It is the students’ responsibility to verify where and to whom they report before the start of each course no later than the Friday before the start of the rotation.

**Tampa Instructions**

Students in the **SELECT** (LVHN) program who rotate at one of the Tampa campus sites must contact Courtney Johns at cjohns2@health.usf.edu 8 weeks before the start of the Tampa elective (with the following information) to ensure that all appropriate hospital credentials are in place.

- Name of elective
- Site of elective
- Dates of elective

**LVHN Instructions**

Students in the **Core** (Tampa) program who rotate at one of the LVHN campus sites should do the following:

- For housing requests, visit https://secure.jotformpro.com/form/40904101972953.
- Provide a copy (front and back) of their personal health insurance card to medicalstudents@lvhn.org.
- Complete student orientation requirements at https://www.lvhn.org/research_and_education/new_student_requirements.
- Choose the option for Lehigh Valley Hospital-17th Street, Cedar Crest and Muhlenberg

- Complete everything on this site, including the CRIMINAL CLEARANCES

**Drop/Add open ??/??/18 - 01/31/20**

1. Drop/add requests must be submitted at least one month in advance of the rotation.
   - Click on your “detailed student record”
   - Click Related Actions
   - Click Submit Drop Add Request
   - Select your track
   - Scroll down to view your Eligible Courses to Drop. Click the plus sign (+) to the left of the course. If you make a mistake, you can click the red (x) to the right of the course.
   - Select the Period.
   - Begin typing the desired course in the Course field
   - (Optional) Select a Site
   - Find your course and click the plus sign (+) to the left
   - Click Submit
3. To view your completed requests in Archivum
   - Click Academic Profile
   - Click your “detailed student record”
   - Click 4th Year Scheduling
   - Scroll down to view and click the magnifying glass for more information on individual requests.
   - Throughout the process, you will see a task bar letting you know what step you are on.
4. Even though you have submitted a request, it is not approved until you receive an email from the Office of Registrar. Your schedule will not be changed until then. Your advisor and the course coordinator must both approve your request, then I will review your schedule and make changes as appropriate. Please make sure to review the requirements for the fourth year (Graduation and Track Requirements) to make sure your new schedule will be in compliance. When reviewing drop/add requests, I will take your entire schedule into consideration. For example, you will not be permitted to drop a required course unless you have submitted a request to add it in a different period. You may also view the Fourth Year Academic Calendar to determine the dates for each period.

Drop/add closes 01/31/19.
5. **Electives Open/Closed Report** - Please refer to this report when looking for courses that might have availability. This report will be updated on a weekly basis and does not reflect any pending requests still in the system. This report is meant to serve as a guideline.

**Electives_OpenClosed_Report 11.16.18.pdf**

**Instructions for Reading Report**

Please note: **Changes are not automatic**. There are three levels of approval (coordinator, advisor, registrar). Requests are typically processed within a 2-3 day window, but may be a little longer at the beginning of the year when many students make changes.

The Electives Open/Closed Report lists each elective in each period, how many slots are offered, and how many have already been taken. For example:

<table>
<thead>
<tr>
<th>Period</th>
<th>Prefix</th>
<th>Numb</th>
<th>Title</th>
<th>Site</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
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</thead>
<tbody>
<tr>
<td>4 WEEK PERIOD</td>
<td>MEL</td>
<td>xxxx</td>
<td>Elective Y</td>
<td>USFMS</td>
<td>8</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td>0</td>
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</tbody>
</table>

Elective Y is offered in periods 1, 5, 6, 9, 10, and 11. (Period 12 is an extra month for remediation purposes.) There are a total of 8 slots available in each of those periods. 3 students are enrolled in period 1, so there are 5 slots available. Period 10 is full.

For courses offered as a two-week rotation, the total number of spots in one period cannot exceed the number of slots. For example:

<table>
<thead>
<tr>
<th>Period</th>
<th>Prefix</th>
<th>Numb</th>
<th>Title</th>
<th>Site</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 WEEK PERIOD A</td>
<td>MEL</td>
<td>xxxx</td>
<td>Elective Z</td>
<td>TGH</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td>0</td>
</tr>
<tr>
<td>2 WEEK PERIOD B</td>
<td>MEL</td>
<td>xxxx</td>
<td>Elective Z</td>
<td>TGH</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td>0</td>
</tr>
<tr>
<td>4 WEEK PERIOD</td>
<td>MEL</td>
<td>xxxx</td>
<td>Elective Z</td>
<td>TGH</td>
<td>2</td>
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</tr>
</tbody>
</table>

Period A is the first half of the period, and Period B is the second half. In Period 5, the enrollment adds up to 2 people for the four weeks, one four week person, one two week person in A, and one two week person in B. For this course, there cannot be more than 2 students enrolled at any one time. Based on the report, in period 10, either one more student could register for the full four weeks, or one more student could be in both Period A and Period B.

Special instructions for **Pediatrics** electives in Tampa:

- Any request to Drop/Add a Pediatric elective rotation must be FINALIZED AND COMMUNICATED TO THE ROTATION SITE no later than 1 month (30 days) prior to the start date of the rotation.
- Therefore, a student MUST submit these requests at least 45 DAYS prior to the start date of the rotation.
- In the event of extenuating circumstances where a student must drop a course after the designated drop period, the drop form requires the signature (non-electronic) of the Director of Pediatric Electives/Pediatric Track or his designee. He/she should meet with the director to request this and discuss the reasons for doing so.

**Course Key**

See **Course Key** for a definition of sites.

**Calendar**
<table>
<thead>
<tr>
<th>Dept</th>
<th>Division</th>
<th>Course</th>
<th>Site</th>
<th>Periods</th>
<th>Pre-req</th>
<th>Max Enroll</th>
<th>Min Enroll</th>
<th>Hours/Wk</th>
<th>Weeks</th>
<th>Faculty</th>
<th>Type</th>
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<tbody>
<tr>
<td>Anat</td>
<td></td>
<td>BMS 8187</td>
<td>USFMS</td>
<td>1, 3-11</td>
<td>None</td>
<td>No Limit</td>
<td>0</td>
<td>44</td>
<td>2,4</td>
<td>Bharadwaj, Srinivas</td>
<td>Basic Science</td>
</tr>
</tbody>
</table>

- **Description:**
  Advanced anatomy is an elective course designed to provide prospective students with an opportunity to review anatomical knowledge and concepts. The course aims to provide an in-depth study of anatomy as it relates to surgical and other clinically relevant disciplines.

- **Objectives:**
  1. Perform an in-depth study of anatomy as it relates to surgical and other clinically relevant disciplines.
  2. List the major pathologic processes that has a distinct gross anatomic correlate.
  3. Outline the anatomic basis of procedures and associated complications.

**Contact:**
Dr. Srinivas Bharadwaj  
snagaraj@health.usf.edu

**Report to:**
Contact Dr. Bharadwaj at snagaraj@health.usf.edu or Gross Anatomy Lab Monday 10:00 AM - 12:00 PM
4. Understand the structural organization of the human body to the interpretation of disease processes.
5. Develop experience and demonstrate competence in dissection/prosection techniques.
6. Develop in-depth understanding of three-dimensional presentations of anatomy through prosection.
7. Develop the ability to work independently and responsibly, and interact with peers and faculty.
8. Self-assess and communicate to peers and faculty their understanding of Anatomy.
9. Engage in teaching through interactive laboratory settings.

Rotation Activities:

Patient Encounters:

Evaluation is based on completion of the assignments. Please see the syllabus.

Syllabus:

Elective Syllabus 18-19 Anatomy.pdf

Visiting Students:

Special Instructions: SonoSim modules can be completed online.

<table>
<thead>
<tr>
<th>Anat</th>
<th>MDE 8521</th>
<th>USFMS</th>
<th>1, 3 - 11</th>
<th>None</th>
<th>No Limit</th>
<th>6</th>
<th>40</th>
<th>2</th>
<th>Bharadwaj, Srinivas</th>
<th>Basic Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Head and Neck Anatomy</td>
<td>Click here for additional course information</td>
<td>Contact</td>
<td><a href="mailto:snagaraj@health.usf.edu">snagaraj@health.usf.edu</a></td>
<td>Report to Dr. Bharadwaj at <a href="mailto:snagaraj@health.usf.edu">snagaraj@health.usf.edu</a> or Gross Anatomy Lab Monday 10:00 AM - 12:00 PM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Applied Head and Neck Anatomy is an elective course designed to provide prospective students with an opportunity to learn applied head and neck anatomy. The course is intended to enhance understanding of the anatomical basis of diseases that pertain to surgical as well as non-surgical fields.

**Objectives:**

1. Perform an in-depth study of anatomy as it relates to surgical and other clinically relevant disciplines.
2. List the major pathologic processes that have a distinct gross anatomic correlate.
3. Outline the anatomic basis of procedures and associated complications.
4. Understand the structural organization of the human body to the interpretation of disease.
5. Develop experience and demonstrate competence in dissection/prosection techniques.
6. Develop in depth understanding of three-dimensional presentations of anatomy through.
7. Develop the ability to work independently and responsibly, and interact with peers and faculty.
8. Self-assess and communicate to peers and faculty their understanding of Anatomy.
9. Engage in teaching through interactive laboratory settings.

**Rotation Activities:**

**Patient Encounters:**

**Evaluation:**

Evaluation is based on completion of the assignments. Please see the syllabus.

**Syllabus:**

Elective Syllabus MDE 8521.pdf

**Visiting Students:**

No

**Special Instructions:**

SonoSim modules can be completed online.

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**Anat MDE 8522 Applied Anat of the MSK System**

USFMS 1, 3 - 11 None No Limit 6 40 2 Bharadwaj, Srinivas Basic Science

Contact: Srinivas Bharadwaj

snagaraj@health.usf.edu
Report to: Dr. Bharadwaj at snagaraj@health.usf.edu or Gross Anatomy Lab, Monday 10:00 AM - 12:00 PM

Applied Anatomy of Musculoskeletal System is an elective course designed to provide prospective students with an in-depth study of anatomy as it relates to surgical and other clinically relevant disciplines. The course aims to:

1. Perform an in-depth study of anatomy as it relates to surgical and other clinically relevant disciplines
2. List the major pathologic processes that have a distinct gross anatomic correlate
3. Outline the anatomic basis of procedures and associated complications
4. Understand the structural organization of the human body to aid in the interpretation of disease processes
5. Develop experience and demonstrate competence in dissection/prosection techniques
6. Develop in depth understanding of three-dimensional presentations of anatomy through various teaching tools
7. Develop the ability to work independently and responsibly, and interact with peers and faculty in a professional manner
8. Self-assess and communicate to peers and faculty their understanding of Anatomy
9. Engage in teaching through interactive laboratory settings.

Rotation Activities:

Patient Encounters:

Evaluation is based on completion of the assignments. Please see the syllabus.

Syllabus:

Visiting Students:

Special Instructions: SonoSim modules can be completed online.
Description:
The course is directed towards medical students who plan to enter Anesthesiology, Critical Care Medicine, or Emergency Medicine. Students will learn the fundamentals of airway management, respiratory physiology, cardiovascular physiology, perioperative management, and invasive procedures.

Objectives:
The primary objective of this course is to introduce the student(s) to the practical/hands on approach to anesthesiology. Students are expected to perform procedures on patients. Excellent hand-eye coordination is a must for this course, since students are expected to perform procedures on patients.

Rotation Activities:
Medical students are expected to make preoperative rounds with the anesthesiology staff on patients scheduled for surgery. They will follow their patients throughout the anesthetic care into the postoperative recovery for continuity of care.

Patient Encounters:
Preoperative / Intraoperative Patients - Multiple

Evaluation:
Oral, practical, and/or written evaluations of medical students will include clinical performance, medical knowledge, professionalism, motivation, and ability to problem solve.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

Contact:
LVHN
Click here for additional course information

Contact:
Nan.Schwann@lvhn.org
(484) 866-9581
Report to: Anesthesia work room

Contact:
LaCetta.Carroll@moffitt.org
(813) 745-1674

Evans, Raymond
Clinical
Dr. Raymond Evans  
Raymond.Evans@moffitt.org

Report to: Second Floor MCB Anesthesia Department  
12902 Magnolia Dr., Tampa, FL 33612

Description: The course is directed towards medical students who plan to enter Anesthesiology, Critical Care Medicine, or Emergency Medicine. Excellent hand-eye coordination is a must for this course, since students are expected to perform procedures on patients.

Objectives: The primary objective of this course is to introduce the student(s) to the practical/hands on aspects of anesthesiology. The course content includes airway management, respiratory physiology, cardiovascular physiology, perioperative management, and invasive procedures.

Rotation Activities: Medical students are expected to make preoperative rounds with the anesthesia staff on patients scheduled for surgery. Students will follow their patients throughout the anesthetic care into the postoperative recovery for continuity of care.

Patient Encounters: A variety of patients will be seen in the course, providing a broad exposure to the various aspects of anesthesia.

Evaluation: Oral, practical, and/or written evaluations of medical students will include clinical performance, medical knowledge, professionalism, motivation, and ability to problem solve.

Syllabus: 

Visiting Students: No

Special Instructions: N/A

Anesth MDE 8700 Anesthesiology Elective  
T-VAH 1 - 11 Yr 4 Status 1 0 50 4 Lee, Leland Clinical

Contact: Dr. Leland Lee  
Leland.Lee@va.gov  
(813) 972-2000, ext. 5157  
(813) 610-9258 (cell phone)

Report to: James A. Haley VA Medical Center  
Room 2C-211 (second floor)  
Monday at 8:00 AM (except for holidays)
**Description:**
The course is directed towards medical students who plan to enter Anesthesiology, Critical Care Medicine, or Emergency Medicine. Excellent hand-eye coordination is a must for this course, since students are expected to perform procedures on patients.

**Objectives:**
The primary objective of this course is to introduce the student(s) to the practical/hands on approach to anesthesiology. The objectives include airway management, respiratory physiology, cardiovascular physiology, perioperative management, and invasive procedures.

**Rotation Activities:**
Medical students are expected to make preoperative rounds with the anesthesiology staff on patients scheduled for surgery. They will follow their patients throughout the anesthetic care into the postoperative recovery for continuity of care.

**Patient Encounters:**
The patient case types will depend on the medical specialty the extern plans to enter.

**Evaluation:**
Practical, and/or written evaluations of the medical students will include clinical performance, medical knowledge, professionalism, motivation, and ability to problem solve.

**Syllabus:**

**Visiting Students:**
No

**Special Instructions:**
N/A

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### Anesth

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Code Description</th>
<th>Year</th>
<th>Status</th>
<th>Limit</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>MEL 7320Z</td>
<td>Externship - Anesthesiology</td>
<td>Yr 1 - 4</td>
<td>No Limit</td>
<td>44</td>
<td>Klein, Malcolm</td>
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</table>

### Card

<table>
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<tr>
<th>Course Code</th>
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<th>Year</th>
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<th>Limit</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MDE 8224</td>
<td>Consultative Cardiology</td>
<td>Yr 1 - 4</td>
<td>2</td>
<td>44</td>
<td>2,4 Jacobs, Larry</td>
</tr>
</tbody>
</table>

**Contact:**
Kelly Frenziz
(610) 402-3212

Report to: Cardiology Cath Lab office on 3C at Cedar Crest

Call the Cardiology Fellow on Cardiology Teaching Service at (610) 402-2044 on first day of rotation.

**Description:**
This elective offers an opportunity to develop skills in the evaluation of patients referred for cardiology teaching service including primary cardiology patients and cardiac consults on the cardiology step down unit.

**Objectives:**
1. Demonstrate the knowledge and skills necessary to obtain a proper cardiac history. The student will pay special attention to and record medications, medication compliance, diet compliance, and risk factors for various cardiac diseases.
2. Demonstrate proficiency in proper bedside physical examination
3. Be able to accurately assess the presence or absence of congestive heart failure, cardiac t.
4. Demonstrate basic electrocardiographic skills including an understanding of basic arrhythm.
5. Infer heart size, presence of cephalization, infiltrate, pleural effusions, and pneumothorax L
6. Identify medical, interventional, and surgical therapies for basic cardiac syndromes such a
7. Name and utilize a variety of clinical pathways and practice guidelines
8. Access and critically evaluate current medical information and scientific evidence
9. Use information technology or other available methodologies to access and manage inform
10. Explain the principles of primary, secondary prevention and risk modification
11. Summarize the indications and diagnostic yield of various cardiac studies and therapeuti.

**Rotation Activities:**
Students will participate in the evaluation of patients and will assist with the integration of the
Students will participate in daily teaching rounds with intern, medical resident, cardiology fel.
Attendance at various other weekly Cardiology Department teaching conferences is required.

**Patient Encounters:**

**Evaluation** will be performed using the USF 4th year medical student evaluation form.

**Syllabus:**

**Visiting Students:**
Lehigh Valley Network on VSAS.

**Special Instructions:**

| Card MDE 8224 Consultative Cardiology | TGH 1 - 11 Adult Med, Pri Care 2 0 44 2,4 Labovitz, Arthur Clinical |
Contact: Twyla Sumpter
tsumpter@health.usf.edu

Report to: Contact Twyla Sumpter at least one week prior to the start of the rotation to determine your Cardiology Consultative elective rotation is an experiential patient based rotation with integrated didactics... Team science will be a coincidently experienced and learned.

At the completion of the rotation it shall be expected that a face to face “360” between learner and teacher(s) will be expected that a face to face “360” between learner and teacher(s) will be expected that a face to face “360” between learner and teacher(s) will be expected... goals and objectives have been realized and deficiencies identified, so that future learner plans may be derived.

Objectives: Learners shall:
1. Understand the question(s) framed from the originators of the consultative request and the answers to be provided for best outcomes of multidisciplinary care
2. Develop and perform the focused cardiovascular interview question(s) and review of cardiovascular systems that are relevant to the consultative request
3. Practice and refine the 5-point cardiovascular exam physical findings- general physical findings, interpretation of heart sounds, abnormalities of heart sounds, and distinctions of heart murmurs associated with valvular heart disease
4. Integrate the history and physical exam into efficient, appropriate, and cost effective test ordering for new diagnosis and ongoing management of prior or contemporarily defined cardiovascular problems
5. Interpret, with supervision, the objective testing performed including ECG, imaging modalities...
6. Provide differential diagnosis and understand the classification of disease states that pertains
7. Recognition and interpretation of ECG rhythms (heart blocks, tachyarrhythmias) and appropriate use of telemetry will be performed
8. Participate in an environment of inquiry (including psychological safety) for the development of research questions and projects that may provide for future professional training and research endeavors in cardiovascular diseases
9. Develop the communication and cooperation skills for collaborative care with the requesting service and other sub-specialty services (Critical Care Medicine, Infectious Diseases, etc.)
10. Recognize the need for ongoing management of patients with multiple co-morbidities and the timeliness of continuity of care and/or withdrawal from the care path of individual patients.

Rotation Activities: Students will perform all cardiology patient care activities as associated with the consultative service and the tuition of the fellows.

Patient Encounters: Evaluation:
The faculty will make performance evaluations from data derived from clinical discussions and didactic presentations by the student.

Syllabus:
Visiting Students:
No
Special Instructions:
N/A

Card | MDE 8224 Consultative | T-VAH | Adult Med, Pri Care | 2 | 0 | 44 | 2,4 | Leonelli, Fabio | Clinical
Description: The Cardiology Consultative elective rotation is an experiential patient based rotation with integrative didactics that provide comprehensive knowledge that is relevant to concurrent patient management. Team science will be a coincidently experienced and learned.

At the completion of the rotation it shall be expected that a face to face “360” between learner and teacher(s) will be expected. This face to face “360” shall review the goals and objectives that have been realized and deficiencies identified, so that future learner plans may be derived.

Objectives: Learners shall:

1. Understand the question(s) framed from the originators of the consultative request and the answers to be provided for best outcomes of multidisciplinary care
2. Develop and perform the focused cardiovascular interview question(s) and review of cardiovascular systems that are relevant to the consultative request
3. Practice and refine the 5-point cardiovascular exam physical findings - general physical findings, interpretation of heart sounds, abnormalities of heart sounds, and distinguishment of heart murmurs associated with valvular heart disease
4. Integrate the history and physical exam into efficient, appropriate, and cost effective test ordering for new diagnosis and ongoing management of prior or contemporarily defined cardiovascular problems
5. Interpret, with supervision, the objective testing performed including ECG, imaging modalities, echocardiography, nuclear scanning, and invasive testing including cardiac catheterization with associated hemodynamic and angiographic findings
6. Provide differential diagnosis and understand the classification of disease states that pertain to the major burden of disease and therapies to be applied including pharmacologic, interventional, and surgical solutions for best patient outcomes
7. Recognition and interpretation of ECG rhythms (heart blocks, tachyarrhythmias) and appropriate use of telemetry will be performed by the learner and provide for collaboration with advanced electrophysiologic services
8. Participate in an environment of inquiry (including psychological safety) for the development of research questions and projects that may provide for future professional training and research endeavors in cardiovascular diseases
9. Develop the communication and cooperation skills for collaborative care with the requesting service and other sub-specialty services (Critical Care Medicine, Infectious Diseases, etc.)
10. Recognize the need for ongoing management of patients with multiple co-morbidities and the timeliness of continuity of care and/or withdrawal from the care path of individual patients.

Rotation Activities: Students will perform all cardiology patient care activities as associated with the consultative service under the tutelage of the fellows.

Patient Encounters:

Evaluation: The faculty will make performance evaluations from data derived from clinical discussions and didactic presentations by the student.

Syllabus:

Visiting Students: No
Contact: Kelly Frenzi
(610) 402-3212

Report to: Cardiac Intensive Care Unit on 3B in Cedar Crest. Call cardiology fellow in the unit at (610) 402-6590 on arrival.

Description:
The students will participate in the evaluation of patients and will assist with the integration of the general medical staff and teaching cardiologist. Attendance at various other weekly Cardiology Department teaching conferences is required.

Objectives:
1. Demonstrate the knowledge and skills necessary to obtain a proper cardiac history. The student will pay special attention to and record medications, medication compliance, diet compliance, and risk factors for various cardiac diseases.
2. Demonstrate proficiency in proper bedside physical examination.
3. Be able to accurately assess the presence or absence of congestive heart failure, cardiac tamponade, basic murmurs of mitral stenosis and regurgitation, and the presence or absence of peripheral vascular disease and abdominal aortic aneurysms.
4. Demonstrate basic electrocardiographic skills including an understanding of basic arrhythmias such as atrial fibrillation, ventricular tachycardia, and left bundle branch block, left ventricular hypertrophy, acute myocardial infarction, ischemia, WPW, and hyperkalemia.
5. Infer heart size, presence of cephalization, infiltrate, pleural effusions, and pneumothorax by looking at a chest X-ray.
6. Identify medical, interventional, and surgical therapies for basic cardiac syndromes such as myocardial infarction, unstable angina, chronic angina, congestive heart failure, valvular heart disease, hypertension, hyperlipidemia, and arrhythmias.
7. Name and utilize a variety of clinical pathways and practice guidelines.
8. Access and critically evaluate current medical information and scientific evidence.
9. Use information technology or other available methodologies to access and manage information.
10. Explain the principles of primary, secondary prevention and risk modification.
11. Summarize the indications and diagnostic yield of various cardiac studies and therapeutics.

Rotation Activities:
The students will participate in the evaluation of patients and will assist with the integration of the general medical and teaching cardiologist. Attendance at various other weekly Cardiology Department teaching conferences is required.

Patient Encounters:
The attending physician will complete a written USF 4th year rotation evaluation.
Syllabus:

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
N/A

Contact:
Kandi Smith
ksmith3@health.usf.edu
(813) 974-3070

Report to:
Morsani Center for Advanced Healthcare
13330 USF Laurel Drive
Tampa, FL 33612
Dermatology, 6th Floor

Description:
Upon completion of this elective, the student will be able to conduct a full dermatologic examination and will be able to interact with the Dermatology residents. Periods 2, 3 and 4 are reserved for students applying to dermatology residency programs.

Objectives:
1. Accurately describe primary and secondary dermatologic lesions as well as patterns of distribution.
2. Conduct a total body skin exam and detect suspicious and abnormal findings.
3. Identify the most common inflammatory skin diseases.
4. Identify the major types of skin cancers.
5. Recognize skin manifestations of internal disease.
6. Perform shave and punch biopsies.
7. Understand the concepts of skin patch testing.
8. Understand the appropriate management for common dermatologic disorders including neoplasms.
Rotation Activities:

The students will rotate through the following clinics in dermatology:

- General dermatology clinics at Morsani Center, VA, 17 Davis
- Pigmented lesion clinics at Moffitt Cancer Center
- Cutaneous T-Cell Lymphoma clinic at Moffitt Cancer Center
- High Risk Solid-Organ Transplant Dermatology Clinic at TGH
- Mohs/surgical dermatology at Morsani Center
- Inpatient consult service at Tampa General Hospital

Additionally, the students will be provided didactics on the fundamentals of dermatology and be involved in a hands-on program, so they will learn basic dermatologic procedures including shave biopsies, scallop biopsies, punch biopsies, surgical excisions.

Patient Encounters:

- Evaluation: Case Presentation to be made at a morning Resident Conference. Student progress and performance in the clinical setting will be evaluated by the faculty and residents.

Syllabus:

Handbook with general information about clinic duties and expectations (i.e., dress code, core competencies) will be provided, and the syllabus is also described in the handbook, along with references for textbooks, online, and other pertinent dermatology information.

Visiting Students:

Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

N/A

<table>
<thead>
<tr>
<th>Derm</th>
<th>MDE 8536 Elective in Dermatopathology</th>
<th>USFMS 8 - 11 Yr 4 Status 2 0 40-44 4</th>
<th>Rodriguez-Waitkus, Paul</th>
</tr>
</thead>
</table>

Contact:

Kandi Smith
ksmith3@health.usf.edu
(813) 974-3070

Report To:

Paul Rodriguez-Waitkus, MD, PhD
Director, Dermatopathology Lab, 4th Floor
Description: This course is designed for students interested in expanding their knowledge of dermatopathology.

Objectives:
1. Understand how to accurately describe and identify primary and secondary dermatologic lesions by microscopic examination.
2. Learn to identify the most common inflammatory skin diseases by microscopic examination.
3. Ascertain how to identify the major types of skin cancers by microscopic examination.
4. Participate in research by co-authoring a case report, meeting abstract or assisting with a portion of a larger departmental research project with a resident or faculty member, if one is available during the rotation.

Rotation Activities:
- Attend dermatopathology conferences twice a week.
- Invited to attend the “Dermatopathology Consensus Meeting” with all dermatopathologists from USF, MCC & VA Medical Center to review and discuss unusual, challenging cases, in order to gain different perspectives to confirm a diagnosis.

Patient Encounters: The student will be evaluated by the faculty & residents in dermatopathology.

Syllabus:

Visiting Students: Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: N/A

| Derm | MDT 8250 Special Topics in Dermatology | USFMS 1 - 12 | None, Yr 3 only | 1 | 0 | 40 | 2 | Patel, Nishit |

Contact: Kandi Smith
ksmith3@health.usf.edu
Description: This course allows third year students to gain exposure to various topics in Dermatology by special arrangement with the Dermatology department director, Dr. Nishit Patel.

Objectives:

1. Gain general understanding of the variety of diseases managed by dermatologists
2. Gain general understanding of the variety of procedures performed by dermatologists
3. Accurately describe primary and secondary dermatologic lesions as well as patterns of distribution.
4. Identify the most common inflammatory skin diseases.
5. Identify the major types of skin cancers.

Rotation Activities:
The students will be assigned a mix of clinical experiences from the list below:

- General dermatology clinics at Morsani Center, VA, 17 Davis
- Pigmented lesion clinics at Moffitt Cancer Center
- Cutaneous T-Cell Lymphoma clinic at Moffitt Cancer Center
- High Risk Solid-Organ Transplant Dermatology Clinic at TGH
- Mohs/surgical dermatology at Morsani Center

The student will attend various weekly conferences with the Dermatology residents.

Patient Encounters:

Evaluation: Student progress and performance in the clinical setting will be evaluated by the faculty and residents.

Syllabus:

Handbook with general information about clinic duties and expectations (i.e., dress code, conduct, etc.) will be provided. This handbook, along with references for textbooks, online and other pertinent dermatology information.

Visiting Students:

Special Instructions: N/A
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<tr>
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<td>Externship in Dermatology</td>
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<td>Derm</td>
<td>MEL 9999L</td>
<td>Indep Study in Dermatology</td>
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<td>Emerg Med</td>
<td>MDR 8710</td>
<td>Research in Emergency Medicine</td>
<td>TGH</td>
<td>None</td>
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<td>0</td>
<td>Wilson, Jason</td>
<td>Research</td>
</tr>
</tbody>
</table>

**Contact:** Dr. Jason Wilson  
**tampaerdoc@gmail.com**

**Report to:** Dr. Jason Wilson

**Description:** Students participating in the elective should be interested in pursuing a career in emergency medicine.

**Objectives:**
1. Obtain human subjects research certification and understand the principles and history of research.
2. Understand the administrative infrastructure necessary to operationalize emergency medicine research.
3. Develop the ability to design and evaluate testable scientific hypotheses for clinical research.
5. Become familiar with study protocols, FDA regulations for clinical research, patient consent process.

**Rotation Activities:**
1. Obtain CITI certification
2. Attend Hospital Research Meetings
3. Attend EM Grand Rounds
4. Liaison with Research Assistant clinical Team

5. Develop scholarly project in conjunction with Research Director

Patient Encounters:

The student will be assessed during this rotation in four ways.

1. 25% participation at assigned meetings and research shifts

2. 25% observations of student motivation/achievement/abilities during patient and staff interactions

3. 25% participation and completion of Journal Club assignment (3 articles each with journal club worksheet)

4. 25% online, open-notes/open-resource quiz on the foundations of EBM

Syllabus:

Visiting Students:

No

Special Instructions:

Any interested student should contact Dr. Wilson to plan the elective. This should be done at least 3 months prior to the start of the elective.
Rotation Activities:

This introduction to Emergency Medicine integrates clinical skills and evidence-based medicine through didactic lectures, performance of simulated skills sessions ranging from suturing, central lines, lumbar puncture, and intubations.

Patient Encounters:

Evaluation:

The student’s grade is primarily based on daily attending evaluations but will incorporate quality case presentations, clinical skills evaluation, required attendance at emergency medicine conferences, and written testing.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

Emerg Med

MEL 8347 AI in Emergency Medicine

LVHN

1-8

Yr 4 Status

2

0

40-44

4

Worrilow, Charles

Clinical

Contact:

Dawn Yenser

Dawn.Yenser@lvhn.org

(484) 884-2489

LVHM 5th Fl South Building

Report to:

Will be provided one week prior to the start of the rotation.

Description:

This acting internship integrates clinical skills and evidence-based medicine through didactic lectures, performance of simulated skills sessions ranging from suturing, central lines, lumbar puncture, and intubations.

Objectives:

This rotation will enrich students’ knowledge, help them develop history-taking ability, physical skill assessment, clinical decision making, and patient care. It also helps students to develop a caring, compassionate and empathetic attitude in dealing with patients and their families.

Rotation Activities:

Suture lab, splint lab, journal club, EBM lecture, ultrasound didactic and hands-on, trauma simulation, critical care simulation, grand rounds, EMS ride-along, autopsy, spend a day with a nurse (procedures) and toxicology lectures.

Patient Encounters:

Evaluation:

Students will be graded based on clinical evaluations from their preceptors. Additionally, students will be required to take a series of online open book quizzes.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A
Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:
N/A

Emerg Med
MEL 8347
AI in Emergency Medicine
Click here for additional course information

Contact:
Dr. Andrew Thomas
Andrew_Thomas@teamhealth.com
AThomasEM@gmail.com
(407) 529-9061

Report to:
Emergency Department, second floor of TGH
First Monday of the rotation (unless otherwise instructed due to holiday)
Time and exact location will be sent via email several days before start of rotation

Description:
This acting internship integrates clinical skills and evidence-based medicine through didactic lectures, performance of available procedures including but not limited to laceration repair, incision & drainage, endotracheal intubation, ultrasound, central line placement, and other procedures deemed appropriate. Students will participate in the following activities:

1. Attendance & participation at weekly grand rounds (Wednesdays 0700-1200)
2. Obtain history and perform physical evaluation of patients in the emergency department
3. Presentation of patient cases to attending physicians and/or senior residents, including differential diagnosis and management plans
4. Performance of available procedures including but not limited to laceration repair, incision & drainage, endotracheal intubation, ultrasound, central line placement, and other procedures deemed appropriate
5. Gain experience with ED point-of-care ultrasound
6. Additional events such as disaster drills or special conference events may occur

Patient Encounters:
There are not required quotas for the number and types of patients seen, however it is expected...
Evaluation:

Grades are based on daily attending evaluations and attendance at emergency medicine conferences. There is an end of rotation presentation of an interesting case in the form of a 15-minute presentation during a round meeting and this is also used for grading purposes.

Syllabus:

Will be provided in orientation email

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

N/A

Description:

The Neighborhood Health Centers of the Lehigh Valley (NHCLV) is a Federally Qualified Community Health Center (FQHC) serving the Lehigh Valley, Pennsylvania. NHCLV is a community health center that provides comprehensive primary care services to patients of all ages, including women, children, and seniors.

Objectives:

1. Develop empathy and deeper understanding by developing relationships with patients and hearing their stories.
2. Identify social determinants of health across the lifespan that contribute to opiate use disorder.
3. Walk with patients and describe how healthcare systems designed to help sometimes do harm.
4. Develop skills in health coaching for self-management of complex health issues using motivational interviewing techniques.
5. Describe the roles in interdisciplinary teams and progression to transforming patients engaged in program.
6. Understand treatment options for patients with opiate use disorders, including community-based and community-building programs.

Contact:

Crystal Walker
One City Center
707 Hamilton Street
Allentown, PA 18101

Crystal.Walker@lvhn.org

(484) 862-3066

Report to:

Will be provided one week prior to the start of the rotation

Family Med

MDE 8104
Complex Care in the Community

LVHN 1,3,5,7, 9,11

Yr 4 Status 2 0 40 4

Lecher, Abby

Clinical
7. Describe the health policy implications of learnings from personal experiences including service delivery redesign, payment reform, and outcomes at local, state and federal levels.

8. Reflect on implications for relationship centered care in student's vision of personal practice.

Rotation Activities:

Students will participate in daily team rounds, initial assessments, primary care and medication assist treatment, and patient care organizing. Each student will identify individual learning goals and present either a topic or project to the team.

Patient Encounters:

Students will work in close contact with the interdisciplinary team and participate in daily huddles.

Syllabus:

Visiting Students:

Lehigh Valley Network on VSAS.

Special Instructions:

Any interested student must contact Dr. Letcher to plan specific goals and activities for the elective.

Family Med

MEL

7258 Elect in Rural Med or Underserved

LVHN

1 - 11

Yr 4

Status

1

0

40-44

2,4

Brohm, Veronica

Clinical

Contact:

Crystal Walker

One City Center

707 Hamilton Street

Allentown, PA 18101

Crystal.Walker@lvhn.org

(484) 862-3066

Report to:

Will be provided one week prior to the start of the rotation.

Description:

This is a rural/underserved health elective in which a student will be matched with an attending physician in the Family Medicine department. Students will work closely with the interdisciplinary team and participate in daily huddles.

Objectives:

1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations.

Click [here](#) for additional course information.
2. Identify the unique opportunities and challenges to medical practice and life in a rural or underserved community.

3. Introduce/sensitize the student to cross-cultural issues in health care.

4. Understand the mechanisms and indications for consultation and referral in rural or underserved practice settings.

5. Evaluate the business management of rural or underserved practice, including availability of organized funding for patient care, managed care, etc.

Rotation Activities:

1. Arrangements for a specific time commitment will be made through the Department of Family Medicine.

2. The student will accompany the clinic physician Monday through Friday at the designated clinic site, will see patients, and will perform procedures assigned by the preceptor under his/her supervision.

3. At certain locations opportunities are available for additional practice activities within the hospital, emergency department, and in the community.

Patient Encounters:

Evaluations:

The assigned faculty preceptor will provide an individual evaluation addressing the student’s adaptability and understanding as well as knowledge, judgment, and rapport.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A

Contact:

Linda Giordano
lgiordan@health.usf.edu
(813) 974-2445

Victor Cruz
Coordinator of Clinical Training & Enrichment
Gulfcoast North AHEC
vrodriguez@gnaheco.org
Report will be provided prior to the start of the rotation.

Description:
This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved community.

Objectives:
1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations.
2. Identify the unique opportunities and challenges to medical practice and life in a rural or underserved community.
3. Introduce/sensitize the student to cross-cultural issues in health care.
4. Understand the mechanisms and indications for consultation and referral in rural or underserved practice.
5. Evaluate the business management of rural or underserved practice, including availability of organized funding for patient care, managed care, etc.

Rotation Activities:
1. Arrangements for a specific time commitment will be made through the Department of Family Medicine in conjunction with Gulfcoast North AHEC.
2. The student will accompany the physician during the course of the preceptor’s schedule (which may involve a Saturday morning). The student will see patients, and will perform procedures assigned by the preceptor under his/her supervision.
3. At certain locations opportunities are available for additional practice activities within the institution.

Patient Encounters:
Evaluation:
The assigned faculty preceptor will provide an individual evaluation addressing the student’s adaptability and understanding as well as knowledge, judgment, and rapport.

Syllabus:

Visiting Students:
Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
This elective is available to USF students only. The Department of Family Medicine and Gulfcoast North AHEC will make the final arrangements. Availability at all clinic sites is per the preceptor’s approval.

Sites:
Premier Community HealthCare Group (Dade City), Suncoast Community Health Care Centers (Ruskin, Dover, Plant City), DMH 1 - 11, Yr 4, Status 1, 0, 40-44, 2,4, Faculty at DMH, Clinical
Description:
This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved setting. The student will gain an understanding of the health needs, problems, and opportunities in rural or underserved communities.

Objectives:
1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations.
2. Identify the unique opportunities and challenges to medical practice and life in a rural or underserved community.
3. Introduce/sensitize the student to cross-cultural issues in health care.
4. Understand the mechanisms and indications for consultation and referral in rural or underserved practice settings.
5. Evaluate the business management of rural or underserved practice, including availability of organized funding for patient care, managed care, etc.

Rotation Activities:
1. Arrangements for a specific time commitment will be made through the Department of Family Medicine in conjunction with Gulfcoast North AHEC.
2. The student will accompany the physician during the course of the preceptor’s schedule, which may involve a Saturday, evening, or evening hours.
3. At certain locations opportunities are available for additional practice activities within the hospital, emergency department, and in the community.

Patient Encounters:
Evaluation:
The assigned faculty preceptor will provide an individual evaluation addressing the student’s adaptability, understanding, knowledge, judgment, and rapport.

Syllabus:

Visiting Students:
- Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
This elective is available to USF students only. The Department of Family Medicine and Gulfcoast North AHEC will make the final arrangements. Availability at all clinic sites is per the preceptor’s approval.
Family Med MEL 7258 Elect in Rural Med or Underserved

Click here for additional course information

Sites
Premier Community HealthCare Group (Dade City), Suncoast Community Health Care Centers (Ruskin, Dover, Plant City), Pasco County Health Department (New Port Richey, Spring Hill, Holiday), Hernando Health Department (Clermont), Pinellas (Clearwater, Largo, Pinellas Park, St. Petersburg, Tarpon Springs), or Citrus County Health Department (Lecanto)

MEL 7258 Elect in Rural Med or Underserved

SCHC 1 - 11 Yr 4 Status 1 0 40-44 2.4 Faculty at SCHC Clinical

Contact: Giordano

lgiordan@health.usf.edu

(813) 974-2445

Victor Cruz

Coordinator of Clinical Training & Enrichment

Gulfcoast North AHEC

vrodriguez@gnahec.org

(813) 929-1000 ext. 209

Report to: provided prior to the start of the rotation.

Description: This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved area.

Objectives:
1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations.
2. Identify the unique opportunities and challenges to medical practice and life in a rural or urban setting.
3. Introduce/sensitize the student to cross-cultural issues in health care.
4. Understand the mechanisms and indications for consultation and referral in rural or underserved practice settings.
5. Evaluate the business management of rural or underserved practice, including availability of organized funding for patient care, managed care, etc.

Rotation Activities:
1. Arrangements for a specific time commitment will be made through the Department of Family Medicine in conjunction with Gulfcoast North AHEC.
2. The student will accompany the physician during the course of the preceptor's schedule. The student will see patients, perform procedures assigned by the preceptor under his/her supervision.
3. At certain locations opportunities are available for additional practice activities within the hospital, emergency department, and in the community.

Patient Encounters:

Report to: provided prior to the start of the rotation.

Description: This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved area.

Objectives:
1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations.

Patient Encounters:

Report to: provided prior to the start of the rotation.

Description: This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved area.

Objectives:
1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations.
2. Identify the unique opportunities and challenges to medical practice and life in a rural or urban setting.

Patient Encounters:
**Evaluation:**

The assigned faculty preceptor will provide an individual evaluation addressing the student’s adaptability and understanding as well as knowledge, judgment, and rapport.

**Syllabus:**

**Visiting Students:**
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
This elective is available to USF students only. The Department of Family Medicine and Gulfcoast North AHEC will make the final arrangements. Availability at all clinic sites is per the preceptor’s approval.

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<th>MEL 7258 Elect in Rural Med or Underserved</th>
<th>CHCP</th>
<th>1 - 11</th>
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<th>0</th>
<th>40-44</th>
<th>2,4</th>
<th>Faculty at CHCP</th>
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Contact:
Linda Giordano
lgiordan@health.usf.edu
(813) 974-2445

Victor Cruz
Coordinator of Clinical Training & Enrichment
Gulfcoast North AHEC
vrodriguez@gnahec.org
(813) 929-1000 ext. 209

**Description:**
This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved area, leading to a better understanding of providing care to a medically underserved population and the tremendous health needs that exist.

**Objectives:**
1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations.
2. Identify the unique opportunities and challenges to medical practice and life in a rural or underserved area.
3. Introduce/sensitize the student to cross-cultural issues in health care

4. Understand the mechanisms and indications for consultation and referral in rural or underserved practice settings

5. Evaluate the business management of rural or underserved practice, including availability of organized funding for patient care, managed care, etc.

Rotation Activities:

1. Arrangements for a specific time commitment will be made through the Department of Family Medicine in conjunction with Gulfcoast North AHEC.

2. The student will accompany the physician during the course of the preceptor’s schedule (which may involve a Saturday clinic day). The student will see patients, and will perform procedures assigned by the preceptor under his/her supervision.

3. At certain locations opportunities are available for additional practice activities within the IHS.

Patient Encounters:

The assigned faculty preceptor will provide an individual evaluation addressing the student’s adaptability and understanding as well as knowledge, judgment, and rapport.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

This elective is available to USF students only. The Department of Family Medicine and Gulfcoast North AHEC will make the final arrangements. Availability at all clinic sites is per the preceptor’s approval.

Sites:

- Premier Community HealthCare Group (Dade City)
- Suncoast Community HealthCare Centers (Ruskin, Dover, Plant City)
- Pinellas HealthCare Group (Clearwater, Largo, Pinellas Park, St. Petersburg, Tarpon Springs)
- Florida HealthCare Group (Palm Harbor, Tarpon Springs, Dunedin)
- Citrus County Health Department (Lecanto)

Family Med

MEL 7267 Internationa Health Elective

EXT 1 - 9 Yr 4 Status 4 0 45-50 4 Gonzal ez, Eduardo Clinical

Contact:

Eduardo Gonzalez, MD egonzale@health.usf.edu

Report to:

Any interested student MUST meet with Dr. Gonzalez and/or Dr. Callegari prior to selecting this elective. It is important to coordinate having a faculty advisor at LVHN to help with the advising, planning, and evaluation of this elective.

Description:

There are a wide variety of opportunities available for students with an interest in international health care. This elective is designed to provide support for USF students to obtain an international medical experience during their fourth year.

Objectives:

1. Identify the general and specific health care needs of a particular foreign country
2. Identify the role of the primary care physician in international health care

3. Gain additional clinical skills in the provision of primary health care

**Rotation Activities:**

- Foreign travel and provision of medical services
- Academic study abroad (readings and lectures) on the health problems of a particular area
- Preparation and/or presentation of a report on the student’s experience

**Patient Encounters:**

**Evaluation:**

The student’s evaluation will be individualized based on the format of his/her particular elective.

**Syllabus:**

- **Visiting Students:**
  
  - Special Instructions: Emergency medical insurance is required for all electives abroad.

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**Family Med**

**MDI 8120**

**Acting Internship**

**BFMC**

- Yr 4
- Status 1
- 40-50
- 4

**Gonzalez, Eduardo**

**Clinical**

---

**Contact:** Giordano

_IGiordan@health.usf.edu_

_(813) 974-2445_

**Bayfront Medical Center**

**Description:** This elective provides students with a Family Medicine residency experience at the intern level.

**Objectives:**

1. Integrate the student into the hospital teaching service such that the student functions at the level of an intern, managing their own patients under the supervision of a senior resident.

2. Strengthen the student’s ability to develop an initial assessment and plan for patients requiring hospitalization, to communicate effectively with other health care professionals, to participate in rounds and care conferences, to interpret laboratory results, and to effectively manage the patient’s medical problems throughout the hospital admission.

3. Educate the student regarding common medical problems requiring hospital admission, indications for common in-patient procedures, discharge planning, and legal/ethical/cost considerations.
**Rotation Activities:**

The student is expected to function as a Family Medicine intern under the direct supervision of the senior resident and other physicians. The student will manage patients under the supervision of the senior resident, covering inpatient and outpatient duties.

**Patient Encounters:**

- **Evaluation:**
  - Fund of medical knowledge
  - Quality of assessments, plans, and presentations
  - Clinical decision-making skills
  - Attitude, motivation, and rapport with patients and team members

**Syllabus:**

**Visiting Students:**

- No

**Special Instructions:**

Special instructions concerning the course location/preceptor will be made by the Department of Family Medicine.

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**Family Med** | MDI 8120 Acting Internship Family Med | LVHN 1 - 11 | Yr 4 Status | 2 | 0 | 40-50 | 4 | Brohm, Veronica | Clinical

---

**Contact:**

Crystal Walker

One City Center

707 Hamilton Street

Allentown, PA 18101

Crystal.Walker@lvhn.org

(484) 862-3066

Report to: will be provided one week prior to the start of the rotation.

**Description:**

The Acting Internship in Family Medicine rotation provides students the opportunity to work closely with our residents and actively participate in the care of patients, from newborn to geriatrics, while learning about an array of medical illnesses and preventative management.

**Objectives:**

1. Integrate the student into the hospital teaching service such that the student functions at the level of an intern, managing their own patients under the supervision of a senior resident.

---

Click here for additional course information
2. Strengthen the student’s ability to develop an initial assessment and plan for patients requiring hospitalization, in collaboration with the attending physician.

3. Educate the student regarding common medical problems requiring hospital admission, indications for common in-patient procedures, discharge planning, and legal/ethical/cost considerations.

Office-Based

1. Integrate the student into the office setting such that the student functions at the level of an intern, managing their own patients under the supervision of a senior resident or attending physician.

2. Strengthen the student’s ability to take an appropriate history and physical exam with subsequent development of an accurate differential diagnosis and workup.

3. Incorporate anticipatory guidance and health maintenance recommendations into routine office visits.

4. Complete succinct and accurate SOAP notes to be reviewed with your supervising physician.

Rotation Activities:
The student is expected to function as a Family Medicine intern under the direct supervision of the senior resident and attending physician.

Patient Encounters:

Evaluation:

Medical knowledge

- Quality of presentations and clinical decision-making skills

- Attitude, motivation, and rapport with patients and team members

Family Medicine Portfolio completion

Syllabus: provided one week prior to the start of the rotation

Visiting Students:

Special Instructions:

- Any interested student must contact Dr. Brohm to plan the elective. This MUST OCCUR AT LEAST 3 MONTHS PRIOR to the start of the rotation.

Office-based AI:
- No prior approval required. Students will spend each day seeing patients and working closely with the LVHN Family Medicine Acting Interns.

Clinical Skills:

- At least one week will be spent working on Family Medicine service night float.

Contact:

Linda Giordano
lgiordan@health.usf.edu
Description:
This elective provides students with a Family Medicine residency experience at the intern level.

Objectives:
1. Integrate the student into the hospital teaching service such that the student functions at the level of an intern, managing their own patients under the supervision of a senior resident.
2. Strengthen the student's ability to develop an initial assessment and plan for patients requiring hospital admission, in conjunction with the attending physician and the intern team, and to effectively manage the patient's medical problems throughout the hospital admission.
3. Educate the student regarding common medical problems requiring hospital admission, indications for common in-patient procedures, discharge planning, and legal/ethical/cost considerations.

Rotation Activities:
The student is expected to function as a Family Medicine intern under the direct supervision of the senior resident. Activities may include: clinical duties, inpatient admit, inpatient care rounds, attending care rounds, residents' duty, attending rounds, teaching rounds, ward rounds, attending rounds, inpatient consults, reading labs, handling imaging, and doing discharge planning. Overnight call is to be determined by the site of the AI.

Patient Encounters:

Evaluation:
Medical knowledge
Quality of assessments, plans, and presentations
Clinical decision-making skills
Attitude, motivation, and rapport with patients and team members

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions concerning the course location/preceptor will be made by the Department.

<table>
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<tr>
<th>Family Med</th>
<th>MDE 8555 Elective in Sports Medicine</th>
<th>MCAH 5,6</th>
<th>Intro to Derm, Ortho, and Rheum</th>
<th>2</th>
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<th>40-50</th>
<th>4</th>
<th>Coris, Eric</th>
<th>Clinical</th>
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</thead>
</table>

Contact:
Linda Giordano
lgiordan@health.usf.edu
Report to: Assigned site

Description: This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, Clearwater) and may include outpatient, inpatient, and nursing home care, or other activities.

Objectives: This elective will provide students an opportunity to learn sports medicine from a primary care/family medicine and orthopaedic standpoint. The objectives include the assessment and management of acute and chronic musculoskeletal problems in athletes, with an emphasis on the evaluation and assessment of musculoskeletal injuries in athletes as well as non-orthopedic medical problems of the athlete.

Rotation Activities: There will be an opportunity to work with athletic trainers, physical therapists and chiropractors. Students may have the opportunity to work with all teams in the Tampa Bay area. Students will also be expected to present a project in the area of sports medicine.

Patient Encounters: Students will be evaluated based on patient care, knowledge, practice-based learning, communication and professionalism in the field of primary care/sports medicine.

Syllabus: 

Visiting Students:

Special Instructions: Last day to drop/add is end of Period 3, 4.

Interested students must contact the Education Coordinator from the Department of Family Medicine at lgiordan@health.usf.edu prior to enrolling.

Contact: Linda Giordano
lgiordan@health.usf.edu
(813) 974-2445

Syllabus:

Visiting Students:

Special Instructions: Last day to drop/add is end of Period 3, 4.

Interested students must contact the Education Coordinator from the Department of Family Medicine at lgiordan@health.usf.edu prior to enrolling.
Objectives:

1. Introduce the student to the relationship of Family Medicine to the medical community
2. Demonstrate the relationship of ambulatory care to hospital care and the effective utilization of other specialty consultations
3. Improve the student's skills and clinical judgment by a defined and supervised patient care experience
4. Demonstrate the organizational structure of a family medicine residency including office management, medical records, patient education, and preventive medicine
5. Demonstrate the various responsibilities and activities of the Family Medicine Resident

Rotation Objectives:

Patient Encounters:

Evaluation:
- Medical knowledge
  - Quality of assessment and presentation
  - Clinical judgment as indicated by the rationale of diagnostic and management plans
  - Attitude and rapport with patients and families
  - Subjective elements of interpersonal relationships, motivation, and ability

Syllabus:

Visiting Students:

Special Instructions:

Students must check with the Department of Family Medicine before scheduling this elective. A letter of approval will be provided. Contact information can be obtained through the Family Medicine Education Coordinator at 974-2445 or lgiordan@health.usf.edu.

<table>
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<tr>
<td>Contact: Giordano</td>
<td><a href="mailto:lgiordan@health.usf.edu">lgiordan@health.usf.edu</a></td>
<td>(813) 974-2445</td>
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Click here for additional course information.
Description: This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, Clearwater). It may include outpatient, inpatient, and nursing home care, or other activities.

Objectives:
1. Introduce the student to the relationship of Family Medicine to the medical community.
2. Demonstrate the relationship of ambulatory care to hospital care and the effective utilization of other specialty consultations.
3. Improve the student’s skills and clinical judgment by a defined and supervised patient care experience.
4. Demonstrate the organizational structure of a family medicine residency including office management, medical records, patient education, and preventive medicine.
5. Demonstrate the various responsibilities and activities of the Family Medicine Resident.

Rotation Activities:

Patient Encounters:

Evaluation:
- Medical knowledge
- Quality of assessment and presentation
- Clinical judgment as indicated by the rationale of diagnostic and management plans
- Attitude and rapport with patients and families
- Subjective elements of interpersonal relationships, motivation, and ability

Syllabus:

Visiting Students:

Special Instructions:
Students must check with the Department of Family Medicine before scheduling this elective through the Registrar's office. More information can be obtained through the Family Medicine Education Coordinator at 974-2445 or lgiordan@health.usf.edu.

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</table>
Contact: Linda Giordano
lgiordan@health.usf.edu
(813) 974-2445

Assigned site

Description: This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Campus, TMH, Plant Medical Center, Plant Mease Health Care, Clearwater) and may include outpatient, inpatient, and nursing home care, or other activities.

Objectives:

1. Introduce the student to the relationship of Family Medicine to the medical community
2. Demonstrate the relationship of ambulatory care to hospital care and the effective utilization of other specialty consultations
3. Improve the student’s skills and clinical judgment by a defined and supervised patient care experience
4. Demonstrate the organizational structure of a family medicine residency including office management, medical records, patient education, and preventive medicine
5. Demonstrate the various responsibilities and activities of the Family Medicine Resident

Rotation Activities: Included in Objectives

Patient Encounters:

Evaluation: Medical knowledge

Quality of assessment and presentation
Clinical judgment as indicated by the rationale of diagnostic and management plans
Attitude and rapport with patients and families
Subjective elements of interpersonal relationships, motivation, and ability

Syllabus:

Visiting Students:

Special Instructions: Students must check with the Department of Family Medicine before scheduling this elective through the Registrar's Office. Required paperwork will be provided. Contact information can be obtained through the Family Medicine Education Coordinator at 974-2445 or lgiordan@health.usf.edu.
Residency Elect
Click here for additional course information

Contact: Giordano
lgiordan@health.usf.edu
(813) 974-2445

Report to: Assigned site

Description: This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical, St. Petersburg; Plant Mease Health Care, Clearwater) and may include outpatient, inpatient, and nursing home care, or other activities.

Objectives:
1. Introduce the student to the relationship of Family Medicine to the medical community
2. Demonstrate the relationship of ambulatory care to hospital care and the effective utilization of other specialty consultations
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5. Demonstrate the various responsibilities and activities of the Family Medicine Resident

Rotation Activities:

Patient Encounters:

Evaluation of medical knowledge

Quality of assessment and presentation

Clinical judgment as indicated by the rationale of diagnostic and management plans

Attitude and rapport with patients and families

Subjective elements of interpersonal relationships, motivation, and ability

Syllabus:

Visiting Students:

Special Instructions: Students must back with the Department of Family Medicine before scheduling this elective. Contact information can be obtained through the Family Medicine Education Coordinator at 974-2445 or lgiordan@health.usf.edu.
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Special Instructions:

Students must check with the Department of Family Medicine before scheduling this elective through the Registrar's Office. Contact information can be obtained through the Family Medicine Education Coordinator at 974-2445 or lgiordan@health.usf.edu.

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Contact: Linda Giordano
lgiordan@health.usf.edu
(813) 974-2445

Report to: Assigned site

Description:
This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, Pinellas, St. Petersburg, Tampa General, Plant Mease Health Care, Clearwater) and may include outpatient, inpatient, and nursing home care, or other activities.

Objectives:
1. Introduce the student to the relationship of Family Medicine to the medical community
2. Demonstrate the relationship of ambulatory care to hospital care and the effective utilization of other specialty consultations
3. Improve the student's skills and clinical judgment by a defined and supervised patient care experience
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5. Demonstrate the various responsibilities and activities of the Family Medicine Resident

Rotation Activities:

Patient Encounters:

Evaluation:
- Medical knowledge
- Quality of assessment and presentation
- Clinical judgment as indicated by the rationale of diagnostic and management plans
- Attitude and rapport with patients and families
- Active elements of interpersonal relationships, motivation, and ability
Syllabus:

Visiting Students:
Yes.
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Students must check with the Department of Family Medicine before scheduling this elective through the Registrar's office. Residency training will be provided. Contact information can be obtained through the Family Medicine Education Coordinator at 974-2445 or lgiordan@health.usf.edu.

Contact:
Crystal Walker
One City Center
707 Hamilton Street
Allentown, PA 18101
Crystal.Walker@lvhn.org
(484) 862-3066

Report to:
Will be provided one week prior to the start of the rotation.

Description:
During this elective, students will spend each day seeing patients and working closely with the LVHN Family Medicine Residency Elect. This innovative education experience will introduce students to the relationship of Family Medicine and the medical community, demonstrate the relationship of ambulatory care to hospital care and the effective utilization of other specialty consultations, improve students' skills and clinical judgment by a defined and supervised patient care experience, demonstrate the organizational structure of a family medicine residency including office management, medical records, patient education, and preventive medicine, and demonstrate the various responsibilities and activities of the Family Medicine Resident.
Rotation Activities:

The student will have primary responsibility for care of assigned patients while in the clinic and in the hospital. In the clinic, students will see patients under the supervision of attending physicians.

Patient Encounters:

Evaluation:

- Fund of medical knowledge and quality of presentation
- Clinical judgment as indicated by the rationale of diagnostic and management plans
- Attitude and rapport with patients and families
- Subjective elements of interpersonal relationships, motivation, and ability
- Family Medicine Portfolio completion

Syllabus:

Syllabus provided one week prior to the start of the rotation.

Visiting Students:

Visiting Students: Lehigh Valley Network on VSAS.

Special Instructions:

N/A

| Family Med | MEL 8263 Public Sector Medicine | USFMS 1 - 11 | None | 2 | 0 | 44 | 2,4 | Woodard, Laurie | Clinical |

Contact:

Giordano

lgioran@health.usf.edu

(813) 974-2445

Report to:

Provided prior to the start of the rotation.

Description:

This elective is designed to introduce the student to unique characteristics of medical practice in an underserved community. The elective will provide students with a better understanding of providing care to a medically underserved population and the tremendous health needs that exist.

Objectives:

- Provide a learning experience for students who have a demonstrated interest in the health care of the under-served and other community health issues

Students will attend all PSMP clinics and post conferences at Judeo Christian Health Clinic, t.
Patient Encounters:

Evaluation: Students will be evaluated based on clinical skills, self-education/independent learning, understanding and implementing aspects of clinical care, including acknowledging social determinants of health, completing and writing requirements/projects and professionalism.

Syllabus:

Visiting Students: No

Special Instructions: N/A

Click here for additional course information

Contact: Linda Giordano
lgiodan@health.usf.edu
(813) 974-2445

Report to: will be provided prior to the start of the rotation.

Description: The aim of this elective is to reintroduce students to primary care in a Family Medicine clinic. Students will be assigned to work at JCHC, BORC, and BRIDGE Clinic in some rotations and precepting first and/or second year students.

Objectives:

1. Identify and manage problems which present commonly in family medicine, emphasizing the importance of continuing care and follow up.
2. Identify the biological, psychological, and social factors that are relevant in the etiology of patients' problems and integrate these factors in a treatment plan.
3. Improve problem solving skills.
4. Study the role of other health professionals in a patient’s care (consultants, social workers, nurse practitioners, physical therapists, etc.) and the relationship between them and the family physician.
5. Improve skills in patient education and communication.

Rotation Activities:

Included in Objectives

Patient Encounters:

Evaluation: Based on competence, consideration of patients, and practical approach to problems.
**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

Concerning course location/preceptor will be made by the Department of Family Medicine after the student has been assigned to an elective. Students are required to meet with Dr. Gonzalez one month prior to the start of the rotation to discuss this elective.

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<th>Community Faculty</th>
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</table>

**Contact:** Giordano

igiordan@health.usf.edu

(813) 974-2445

Report will be provided prior to the start of the rotation.

**Description:** This elective students will accompany faculty members who are in private clinical practice. This experience will provide students with an opportunity to observe the role of the family physician in the management of a variety of clinical problems. Students will gain experience in the management of the wide range of problems that are present in family practice.

**Objectives:**

1. Identify and manage problems which present commonly in family practice, emphasizing the importance of continuing care and follow up

2. Identify the biological, psychological, and social factors that are relevant to the etiology of patients' problems and integrate these factors in a treatment plan

3. Improve problem-solving skills

4. Study the role of other health professionals in the patient’s health care (consultants, social workers, nurse practitioners, physical therapists, etc.) and the relationship between them and the family physician

**Rotation Activities:**

**Patient Encounters:**

Evaluation of competence, consideration of patients, and practical approach to problems

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**Syllabus:**

**Visiting Students:**

No
# Family Med

<table>
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<tr>
<th>MEL 8272 Women’s Health Elective</th>
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</table>

**Contact:** Giordano  
igiordan@health.usf.edu  
(813) 974-2445

**Special Instructions:**  
Pauline availability, students are required to select and receive permission from.

**Description:** The elective provides students with an opportunity to strengthen their experience in caring for women in a Women’s Center of Excellence.

**Objectives:**

1. Familiarize the student with the practice of gender-specific medicine, women’s preventive health, and obstetrics and gynecology in a Women’s Center of Excellence.
2. Strengthen the student’s ability to take a thorough obstetric/gynecologic and women’s preventive health history and perform routine preventive gynecologic and perinatal exams.
3. Expose the student to common gynecologic/obstetric procedures such as colposcopy, endometrial biopsy, IUD placement/removal, ultrasound, C-section, fetal scalp electrode placement, etc.

**Rotation Activities:**

Take an active role in the assessment and management of patients in the hospital and office settings.

**Patient Encounters:**

**Evaluation:**

- Medical knowledge  
- Quality of assessments, plans, and presentations  
- Clinical decision-making skills  
- Attitude, motivation, and rapport with patients and team members

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

- No  
- Faculty at MPMHC  
- Clinical
Description: This elective provides students an opportunity to create an elective that will provide an experience into the broad clinical opportunities in Family Medicine.

Objectives:
1. Encourage the student to design and complete his or her own ideal elective within the realm of Family Medicine. This can include service learning, research, medical school, MPMHC, Ob/Gyn, community health, family medicine, emergency medicine, and house staff at MPMHC.
2. Provide the student with housing when available
3. Introduce the student to the breadth of Family Medicine
4. Specific objectives to be determined based on elective scheduled

Rotation Activities: The student is expected to design their elective in advance with Family Medicine faculty and to take an active role in the assessment and management of patients.

Patient Encounters:
Evaluation: Medical knowledge
- Quality of assessments, plans, and presentations
- Clinical decision-making skills
- Attitude, motivation, and rapport with patients and team members

Syllabus:

Visiting Students: Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: For elective design assistance please contact Lee Blomberg at (727) 467-2517.
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<td>Lockey, Richard</td>
</tr>
</tbody>
</table>

Contact:

Geeta Gehi, Administrator
ggehi@health.usf.edu

Peggy Hales, Administrator
phales@health.usf.edu

Report to:

Dr. Richard Lockey
rlockey@health.usf.edu

Description:

Allergic and immunologic problems affect up to 20% of adults and children in the United States. Therefore, students need to become knowledgeable about the diagnosis and treatment of these problems, which are important to physicians regardless of their specialty interests. Both children and adults are seen in the clinics.

Objectives:

The objective of the Allergy/Immunology experience is to familiarize the student with the pathogenesis, diagnosis, and treatment of various allergic and immunologic diseases.

Rotation Activities:

The student will primarily be involved in outpatient care at the VA Hospital, Tampa General Hospital, H. Lee Moffitt Cancer Center, and USF College of Medicine. They will also attend scheduled patient conferences on clinical allergy and immunology given by residents, fellows, and faculty from USF College of Medicine.

Patient Encounters:

The student will examine patients with common medical diseases such as allergic rhinoconjunctivitis, chronic rhinitis, urticarial and angioedema, asthma, hypersensitivity pneumonitis, chronic sinusitis, atopic dermatitis, food allergy, and various other immunologic diseases (including HIV infection), eosinophilia, eosinophilic syndromes, and various other immunologic problems.

Evaluation:

Evaluations will be completed by the faculty members who assess the level of clinical competence attained.

Syllabus:

Click here for additional course information.
## Visiting Students:

**Visiting Students:** No

**Special Instructions:** N/A

### Int Med

<table>
<thead>
<tr>
<th>Allergy /Immun</th>
<th>MEL 8315 Clinical Allergy /Immunology</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEL 8315</td>
<td>Clinical Allergy /Immunology</td>
</tr>
<tr>
<td></td>
<td>Click here for additional course information</td>
</tr>
</tbody>
</table>

**Contact:**

Dr. Howard Israel

Howard.Israel@lvhn.org

**Report to:** Will be provided one week prior to the start of the elective

**Description:**

Allergic and immunologic problems affect up to 20% of adults and children in the United States, therefore, students should have a basic understanding of these conditions. These conditions are important to physicians regardless of their specialty interests. Both children and adults are seen in the clinics.

**Objectives:**

1. Evaluate an allergy patient with history and physical, formulate an appropriate laboratory and radiologic work up, and create a suitable treatment plan
2. Become familiar with the pathogenesis, diagnosis, and treatment of various allergic and immunologic conditions

**Rotation Activities:**

Students will primarily be involved in outpatient care in private doctor’s offices.

**Patient Encounters:**

Students will examine patients with common medical diseases such as allergic rhinoconjunctivitis, chronic rhinitis, acute and chronic urticaria, angioedema, drug allergy, insect hypersensitivity, and food allergy and also immuno-deficiency diseases.

**Evaluation:**

Evaluations will be completed by the faculty members who assess the level of clinical competence attained.

**Syllabus:**

Visiting Students:

Lehigh Valley Network on VSAS.

Special Instructions:

Visiting Students:

Lehigh Valley Network on VSAS.

Special Instructions:

Visiting Students:

Lehigh Valley Network on VSAS.

Special Instructions:
Description:

Allergic and immunologic problems affect up to 20% of adults and children in the United States. Therefore, students will learn the basic mechanisms of allergy and immunology and will learn how to care for patients with these conditions. Both children and adults are cared for in the Division of Allergy and Immunology.

Objectives:

The objectives of the respiratory disease research experience at the Joy McCann Culverhouse Airway Disease Center are to...

Rotation Activities:

The student will attend four weekly conferences on basic immunology and clinical allergy and will present a synopsis of his/her work in the last week of his training.

Patient Encounters:

The faculty members and staff associated with the training program will assess the level of competence and will complete evaluations.

Syllabus:

Visiting Students:

No Limit

Special Instructions:

N/A

Int Med Cardiovascular MDT 8200B Sudden Cardiac Death

USFMS 10A Yr 4 Status No Limit 0 40 2 Chae, Sanders Basic Science
Dr. Sanders Chae
schae@health.usf.edu
Bonna Nichol
bonna@health.usf.edu

Report

Description:

Objectives:
This course is to introduce and review clinical cardiac disorders that have a predominantly genetic component. The course will include a simulated genetic counseling session as well as review how to order genetic testing.

Rotation Activities:
1. Didactics
   Basic Science Lectures
   Clinical Lectures
   Teaching Conferences
   2. Research/Presentations

Patient Encounters:

Evaluation:
Students will be evaluated based on interaction with the faculty, a research project, and oral or written presentations.

Syllabus:

Visiting Students:

Special Instructions:

<table>
<thead>
<tr>
<th>Int Med</th>
<th>Cardiovascular</th>
<th>MEL 8351 Harvey Elective in Cardiology</th>
<th>USFMS 3, 5, 7, 9, 10</th>
<th>Yr 4 Status</th>
<th>15</th>
<th>0</th>
<th>44</th>
<th>4</th>
<th>Schocken, Dawn</th>
<th>Basic Science</th>
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</thead>
</table>

Contact:
Description:
The Harvey Elective is an uses the University of Miami Harvey Course Curriculum. This vetted curriculum has the students practice on the Harvey manikin, and at home, to learn how to... 27 most common heart conditions and their physical findings, which are mimicked on the Harvey Cardiovascular Simulator.

Objectives:
The major objective of this elective will be to teach the student to perform comprehensive cardiac assessment, including diagnostic testing, echocardiography and cardiac catheterization. Attendance at cardiology teaching conferences is optional.

Rotation Activities:
The students will have on site activities that include, but are not limited to, lectures from cardiologists, discussions, weekly discussions, attendance at ECG Interpretations at JAH VA Hospital, attendance at ECHO interpretations at TGH.

Patient Encounters:
N/A

Evaluation:
Course objectives will be assessed by the documentation of individual’s practice on the manikin as well as the three quizzes and a comprehensive written and practical examination at its conclusion.

Syllabus:
Posted to Canvas
Report to Dr. Brady at the Morsani Center at 8 AM on the first day of the rotation.

Description:
This course is designed to give students an appreciation for the relationship between basic science and clinical medicine. It will address the relationship of innate and acquired immunity to the disordered immune response in various diseases, and the role of the immune system in viral hepatitis, and the pathophysiology of gastroesophageal reflux and Barrett’s esophagus.

Objectives:
Upon successful completion of this elective, the student may expect to achieve an acceptable level of competence in the use of different therapeutic approaches and the ability to formulate differential diagnoses and propose solutions.

Rotation Activities:
Participation in gastroenterology outpatient clinics, lectures illustrating application of basic science to patient care, as well as hands-on experience in capsule endoscopy, 48 hour pH recordings, and high resolution esophageal manometry.

Patient Encounters:
Students will be evaluated based on direct faculty observation and feedback from patients and families.

Syllabus:
Visiting Students:
No

Special Instructions:
N/A

Contact:
Dr. Paola G Blanco
Paola_G.Blanco@lvhn.org

Report to: Will be provided one week prior to the start of the rotation

Description:
This course will expose the medical student to a wide range of gastroenterology disease processes. The inpatient service will provide the student exposure to both common and uncommon GI problems with emphasis on recognition, treatment and natural history of these disorders.

Objectives:
Successful completion of this elective, the student may expect to achieve an acceptable level of knowledge and skill in recognizing and treating gastroenterology disease processes.

Rotation Activities:
There will be a combination of direct patient contact and personal instruction. Observation of a variety of procedures including diagnostic and therapeutic upper GI panendoscopy, endoscopic retrograde cholangiopancreatography (ERCP), flexible sigmoidoscopy, esophageal dilation and manometry studies will be afforded. Hands-on experience in capsule endoscopy is available.
Attendance at ward and teaching rounds, outpatient clinics and teaching conferences will provide a further source of learning.

Emphasis will be placed on pathophysiology, clinical manifestations, diagnosis and therapy.

Emphasis will also be placed on the techniques of clinical nutrition.

Students can participate in a short research project during the rotation or may elect to begin a long term research project.

Students will participate in regularly scheduled conferences and clinics.

Patient Encounters:

Evaluation:
The faculty will base their performance evaluations upon clinical discussions and didactic presentations by the student.

Syllabus:

Visiting Students:

Lehigh Valley Network on VSAS.

Special Instructions:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Syllabus:

Visiting Students:

Lehigh Valley Network on VSAS.

Special Instructions:

N/A

<table>
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<tr>
<th>Int Med Digest Nutrition</th>
<th>MEL 8306 Gastroenterology Elective</th>
<th>MCAH 1-11</th>
<th>Adult Med, Pri Care</th>
<th>2</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Brady, Patrick</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:

Patrick Brady
pbrady@health.usf.edu
Tashalei Chau, Administrator
chaut@health.usf.edu

Report to Dr. Brady at the Morsani Center at 8 AM on the first day of the rotation.

Description:

This course is designed to give students a broad exposure to gastrointestinal and liver disease.

Objectives:

Upon successful completion of this elective, the student may expect to achieve an acceptable level of proficiency in the diagnosis, treatment, and evaluation of gastrointestinal disease. This includes an understanding of the pathophysiology, clinical manifestations, diagnosis, and therapy.

Rotation Activities:

Daily work and teaching rounds, participation in gastroenterology consultations, two hours of conferences weekly, participation in research projects, and opportunities to learn interpretation of capsule endoscopy, 48 hour pH recordings, and high resolution esophageal manometry.

Detail Card Click here for additional course information

Contact:

Patrick Brady
pbrady@health.usf.edu
Tashalei Chau, Administrator
chaut@health.usf.edu

Report to Dr. Brady at the Morsani Center at 8 AM on the first day of the rotation.

Description:

This course is designed to give students a broad exposure to gastrointestinal and liver disease.
Patient Encounters:

Evaluation: The faculty will base their performance evaluations upon clinical discussions and didactic presentations by the student.

Syllabus:

Visiting Students: No

Special Instructions: N/A

Int Med / Nutrition

<table>
<thead>
<tr>
<th>MEL 8306 Gastroenterology Elective</th>
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<tbody>
<tr>
<td>TGH 1 - 11 Adult Med, Pri Care 2 0 44 2.4 Brady, Patrick Clinical</td>
</tr>
</tbody>
</table>

Contact: Patrick Brady
pbrady@health.usf.edu

Tashalei Chau, Administrator
chaut@health.usf.edu

Report to the gastroenterology attending at 8 AM of the first day of the rotation in the Gastrointestinal Endoscopy Center at TGH.

Description: The course is designed to give students a broad exposure to gastrointestinal and liver disease through participation in gastroenterology teaching rounds, participation in gastroenterology consultations, two hours of conferences weekly, and two hours of conferences twice weekly. The GI Basic Science/Research Conference is held at the VA hospital at 7:15 AM on Friday morning and is optional.

Objectives: Upon successful completion of this elective, the student may expect to achieve an acceptable level of competence in the interpretation of gastrointestinal radiographs and other imaging techniques, the basic therapeutic approaches, and interpretation of the gastrointestinal radiographs and other imaging techniques.

Rotation Activities: Daily work and teaching rounds, participation in gastroenterology consultations, two hours of conferences weekly, and two hours of conferences twice weekly. This rotation involves learning interpretation of capsule endoscopy, 48 hour pH recordings, and high resolution esophageal manometry.

Patient Encounters: Evaluation: The faculty will base their performance evaluations upon clinical discussions and didactic presentations by the student.

Syllabus:

Visiting Students: No
Special Instructions:

Contact:

Patrick Brady
pbrady@health.usf.edu

Barbara Pearce
Academic Services Administrator
Internal Medicine 4th Year Electives Program
bpearce@health.usf.edu

Stefanie Stevens, Administrator
Stefanie.Stevens@va.gov

Report to:
Dr. Prasad Kulkarni or Dr. Donald Amodeo at 8 AM on the first day of the rotation in the Endoscopy center at the VA Hospital.

Description:
The course is designed to give students a broad exposure to gastrointestinal and liver disease through participation in gastroenterology consults. The GI Basic Science/Research Conference is held at the VA hospital at 7:15 AM on Friday morning and is optional.

Objectives:
Upon successful completion of this elective, the student may expect to achieve an acceptable level of competence in the following:

- Knowledge of the basic therapeutic approaches, and interpretation of the gastrointestinal radiographs and other imaging techniques.

Rotation Activities:
Daily work and teaching rounds, participation in gastroenterology consults, two hours of conferences weekly, introduction to high resolution esophageal manometry, introduction to capsule endoscopy, 48 hour pH recordings, and high resolution esophageal manometry.

Patient Encounters:

Evaluation:
The faculty will base their performance evaluations upon clinical discussions and didactic presentations by the student.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A
Report to:
The student must contact the following personnel:

1. Kathleen Koch in order to schedule the ride along time with Aeromed (this is optional; you'll need to fill out a waiver that she will send you. Her email address is kkoch@tgh.org.
2. Barbara Tripp, our Rescue Division Supervisor at Tampa Fire Rescue to sign their waiver and set up ride-alongs at the different stations. Her email address is Barbara.Tripp@tampagov.net.
3. Dr. Angus Jameson (ajamesonmd@gmail.com, medical director Pinellas County) and Dr. Stephanie Tershakovec (stephanietershakovec@gmail.com, our EMS fellow) to see whether there are additional EMS activities that would be useful for you for the rest of the month.

Description:
The purpose of this elective is to give the student a broad exposure to the scope of pre-hospital emergency medical services.

Objectives:
1. Gain an understanding of pre-hospital patient care by rotation with the Tampa Fire Rescue Department and Aeromed at Tampa General Hospital.
2. Learn to manage common toxicological problems by rotation in the Florida Poison Control Center at Tampa General Hospital.
3. Be exposed to EMS Administration by accompanying the medical director of Tampa Fire and Aeromed during administrative duties.
4. Gain an understanding of resource allocation and pre-arrival instruction initiatives by rotation at Signal One Fire and Rescue Dispatch.

Time spent in these various areas will depend on the interests and experience of the student.
2. Regular standing meeting: Aeromed Case Presentation every Tuesday, 9am-10am

3. Tampa Fire Meetings - Tuesday mornings

4. Aeromed's Safety and Staff - the last Thursday morning of the month

5. Emergency medicine grand rounds are on Wednesday 7am-12pm.

6. Approximately every 6 weeks - Grand Rounds at CAMLS.

7. Pinellas County does Capstone testing for new medics on the last Thursday and Friday of the month.

8. Monthly Journal Club for the EMS fellowship - articles will be made available one week before.

Patient Encounters:

The patient's final grade is determined by his/her clinical faculty evaluation which is completed at the end of the rotation. This formative feedback may serve as a springboard to the summative feedback that is given at the end of the rotation.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

<table>
<thead>
<tr>
<th>Int Med</th>
<th>Emerg Med</th>
<th>MEL 7320Q External Emergency Medicine</th>
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<th>1 - 7</th>
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<tr>
<td>Int Med</td>
<td>Emerg Med</td>
<td>MEL 9999Q Independent Study in Emergency Med</td>
<td>USFMS or LVHN</td>
<td>1 - 11</td>
<td>Intro to EM, Adult Med, Pri Care</td>
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<tr>
<td>Int Med</td>
<td>Endocrin</td>
<td>MEL 8305 Clinical Endo &amp; Metabolism</td>
<td>T-VAH</td>
<td>1 - 11</td>
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<td>4</td>
<td>Gomez-Daspet, Joaquin Clinical</td>
</tr>
</tbody>
</table>
Contact:
Lourdes Rodrigues, Administrator
Lrodrig1@healht.usf.edu

Dr. Joaquin Gomez-Daspet
Joaquin.Gomez-daspet@va.gov

Description:
Upon the completion of this elective, the student should understand how to manage patients with endocrinologic and metabolic diseases.

Rotation Activities:
Students will see in-house consultations at the VA, Tampa General, and H. Lee Moffitt hospitals.

Patient Encounters:

Evaluation:

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

<table>
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<th>MEL 8305</th>
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</tbody>
</table>

Visiting Students:
No

Special Instructions:
N/A

Contact:
Dr. Joaquin Gomez-Daspet
Joaquin.Gomez-daspet@va.gov

Contact:
Gretchen Perilli
Gretchen_A.Perilli@lvhn.org

(610) 402-6790

Click here for additional course information
Report to: Will be provided one week prior to the start of the rotation

Description: The rotation on the Endocrinology services involves exposure to inpatient consultations and

Objectives: 1. Evaluate an endocrine patient with history and physical, formulate an appropriate laborato

2. Demonstrate the ability to manage diabetes mellitus type 1 and 2

3. Demonstrate the ability to manage oral and insulin diabetes treatments as well as prevent i

4. Discuss, evaluate and treat routine endocrine conditions including thyroid, parathyroid, ad

Rotation Activities: Patient Encounters:

Evaluation:

Students will be evaluated in the office/clinic by the faculty attending. In the hospital setting s

Students will be given assignments. For example: Students will be given a interesting case b

Syllabus:

Visiting Students: Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions: N/A

Int Med Ethics MDE LVH Med Intro None 1,4,5,6 Clinical Chyu, None 1 0 44 4 Chyu, Michael 9,10 none 1 0 44 4 Chyu, Michael 9,10

Lehigh Valley Network on VSAS.

Contact: Michael.Chyu@lvhn.org

(610) 402-0100

Report to: 1255 S. Cedar Crest Blvd., Suite 3500

Description: This elective is designed to introduce the basic philosophy of palliative care and how these p
Objectives:

1. Initiate palliative care consults on patients in the hospital to include a comprehensive medical history, physical, psychosocial, and spiritual history. Gather a psychosocial, coping history, and spiritual and values history.

2. Provide a comprehensive assessment of patients with pain identifying physical, psychosocial, and spiritual components of distress.

3. Explain the relevant basic science, pathophysiology, associated symptoms and signs, and diagnostic options useful in differentiating among different etiologies of pain and non-pain syndromes.

4. In patient encounters, identify and address common patient, family, health care provider, and health care system barriers to effective symptom treatment.

5. List indications, clinical pharmacology, alternate routes, equianalgesic conversions, approach.

6. Initiate informed relationship-centered dialogues about care.

7. Demonstrate empathy.

8. Communicate effectively with patients and families across a broad range of socioeconomic status.

9. Communicate effectively with physicians, other health professionals, and health related agencies.

10. Define patient requirements to qualify for the hospice medical benefit and describe how to access care.

Rotation Activities:

During the entire month, students will attend palliative care journal club, and weekly hospice and palliative medicine grand rounds, series, landmark journal articles regarding key palliative care topics, and also to complete relevant CAPC modules.

Patient Encounters:

Evaluation:

For the inpatient educational experience, the trainee will see patients at Lehigh Valley Hospital and inpatient hospice settings.

For the hospice experience, the student will see patients primarily at the inpatient hospice unit at 17th and Chew St. They will participate in either one inpatient or home-based IDT during the week.

Knowledge will be assessed through a pre-post knowledge survey and exam, in addition to a clinical case study presentation. Finally, an overall evaluation will be completed by each member of the IDT using a competency-based assessment tool.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A
Description: This elective is designed to introduce senior students to Occupational Medicine specialty care. The elective will cover: 

Objectives:
1. Identify, describe evaluation and treatment of the top ten Occupational Medicine Injuries or Illnesses
2. Identify several strategies to protect workers at their job location. This includes procedures to eliminate or reduce hazardous exposures (Biological, Chemical and Physical)
3. Describe the role of OSHA, NIOSH, ANSI, EPA, ASHRAE, ACGIH, FMCSA, ASSE, CDC, State
4. Learn and demonstrate how to write workplace task limitations and accommodations
5. Describe and understand the role of Pre-Placement Employment exams and mandated Surveillance Exams
6. Describe the role of E.A.P. programs, Medical Review Officer physician activities, Respiratory Protection Programs and Hearing Conservation Programs
7. Describe the requirements for a physician to become certified to provide commercial driver examinations
8. Describe possible elements of an employee wellness program
9. Understand and describe issues involving vaccination to prevent illness and transmission

Rotation Activities: The following are experiences which may be included during the rotation:

- Personal one on one time with multiple practitioners providing occupational medicine and prevention services
- Meet with Employee Assistance Program (EAP) professionals and learn about E.A.P. services
- Observe and work at the local health department with the Medical Director (for General Preventive Medicine activities)
- Learn and perform travel exams (utilize the Travax system). This involves consideration of medical risks, vaccinations, medication prophylaxis, etc.
- Learn firefighter health concerns: perform firefighter exams while recognizing and utilizing NFPA 1582 standards
- Projects, as assigned, to utilize data for short research topics
- Attendance at quarterly “Safety Peer Group” meeting if present when scheduled (a topic expert presents on a pertinent safety and health issue – attended by corporate and governmental agency representatives with local OSHA participation)
- Respiratory Protection Program (29CFR1910.134) familiarization with performance of exams and mandated questionnaire review
- Commercial Driver exams with familiarization with regulatory requirements and other considerations

Patient Encounters:
Students will be evaluated on a scale from "unacceptable" to "outstanding" in multiple categories by direct interaction. The methods used for evaluation include 360 evaluations (nursing/clinic/administrative staff, preceptor, peers, self, admin) and preceptor evaluations. Students should be expected to attend the morbidity and mortality meetings and meeting associated with each of the programs listed above.

Syllabus:

Visiting Students: No

Special Instructions: N/A

<table>
<thead>
<tr>
<th>Int Med</th>
<th>General</th>
<th>MDE</th>
<th>T-VAH</th>
<th>1-11</th>
<th>None</th>
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<th>0</th>
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<th>William s, Rachel</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Rachel Williams
rachel.williams5@va.gov

Report to: Students should report to the James A. Haley Occupational Health Clinic at 8:00 am on the first day of the elective, as the preceptor, Dr. Williams will be expecting you.

The Employee Occupational Health clinic is in the Community Living Center (AKA CLC or Haley’s Cove). The main entrance is to the left of the CLC elevators, take the elevator to the 2nd floor. The clinic is on “B” floor at the end of the first hallway to the left after the elevators, check in in Rm 125.

The phone number to the clinic and Dr. Rachel Williams is (813) 972-2000 ext. 7628.

Description: The goals of this rotation are for the student to be exposed to the workplace, work exposures and the health issues that are associated with them. Students will learn to identify workplace and environmental hazards to reduce the risk of future injury or illness to the patient.

Objectives:
1. Gain exposure to complete patient histories, with an emphasis on occupation and exposure
2. Gain exposure to the selection of appropriate diagnostic studies in relation to the occupational injury or exposure
3. Review relevant occupational IT, databases, guidelines or other resources when providing a summary to the clinical preceptor
4. Gain exposure to legal and regulatory authority relating to protection and promotion of the public’s health
5. Assess individual risk for occupational/environmental disorders using an occupational history

Rotation Activities:
The student will see patients at the James A. Haley Occupational Health Clinic. The teaching methods used include patient based care, didactic instruction by the preceptor, coordinators or staff, self-directed study and topic assignment.

Patient Encounters:

Evaluation:
### Syllabus:

#### Visiting Students:
No

#### Special Instructions:
N/A

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<table>
<thead>
<tr>
<th>Int Med</th>
<th>General</th>
<th>MDE 8038 Telehealth Innovation and Quality Improvement</th>
<th>T-VAH</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>40</th>
<th>2,4</th>
<th>Peguero-Rivera, Alfredo</th>
<th>Clinical</th>
</tr>
</thead>
</table>

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**Contact:**
- Alfredo Peguero-Rivera  
  Alfredo.Peguero-Rivera@va.gov
- Dr. Jamie Morano  
  Jamie.Morano@va.gov

**Report to:**
- TeleID Sessions: Monday 1230-1630; Tuesday 1230-1630
- Telenephrology Sessions: Monday 0800-1200; Tuesday 1300-1630; Weds 0830-1100; Thursday 0830-11:00; TeleAnemia Session: Friday 1300-1600
- (TeleDerm and TeleWound clinics upon availability and participant interest.)

---

**Description:**
This elective will introduce medical students to the practice and theory of the brave new world of Clinical Video Telehealth (CVT) innovation and Quality Improvement. Students will be expected to report to the VA Monday through Friday 0800 to 1630 and to rotate through all sessions. The elective will introduce students to the basics oftelemedicine, including the use and interpretation of unique technical capabilities within CVT, including e-stethoscopes, e-otoscopes, and e-ultrasound.

**Objectives:**
1. Compare and contrast clinical video telehealth (CVT) versus the traditional medical clinic in terms of the role of team nursing case managers, health care access, travel logistics, and continuity of care.
2. Be familiar with the use and interpretation of unique technical capabilities within CVT, including e-stethoscopes, e-otoscopes, and e-ultrasound.
3. Understand the CVT protocols for Hepatitis C and HIV; be able to list the specific screening, treatment, and follow-up needs.
4. Understand the foundations of a nephrology continuity visit including relevant clinical scenarios such as diabetic and hypertensive nephropathy and metabolic acid-base disorders.
5. Be able to articulate quality improvement needs and outcomes relevant to CVT; participate in a quality improvement presentation (students/residents).

---

**Rotation Activities:**

During the course of the clinical rotations, participants will be encouraged to pursue the following:

- Click here for additional course information
1) **Required Reading:**

*Goldmans's Cecil Textbook of Medicine (24th ed.)*:

i. Vol 1 (XI: Renal and Genitourinary Diseases), Chapters 116-133

ii. Vol 2 (XXIV: HIV and the Acquired Immunity Syndrome), Chapters 392-402

*IDSA/AASLD Hepatitis C Treatment Guidelines* (http://www.aasld.org/publications/practice-guidelines-0)

*HIV Primary Care Primer* (to be provided)

2) **Required Online VA TMS Courses:**

*Clinical Video Telehealth (CVT) Foundations for Teleproviders (#14170)*

*CVT: Core Competencies (#23393)*

3) **Suggested Journals:** *Health Affairs, Journal of Telemedicine and Telecare; Sign up for 2nd floor* for full access

**Patient Encounters:**

*Evaluation:*

Oral feedback will be provided at the mid-point, and both oral and written evaluation will be reviewed with the student. Evaluation components will consist of dual evaluation by nephrology and ID faculty as applicable for clinical performance and other elements of the curriculum. The post-test will consist of a computerized exam and evaluation covering straightforward concepts on the basics of Nephrology/Hepatitis C telemedicine as well as the basics of quality improvement concepts.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

N/A

**Int Med** General MDE 8140 Geriatric Medicine

LVHN 1 - 11 Yr 4 Status 1 0 40 2,4 Yawman, Anne Clinical

**Contact:**
Dr. Anne Yawman  
Anne_M.Yawman@lvhn.org

Report to:  
Will be provided one week prior to the start of the rotation

Description:  
The geriatric rotation will offer experience to observe and manage elderly patients with a wide variety of medical conditions. Students will learn about the normal anatomical and physiologic changes associated with aging and the techniques of assessment, therapy and chronic and acute disease management.

Objectives:  
1. Understand the normal anatomical and physiologic changes associated with aging and the concepts of homeostenosis and frailty  
2. Recognize the atypical presentations of illness in the geriatric patient  
3. Evaluate and manage the common geriatric conditions including: delirium, dementia, depression, gait disorder and falls, syncope, unintentional weight loss, pain syndromes, urinary incontinence, and constipation  
4. Assess for and prevent the hazards of hospitalization of the geriatric patient including: 'polypharmacy', delirium, deconditioning and functional decline, malnutrition and pain syndromes  
5. Recognize the prevalence of complex and chronic disease in the elderly and its impact on functionality and quality of life  
6. Understand and utilize the AGS Beer’s Criteria for potentially inappropriate medication use  
7. Administer and interpret the various standardized instruments used for assessment of cognitive function, psychological affect and physical function in the geriatric population  
8. Understand the various post-acute rehabilitation and long-term care settings, including the roles and responsibilities of the interdisciplinary team members and Medicare/Medicaid and other insurance payment options

Rotation Activities:  
Students will see patients on the hospital geriatric consultation service, the ambulatory primary care and outpatient clinic, and participate in ward rounds. They will be involved in comprehensive patient care, including assessment of care concerns, care plan formulations for post-rehab and their own recommendations for improvement of the system.

Patient Encounters:  
Evaluation:  
The students will be evaluated based on the ACGME competencies. Students will receive a short pre-test and post-test of knowledge, a clinical evaluation based on their performance in the rotation, a summary writeup of a continuity patient, and a presentation of a journal article.

Syllabus:  
Visiting Students:  
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:  
N/A
Contact: Asa Oxner, MD  
Internal Medicine  
aoxner@health.usf.edu  
Anna Wenders  
Department of Family Medicine  
amaynard@health.usf.edu  
Barbara Pearce  
Academic Services Administrator  
Internal Medicine 4th Year Electives Program  
bpearce@health.usf.edu

Report to: Asa Oxner, MD  
Internal Medicine  
aoxner@health.usf.edu

Description: This elective integrates students into the care of elderly and those who are victims of health disparity. The goal is to improve outcomes, reduce costs and result in fewer hospital admissions for this vulnerable patient population.

Objectives: By the end of the elective students will be able to:

1. Compare and contrast the health needs and problems encountered in indigent care in the elderly
2. Compare and contrast the health needs and problems in an urban setting
3. Identify the most common over-treatments of geriatric patients and the downstream complications that patients experience from these
4. Understand the business application of Obamacare and Medicare, and the intersection of poverty with healthcare access
5. Understand resources for involvement from the Tampa social care network
6. Understand firsthand what a health disparity is and be able to take steps to fix it
7. Develop an understanding of the costs and complexity of dealing with poorly compliant patients
8. Become knowledgeable in the importance of recognizing early onset cognitive decline, and counseling the family
9. Gain experience with geriatric patients at Byrd Neurosciences Center and assist

Rotation Activities:  
1. Direct clinical experience with geriatric patients at Byrd Neurosciences Center and assist
2. Mandatory attendance at weekly geriatric didactic sessions in order to learn about geriatric
Patient Encounters:

Students will be evaluated by the course director at the end of the course based on clinical evaluations completed by their designee and at the end of the course based on medical knowledge, medical skills, and demonstrated professionalism.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

Int Med 8340 ICU Procedures for Internists

TGH 1 - 11 Year 4 Status 1 0 40 2 Bugarin, Elizabeth

Clinical

Contact:

Dr. Elizabeth Bugarin epbugarin@health.usf.edu

Barbara Pearce Academic Services Administrator Internal Medicine 4th Year Electives Program bpearce@health.usf.edu

Report:

Dr. Elizabeth Bugarin epbugarin@health.usf.edu

Description:

This elective integrates students into the nocturnal critical care team and provides students with an overview and hands-on experience with critical care procedures including but not limited to intubation, CVP placement, CV procedures, TPN placement, shiley/dialysis catheter placement, swan ganz catheterization, thoracentesis, paracentesis, and lumbar puncture.

Objectives:

By the end of the elective students will be able to:

1. Perform focused cardiopulmonary ultrasound and present their findings in an organized fashion
2. Understand the basic principles of sterile technique, appropriate time-out, and perform adequate informed consent
3. Be able to assess a patient’s respiratory status and develop basic airway management skills.
4. Be able to understand the basics of non-invasive and invasive mechanical ventilation and their application in critical care.

5. Develop skills in performing critical care procedures with an emphasis on thoracentesis, paracentesis, and lumbar puncture.

Rotation Activities:

Patient Encounters:

Evaluation:

Students will be evaluated by the main intensivist at the end of the course based on direct observation, completion of a case summary, and self-assessment.

Syllabus:

Visiting Students:

No visitation is allowed.

Special Instructions:

N/A

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<th>T-VAH</th>
<th>Adult Med, Pri Care</th>
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<th>Clinical</th>
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</thead>
</table>

Contact:

Alfredo Peguero-Rivera

Alfredo.Peguero-Rivera@va.gov

James Burrola

(813) 978-5947

Report to:

Second Floor Dialysis Unit

Monday at 8:00 am

Monday through Friday 0800 to 1630

Description:

This elective will introduce medical students to the practice and theory of bedside ultrasonography. Students will learn the principles and limitations of bedside ultrasonography, and will be able to perform bedside ultrasonographic procedures in the diagnosis of lung diseases.

Objectives:

1. Understand the principles and limitations of bedside ultrasonography.

2. Be familiar with the use and interpretation of the technical capabilities of bedside ultrasonography.

3. Understand, execute, and interpret the FAST and FAST modified ultrasonographic protocols in the diagnosis of hypotension.
4. Understand, execute and interpret the Blue and BLUE modified protocols in the diagnosis of dyspnea.

5. Be able to articulate quality improvement needs and outcomes relevant to the bedside ultrasonography field.

**Rotation Activities:**

During the course of the clinical rotations, participants will be encouraged to pursue the following:

**Required Visual videos provided to the students:**

1. Advance lung ultrasound applications
2. Rapid ultrasound for shock and hypotension
3. Cases in emergency ultrasound
4. Introduction to adult echocardiography

**Required Reading for all participants:**


**Suggested additional ultrasound literature journals and books:**

Sign up for Athens access at VA Medical Library (2nd floor) for full access.

**Patient Encounters:**

1. Oral feedback will be provided at the mid-point, and both oral and written evaluation will be reviewed with the participant at the end of the elective period.
2. Evaluation will consist of clinical performance (timeliness, interest, punctuality, % of sessions attended).

**Evaluation:**

- **Syllabus:**

**Visiting Students:**

**Special Instructions:**

| Int Med | General | MEL 8121 Hospital Med & Patient Safety | T-VAH | 1-11 | Adult Med, Pri Care | 2 | 0 | 40 | 2,4 | Reiss, Alexander | Clinical |
Description:
This rotation is designed to further the fourth year medical student's education in internal medicine and examine the prevention of medical errors while advancing the internal medicine skills of the student, preparing them for internship.

Objectives:
1. Further the student's education of internal medicine
2. Expose the student to the concepts of patient safety and preventable medical errors
3. Introduce the student to hospitalist medicine
4. Explore the "systems" approach to medical errors
5. Understand human factor engineering in the medical environment
6. Participate in root cause analysis process

Rotation Activities:
1. Gain understanding of Hospitalist medicine concepts
2. Understand human factor engineering and cite specific patient care examples
3. Manage patients in the capacity of an acting intern during business hours, answering pages, writing orders and notes, and admitting and discharging them
4. Participate in root cause analyses if opportunity is available
5. Attend learning conferences with the house staff
6. Present a morning report or noon conference on patient safety
7. Understand the "system" approach to medical errors and contrast that with the "blame" system

Patient Encounters:

Evaluation:
Supervising attending evaluations, completion of skills modules, quiz scores, presentation evaluations, etc.

Syllabus:

Visiting Students:
No
Special Instructions: N/A

| Int Med | General | MEL | Elective in Rural Medicine | AHEC | Adult Med, Pri Care | 1 - 11 | 1 | 0 | 44 | 2.4 | Oxner, Asa | Clinical |

Contact:
Asa Oxner, MD
Internal Medicine
aoxner@health.usf.edu

Anna Wenders
Department of Family Medicine
amaynard@health.usf.edu

Barbara Pearce
Academic Services Administrator
Internal Medicine 4th Year Electives Program
bpearce@health.usf.edu

Report to:
Asa Oxner, MD, Internal Medicine
aoxner@health.usf.edu

Description:
This elective is designed to introduce students to the practice of medicine in a rural community. Under the supervision of the preceptor, the student will be involved in direct clinical experiences across Hillsborough, Pasco, and Pinellas Counties. Gulfcoast South AHEC will provide students with a fixed travel reimbursement.

Objectives:
1. Compare and contrast the health needs and problems encountered in rural practice to those encountered in prior urban rotations
2. Identify the unique opportunities and challenges to medical practice and life in a rural area
3. Introduce/sensitize the student to cross-cultural issues in health care
4. Understand mechanisms and indications for consultation and referral in rural practice
5. Evaluate the business management of rural practice including availability of organized funding for patient care, managed care, etc.

Rotation Activities:
1. Direct clinical experience in rural medicine for underserved populations including migrant farm workers at Suncoast Community Health Center and homeless patients across Hillsborough, Pasco, and Pinellas Counties.
2. Complete a quality improvement project for one of our clinical sites. Examples include a process map of patient flow in the medical van and an inexpensive formulary of medications that are available to patients.

Patient Encounters:

The clinical faculty will evaluate the progress and performance of the student in the clinical setting(s).

Syllabus:

Visiting Students:

Special Instructions: This elective must be scheduled through Anne Wenders from the AHEC office. Final arrangements must be made through Ms. Wenders (amaynard@health.usf.edu) in conjunction with Gulfcoast North or Gulfcoast South AHEC. Health Resource Alliance (Pasco), Suncoast Community Health Centers (Hillsborough), DeSoto Memorial Hospital (Arcadia), or other rural sites.

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<thead>
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<td>6 0 40-64 4</td>
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<td>Gaines, Darryl</td>
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Description:

Students will function as acting interns on the general ward teams at Lehigh Valley Cedar Crest Hospital. They will be responsible for serving as the primary source of care for patients admitted to the ward. They will also assist in the management of patients in the ICU and the telemetry unit. Students are expected to assist in documentation, formulate plans of care, and perform procedures as directed by the attending physicians. Students are also expected to participate in the daily ward rounds, morning report, and grand rounds. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

Objectives:

1. Introduce the student to hospital based care and management
2. Learn how to perform adequate and thorough history and physical examinations
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention
4. Participate on short call every fifth night as scheduled with the assigned team
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentesis
6. Transition patients from the Medical Intensive Care Unit
7. Communicate inpatient management and outcomes with patient’s primary care physician

Contact:

Darryl D. Gaines
Darryl_D.Gaines@lvhn.org
(484) 661-4650

Report to: Will be provided one week prior to the start of the rotation.
8. Participate and learn appropriate discharge planning, utilization of system based care in the management of their patients and how to do discharge summaries.

9. Learn to interpret EKG’s, radiographic studies, PFT’s and appropriate lab diagnostic studies.

Rotation Activities:

Students will be required to give a 15-20 minute case presentation halfway through the rotation. The presentation will be followed by a 5-10 minute feedback session with the Attendings/Residents. Students should be prepared to discuss patient medical history, physical exam and relevant imaging. Students should also be prepared to discuss their thought process and differential.

Patient Encounters:

Evaluation is based solely on clinical evaluations from your preceptors.

Syllabus:

Visiting Students:

Visiting Students: No

Special Instructions:

Visiting Students: N/A

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</table>

Contact:

Lorie Jennings
Education Coordinator
Moffitt Cancer Center
Lorie.Jennings@moffitt.org
(813) 745-2250

Michelle Sheff
Management Assistant: Internal Hospital Medicine
Moffitt Cancer Center
Michelle.Sheff@moffitt.com
(813) 745-3134

Report to Moffitt Cancer Center Attendings/Residents schedule changes every month. The students...
Description: This rotation allows the medical student to learn how to diagnose and treat common medical conditions and exposes the student to hospital-based care and management.

Objectives:
1. Introduce the student to hospital-based care and management
2. Learn how to perform adequate and thorough history and physical examinations
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention
4. Participate on night call every fifth night as scheduled with the assigned team
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentesis
6. Transition of patients from the Medical Intensive Care Unit
7. Communicate inpatient management and outcomes with the patient's primary care physician
8. Participate and learn appropriate discharge planning, utilization of system-based care in the management of their patients
9. Learn to interpret EKG's, radiographic studies, PFT's and appropriate lab diagnostic studies

Rotation Activities:
Students will function as acting interns on the general ward teams at Moffitt Cancer Center. They will be given direct patient care, call rounds, inpatient rounds, and grand rounds. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

Patient Encounters:

Evaluation:
The student's final grade is determined solely by his/her clinical faculty evaluation which is completed at the end of the rotation. It facilitates discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

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</table>

Contact: Barbara Pearce
Academic Services Administrator
Internal Medicine 4th
Year Electives Program
bpearce@health.usf.edu

Report to TGH Attendings/Residents: Schedule changes every month. The students receive their schedule a week before the start of their rotation.

Description:
The student will function as acting or "early" intern on a general ward team. He/She will be given the full range of responsibilities that are expected of an intern.

The only mandatory conferences that students are required to attend are AM report, noon conference, and Grand Rounds. There are no other weekly didactic sessions to attend. There are no weekly quizzes. There are no end of course examinations.

Objectives:
1. Introduce the student to hospital based care and management
2. Student will learn how to perform adequate and thorough history and physical examination.
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention
4. Participate on night call every fifth night as scheduled with the assigned team
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentesis
6. Transition of patients from the Medical Intensive Care Unit
7. Communicate inpatient management and outcomes with patient's primary care physician
8. Participate and learn appropriate discharge planning, utilization of system based care in the patient's management
9. Learn to interpret EKG's, radiographic studies, PFT's and appropriate lab diagnostic studies

Rotation Activities:
Students will function as acting interns on the general ward teams. They will be given direct patient care clinical responsibilities. This rotation includes participation in AM report, noon conference, and grand rounds. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

Patient Encounters:

Evaluation:
The student's final grade is determined solely by his/her clinical faculty evaluation which is completed at the end of the rotation. Faculty will facilitate discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

Visiting Students:
Yes.
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

| Int Med | General | MDI 8200 Acting Medici | T-VAH | 1-2, 4-11 | Yr 4 Status | 5 | 0 | 40-64 | 4 | O'Brien, Kevin | Clinical |
Internship

Click here for additional course information

Contact:
Barbara Pearce
Academic Services Administrator
Internal Medicine 4th Year Electives Program
bpearce@health.usf.edu

Report to: VAH Attendings/Residents schedule change every month. The students receive their schedules a week before the start of their rotation. The students must contact the VAH Attendings/Residents to set up a meeting time to go over the schedule and have an opportunity to ask any questions. The students are encouraged to maintain an open line of communication with the Attendings/Residents so that they may set up a time and place for their initial meeting.

Description:
The student will function as acting or “early” intern on a general ward team. He/She will be given the full range of responsibilities and patient care related to the assigned team.

The only mandatory conferences that students are required to attend are AM report, noon conference, and Grand Rounds. There are no other weekly didactic sessions to attend. There are no weekly quizzes. There are no end of course examinations.

Objectives:
1. Introduce the student to hospital based care and management
2. Student will learn how to perform adequate and thorough history and physical examination.
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention
4. Participate on night call every fifth night as scheduled with the assigned team
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentesis
6. Transition of patients from the Medical Intensive Care Unit
7. Communicate inpatient management and outcomes with patient’s primary care physician
8. Participate and learn appropriate discharge planning, utilization of system based care in the management of their patients and how to do discharge summaries
9. Learn to interpret EKG’s, radiographic studies, PFT’s and appropriate lab diagnostic studies

Rotation Activities:
Students will function as acting interns on the general ward teams. They will be given direct patient care clinical responsibilities as well as participation in AM report, noon conference, and grand rounds. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

Patient Encounters:

Evaluation:
The student’s final grade is determined solely by his/her clinical faculty evaluation which is completed at the end of the rotation. This evaluation will facilitate discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

Visiting Students:
Yes.
Apply via
USF Health Morsani College of Medicine
on VSAS.

Special Instructions:

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</thead>
</table>

Contact:
Dr. Olga Klinkova
Olga.Klinkova@moffitt.org
(813) 745-8565

Report to:
Dr. Klinkova at Moffitt Cancer Center on the first day of the rotation

The Attendings at Moffitt schedule change every week. The students receive their schedules.

Description:
This course is a 4-week experience for the 4th year medical student at one of our major inpatient teaching hospitals, Moffitt Cancer Center.

The student will function as acting or "early" intern on an internal medicine consult service. The student will function as acting or "early" intern on an internal medicine consult service. He/She will be given the responsibility to manage a patient's care from admission to discharge.

The elective will afford the participating student an in-depth consultative experience in total patient management.

The only mandatory conferences that students are required to attend are AM report, noon conference, and Grand Rounds. There are no other weekly didactic sessions to attend. There are no weekly quizzes. There are no end of course examinations.

Objectives:
1. Conduct a preoperative evaluation
2. Evaluate and treat postoperative complications such as Atrial Fibrillation, Diabetes, Hypertension
3. Approach for diagnosis and treatment of VTE in a cancer patient
4. Attend Morning Report, Noon conference, Grand Rounds and Internal Medicine Board Review

Rotation Activities:
Students will work directly with the Medicine attending on the Internal Medicine Consultation Service.

Patient Encounters:
**Evaluation:**

The student's final grade is determined by his/her clinical faculty evaluation which is completed at the end of the rotation. This formative feedback may serve as a springboard to the summative feedback that is given at the end of the rotation.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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<th>Clinical</th>
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</thead>
</table>

**Contact:**

Barbara Pearce

Academic Services Administrator

Internal Medicine 4th Year Electives Program

bpearce@health.usf.edu

**Report to:**

Contact the resident and attending assigned to the consult service one week prior to the start of the rotation.

**Description:**

This course is a 2-week experience for the 4th year medical student at one of our major inpatient teaching hospital sites, Tampa General Hospital. The student will function as acting or "early" intern on an internal medicine consult service. He/She will be given the opportunity to function as a pre- and post-operative intern, working closely with the internal medicine attending physicians and residents and working independently within their service. The elective will afford the participating student an in-depth consultative experience in total patient management.

The only mandatory conferences that students are required to attend are morning report, noon conferences, and Grand Rounds.

**Objectives:**

1. Conduct a preoperative evaluation
2. Evaluate and treat postoperative complications such as Atrial Fibrillation, Diabetes, Hypertension
3. Approach for diagnosis and treatment of VTE in surgical patients
4. Evaluate and treat common medical problems in both the pre- and post-operative patient

**Rotation Activities:**

Students will work directly with the Medicine attending on the Internal Medicine Consultation Service at Tampa General Hospital.

**Patient Encounters:**

TGH 1 - 11 Adult Med, Pri Care 1 0 44 2 O’Brien, Kevin Clinical

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**Contact:**

Barbara Pearce

Academic Services Administrator

Internal Medicine 4th Year Electives Program

bpearce@health.usf.edu

**Report to:**

Contact the resident and attending assigned to the consult service one week prior to the start of the rotation.

**Description:**

This course is a 2-week experience for the 4th year medical student at one of our major inpatient teaching hospital sites, Tampa General Hospital. The student will function as acting or "early" intern on an internal medicine consult service. He/She will be given the opportunity to function as a pre- and post-operative intern, working closely with the internal medicine attending physicians and residents and working independently within their service. The elective will afford the participating student an in-depth consultative experience in total patient management.

The only mandatory conferences that students are required to attend are morning report, noon conferences, and Grand Rounds.

**Objectives:**

1. Conduct a preoperative evaluation
2. Evaluate and treat postoperative complications such as Atrial Fibrillation, Diabetes, Hypertension
3. Approach for diagnosis and treatment of VTE in surgical patients
4. Evaluate and treat common medical problems in both the pre- and post-operative patient

**Rotation Activities:**

Students will work directly with the Medicine attending on the Internal Medicine Consultation Service at Tampa General Hospital.

**Patient Encounters:**

TGH 1 - 11 Adult Med, Pri Care 1 0 44 2 O’Brien, Kevin Clinical
The student's final grade is determined solely by his/her clinical faculty evaluation which is completed at the end of the rotation. This evaluation will facilitate discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

Visiting Students: No

Special Instructions: N/A

Int Med  General  MEL 8953 Integrative Clinical Skills

Click here for additional course information

Contact:
Dr. Cuc Mai
cmai@health.usf.edu

Report to:
cmai@health.usf.edu
one week prior to the start of the rotation for rotation schedule.

Description:
This elective offers the fourth year medical student a review of pertinent skills for a smoother transition to internship.

Objectives:
1. Diagnose and treat common overnight call issues
2. Practice and learn common bedside medical procedures
3. Improve teaching skills to be a better educator
4. Improve communication skills specifically delivering bad news
5. Familiarize yourself with ancillary medical services in the hospital/community and how these services can improve patient care
6. Learn skills to improve balancing the rigors of residency with personal/social endeavors

At the end of the month, students should feel more comfortable with the skills that will make their transition to residency smoother and to maximize the learning environment in residency.

Rotation Activities:
The course will predominantly consist of case based conferences which will be a review such topics as writing orders, seeing patients, etc. Attendance to various internal medicine conferences (morning report and noon conference) is optional.

Patient Encounters:

TGH 11 Yr 4 Status 12 0 40 4 Mai, Cuc Clinical
Students will be evaluated on attendance, participation in case based conferences, involvement in cross cover calls, and an end of the month presentation.

Syllabus:

Visiting Students:

Special Instructions:

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</table>

Contact:
Lorie Jennings
Education Coordinator
Moffitt Cancer Center
Lorie.Jennings@moffitt.org
(813) 745-2250

Michelle Sheff
Management Assistant: Internal Hospital Medicine
Moffitt Cancer Center
Michelle.Sheff@moffitt.com
(813) 745-3134

Report to: Round with IHM A inpatient service

Description:
This rotation allows the medical student to learn how to diagnose and treat common medical conditions, become familiar with the hospital setting, and participate in patient care under the guidance of attending physicians. Students will round with IHM A inpatient service.

Objectives:
1. Introduce the student to hospital based care and management.
2. Students will learn how to perform adequate and thorough history and physical examinations.
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention.
4. Participate on night call every fifth night as scheduled with the assigned team.

Visiting Students:
No

Special Instructions:
N/A
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentesis, lumbar puncture, central line placement.

6. Transition of patients from the Medical Intensive Care Unit.

7. Communicate inpatient management and outcomes with patient’s primary care physician.

8. Participate and learn appropriate discharge planning, utilization of system based care in the management of their patients and how to do discharge summaries.

9. Learn to interpret EKG’s, radiographic studies, PFT’s and appropriate lab diagnostic studies.

Rotation Activities:
Students will function as acting interns on the general ward teams. They will be given direct patient care clinical responsibilities in conjunction with preceptors. Students will also be expected to participate in ward rounds, teaching conferences, ward signouts, resident rounds, and grand rounds. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

As part of the Honors Medicine Acting Internship, students must either complete a research project (i.e. submit an abstract to a regional or national meeting), attend a Florida ACP meeting, or make an advocacy trip with the ACP.

Patient Encounters:

Evaluation:
The student’s final grade is determined solely by his/her clinical faculty evaluation which is completed at the end of the rotation. This evaluation facilitates discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

Visiting Students:

Special Instructions:
Available only to students in the Internal Medicine track.
The mandatory conferences that students are required to attend are AM report, noon confer.

Objectives:

1. Introduce the student to hospital based care and management
2. Students will learn how to perform adequate and thorough history and physical examination
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention
4. Participate on night call every fifth night as scheduled with the assigned team
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentesis
6. Transition of patients from the Medical Intensive Care Unit
7. Communicate inpatient management and outcomes with patient’s primary care physician
8. Participate and learn appropriate discharge planning, utilization of system based care in th
9. Learn to interpret EKG’s, radiographic studies, PFT’s and appropriate lab diagnostic studi.

Rotation Activities:

Students will function as acting interns on the general ward teams. They will be given direct.

As part of the Honors Medicine Acting Internship, students must either complete a research.

Patient Encounters:

Evaluation:

Student’s final grade is determined solely by his/her clinical faculty evaluation which is c

Syllabus:

Visiting Students:

Special Instructions:

Available only to students in the Internal Medicine track

Int Med General MDI 9202 Honors AI in Internal Medici

T-VAH 3 Yr 4 Status 5 0 64 4

O’Brien, Kevin Clinical

Contact: Barbara Pearce

Academic Services Administrator
Report to: The VAH Attendings/Residents schedule changes every month. The students receive their schedule a week before the start of the month. They should contact the Attendings/Residents with the Attendings/Residents contact information, so that they may set up a time and place for their initial meeting.

Description:
The student will function as acting or "early" intern on a general ward team. He/She will be given the full range of responsibilities, so that he/she may confidently assume such care in the first postgraduate year regardless of the career choice.

The mandatory conferences that students are required to attend are AM report, noon conference, Grand Rounds and the monthly journal club. There are no other weekly didactic sessions to attend. There are no weekly quizzes. There are no end of course examinations.

Objectives:
1. Introduce the student to hospital based care and management
2. Students will learn how to perform adequate and thorough history and physical examinations
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention
4. Participate on night call every fifth night as scheduled with the assigned team
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentesis
6. Transition of patients from the Medical Intensive Care Unit
7. Communicate inpatient management and outcomes with patient's primary care physician
8. Participate and learn appropriate discharge planning, utilization of system based care in the management of their patients
9. Learn to interpret EKG's, radiographic studies, PFT's and appropriate lab diagnostic studies

Rotation Activities:
Students will function as acting interns on the general ward teams. They will be given direct patient care clinical responsibilities. They will participate in the mandatory conferences: AM report, noon conference, Grand Rounds. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

As part of the Honors Medicine Acting Internship, students must either complete a research project (i.e. submit an abstract to a regional or national meeting), attend a Florida ACP meeting, or make an advocacy trip with the ACP.

Patient Encounters:

Evaluation:
The student's final grade is determined solely by his/her clinical faculty evaluation which is completed at the end of the rotation.

Syllabus:

Visiting Students:

Special Instructions:
Available only to students in the Internal Medicine track
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>USFMS or LVHN</td>
<td>Hematology and Oncology</td>
</tr>
<tr>
<td>LVHN</td>
<td>1 - 11 Yr 4 Status</td>
</tr>
</tbody>
</table>

**Objectives:**

1. Identify key points in a patient's case and use them to make management decisions
2. Recall the important aspects of the history and physical in evaluating a patient with cancer
3. Identify detailed aspects of the CBC, coagulation studies, and peripheral blood smear
4. Will demonstrate the ability to accurately interpret CT scans and MRI imaging of oncology patients.

5. Strengthen skills to develop a differential diagnosis and be able to justify studies ordered.

6. Be able to compare and contrast mechanism of action and side effects of traditional chemotherapy and new targeted therapy.

7. Differentiate between palliative care and hospice care and decide when to transition patients.

8. Appreciation for the importance of clinical trials and the process of screening patients.


Rotation Activities:
The student will be exposed to a broad variety of Hematologic and Oncologic cases. They will spend time on the oncology consult service. They will follow patients and round with team members including attendings, APC, fellows and residents.

The students also spend time in the office setting with a attending. They accompany the attending during office visits and spend time discussing the case. Attend tumor board, journal club, fellow lectures. Opportunity to spend time with hematopathology and blood bank.

Patient Encounters:

Evaluation:

1. Students will be evaluated in the office/clinic by the faculty hematology/oncology attending.

2. Students will be given a brief multiple choice test at the start of the rotation and again at the completion to gauge progress. Test will cover basic concepts in hematology/oncology.

3. Students will be given assignments. For example: Students will be given a interesting case by the attending to review. They will answer a question based on a case they were involved in. They will answer the question with support from the medical literature.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A
Report will be provided one week prior to the start of the rotation.

Description:
The primary focus of this rotation is the inpatient consultative service. Students will be expected to round with the infectious disease consult service and to manage patients with infections. Students will gain knowledge and skills in the following areas:

- Infection Control
- Travel Medicine
- HIV
- Wound Management
- Antibiotic Stewardship
- Infectious Disease

Objectives:

1. Apply the principles of comprehensive history taking and physical examination to generate a differential diagnosis and select advanced testing modalities
2. Improve their assessment and management of disease processes using evidence-based literature and interdisciplinary communication
3. Apply the principles of empiricism and stewardship to antibiotic selection and management
4. Improve familiarity with antimicrobial therapies, including antibiotic classes, adverse drug reactions, and interactions
5. Understand various states of immunosuppression (hereditary, drug-induced, acquired, organ transplant-related)
6. Summarize Infection Control protocol to minimize spread of disease
7. Deduce the appropriate method for treating microbial infections
8. Identify the correct type of antibiotic to treat bacterial infections

Rotation Activities:

This course will include a rotation with the infectious disease consult service with responsibility and activities in care of patients.

Patient Encounters:

Students will be evaluated by the faculty attending. Students will be given assignments. For example: Students will be given a case by the attending to review. Students will also answer questions based on a case they were involved in. They will answer the question with support from the medical literature.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A

Contact:

MCC 1 - 11 Adult Med, Pri Care

Int Med ID, International
MEL 8310 Infect Disease & Intern Med

Click here for additional course information

Greene, John

Clinical
Description: Patient populations include bacteremias, urinary tract infections, pneumonias, and HIV related issues. The Cancer Center's specialty population consists of oncology and hematological units and an orthopedic oncology unit.

Objectives:

1. Provide fundamental information concerning techniques employed in diagnosing infectious diseases
2. Obtain an appreciation for the natural history of infectious disease so as to better understand the disease process
3. Comprehend the process of selection of appropriate antimicrobial therapy

Rotation Activities:

1. Seeing patients assigned to the student from 9:00-12:00, Monday – Friday
2. ID didactic Lecture from 12:00-1:00, Monday-Friday
3. Rounds with ID attending and team from 1:00-5:00, Monday-Friday
4. Optional – Research project on ID related diagnosis

Patient Encounters:

Evaluation:

Midway through the elective a formal evaluation process results in generation of written comments that are communicated to the student. Specific areas of concern will be identified and data will be incorporated in teaching rounds to provide guidance for the student to strengthen skills in those areas.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

Int Med

ID, International

MEL 8310 Infect Disease & Intern Med

TGH 1 - 11

Adult Med, Pri Care

3 0 44 2.4

Sinnott, John

Clinical
**Description:**
This course is a 2 or 4 week experience for our medical students at Tampa General Hospital. Students will be assigned to see clinical patients in which a request to receive an infectious diseases consultation has been made. Students will receive an infectious disease consult and train with other members of the team including an Infectious Disease fellow and an Infectious Disease attending.

**Objectives:**
1. Provide fundamental information concerning techniques employed in diagnosing infectious disease.
2. Obtain an appreciation for the natural history of infectious disease so as to better understand how therapy is affecting the course of disease in a given patient.
3. Comprehend the process of selection of appropriate antimicrobial therapy.

**Rotation Activities:**
The clinical rotations conducted are structured to permit students to function, with guidance from preceptors, in the role of a junior infectious diseases specialist. The student’s progress during the elective will be monitored during daily teaching rounds by the attending faculty.

**Patient Encounters:**
Evaluation through the elective a formal evaluation process results in generation of written comments that are communicated to the student and his or her preceptor(s).

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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<table>
<thead>
<tr>
<th>Int Med ID, International</th>
<th>MEL 8310 Infect Disease &amp; Intern Med</th>
<th>T-VAH</th>
<th>1 - 11</th>
<th>Adult Med, Pri Care</th>
<th>2</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Sinnott, John</th>
<th>Clinical</th>
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<tbody>
<tr>
<td><strong>Contact:</strong> Verona Allen</td>
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<td><a href="mailto:verona.allen@va.gov">verona.allen@va.gov</a></td>
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</table>
Objectives:

1. Provide fundamental information concerning techniques employed in diagnosing infectious diseases.
2. Obtain an appreciation for the natural history of infectious disease so as to better understand the course of disease in a given patient.
3. Comprehend the process of selection of appropriate antimicrobial therapy.

Rotation Activities: The clinical rotations conducted are structured to permit students to function, with guidance by advanced subspecialists, as an integral part of the general medicine service. The student's progress during the elective will be monitored during daily teaching rounds by the attending faculty.

Patient Encounters:

Evaluation: Midway through the elective a formal evaluation process results in generation of written comments that are communicated to the student. Student performance data will be incorporated in teaching rounds to provide guidance for the student to strengthen skills in those areas.

Syllabus:

Visiting Students: No

Special Instructions: N/A

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Description: This course is a 2 or 4 week experience for our 4th year medical students at Tampa General Hospital.
Students will be assigned to see clinical patients who are immunocompromised in which a request to receive an infectious disease consult will be made. They will be part of a team which includes an Infectious Disease fellow and Infectious Disease attending.

Objectives:
The goal of this rotation is to introduce the senior students to transplant medicine and its major complications, knowledge of drug interactions between antimicrobials and immunosuppressive drugs will be demonstrated.

Rotation Activities:
Students will be part of a team which includes an Infectious Disease fellow and Infectious Disease attending who will tour them through the Infectious Disease service. Students are encouraged to participate in the weekly ID fellow lecture series as well as the ID case presentations.

Patient Encounters:

Evaluation:
The evaluation process will be ongoing on a daily basis through constructive criticism to help students perfect their history taking and physical examination skills. The students will be given the opportunity to give suggestions to help incorporate their needs into future rotations through this service.

Syllabus:

Visiting Students:

Special Instructions:

Int Med  ID, International
MEL  ID  
8363 Infectious in ICU

TGH  1 - 11

Adult Med, Pri Care

2  0  44  2,4  Montero, Jose
Clinical

Contact:
Tammy Grice
TGH
tsgrice@gmail.com
(813) 844-4187

Report to:
Tammy Grice
TGH RM G323

Description:
Clinical ID Elective

Objectives:
The goal of the course is to learn to recognize, treat, and prevent infectious complications in the critically ill patient. A practical approach to antibiotic choices and effective use of diagnostic studies will be stressed.

Rotation Activities:
1. Perform ID consultation and follow-up
2. Write patient progress/consult notes using EPIC
3. Round with ID team

Visiting Students:
No

Special Instructions:
N/A

Click here for additional course information
Patient Encounters:

Evaluation:

The attending physicians will evaluate the student on a daily basis.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Int Med

Nephrology

MEL

8313 Clinical Nephrology

TGH

1 - 11 Adult Med, Pri Care

1 0 40-44 2.4 Durr, Jacques

Clinical

Contact:

Christina Haynes, Administrator

chaynes1@health.usf.edu

Dr. Jacques Durr

jacques.durr@gmail.com

jdurr@health.usf.edu

Report to:

Dr. Jacques Durr

jacques.durr@gmail.com

jdurr@health.usf.edu

Description:

Objectives:

The objective of this elective is to expose medical students to the broad general principles of Clinical Nephrology and to provide an opportunity to participate in the care of patients with renal and hypertensive problems. Students will have the opportunity to observe and participate in the care of patients under the guidance of attending physicians, house staff, and clinical fellows. The rotation will include inpatient consults, ward rounds, and outpatient clinic experiences.

Rotation Activities:

Adequate exposure to renal patients is achieved through inpatient consultations in the affiliated institutions and outpatient clinic experiences. Students will work closely with the attending staff, house staff, and clinical fellows to provide comprehensive care to patients with renal and hypertensive problems. The rotation will also include didactic sessions and case presentations to enhance understanding of the principles of Clinical Nephrology.

Patient Encounters:

- TGH 1 - 11
- Adult Med, Pri Care
- 1 0 40-44 2.4
- Durr, Jacques
Description:

**Objectives:**
The objective of this elective is to expose medical students to the broad general principles of Clinical Nephrology.

**Rotation Activities:**
Adequate exposure to renal patients is achieved through inpatient consultations in the affiliated institutions and the inpatient Nephrology service that involves dietitians, social workers, clinical nurse specialists, as well as the attending staff.

**Patient Encounters:**

**Evaluation:**

**Syllabus:**

**Visiting Students:**
No

**Special Instructions:**
N/A

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Contact:
Christina Haynes, Administrator  
chaynes1@health.usf.edu

Dr. Alfredo Peguero-Rivera  
Alfredo.Peguero-Rivera@va.gov

Report to:
Alfredo Peguero-Rivera  
Alfredo.Peguero-Rivera@va.gov

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### Course Information

**Int Med Nephrology**

**MEL 8313 Clinical Nephrology**

**T-VAH** 1 - 11  
Adult Med, Pri Care  
1 0 40-44 2,4  
Peguero-Rivera, Alfredo  
Clinical
**Description:**
The geriatric rotation will offer experience to observe and manage with a variety of renal conditions. On an inpatient service that involves dietitians, social workers, clinical nurse specialists, as well as the attending staff.

**Objectives:**
The objective of this elective is to expose medical students to the broad general principles of Clinical Nephrology. In the rotation, the student will learn many of the specifics of renal care. The student will be expected to be familiar with the patients and their care prior to the start of the rotation. The performance of the history and physical examination, formulation of plans for diagnosis and management, and the presentation of the patient to the attending will be the responsibility of the student who will function under the supervision of the Nephrology attendings and fellows.

**Patient Encounters:**

**Evaluation:**
The faculty will base their performance evaluations upon clinical discussions and didactic presentations by the student.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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<table>
<thead>
<tr>
<th>Int Med Nephrology</th>
<th>MEL 8313 Clinical Nephrology</th>
<th>LVH-CC</th>
<th>1-11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>40-44</th>
<th>4</th>
<th>Saqib, Mohammad</th>
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<tbody>
<tr>
<td>Contact: Mohammad Saqib</td>
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<td><a href="mailto:Mohammad.Saqib@lvhn.org">Mohammad.Saqib@lvhn.org</a></td>
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<td>Report to: Will be provided one week prior to the start of the rotation</td>
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<thead>
<tr>
<th>Int Med Palliative</th>
<th>MDE 8150 Intro to Palliative Med and Hospice</th>
<th>TGH</th>
<th>1-6, 9-11</th>
<th>None</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>4</th>
<th>Tuch, Howard</th>
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</thead>
<tbody>
<tr>
<td>Click here for additional course information</td>
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Description: This elective is designed to introduce the basic principles and practice of palliative care. A 2-4 week inpatient rotation is required to provide the opportunity to work with patients in an acute care setting. Students will see patients at Tampa General Hospital on the Palliative Care Consult Service. Students will be assigned patients by the supervising faculty and will be integrally involved in the assessment of the patient and family understanding of illness and prognosis. They will actively participate in family meetings regarding goals of care and treatment plans.

Objectives:
1. Initiate palliative care consults on patients in the hospital to include a comprehensive medical history, physical examination, social history, functional assessment of patient and family understanding of illness and prognosis. Gather a psychosocial, spiritual and values history.
2. Provide a comprehensive assessment of patients with pain identifying physical, psychosocial and spiritual components of distress.
3. Explain the relevant basic science, pathophysiology, associated symptoms and signs, and diagnostic options useful in differentiating among different etiologies of pain and non-pain syndromes.
4. In patient encounters, identify and address common patient, family, health care provider and health care system barriers to effective end of life care, hospice and palliative care.
5. List indications, clinical pharmacology, alternate routes, equi-analgesic conversions, appropriate titration, toxicities, and management of common side effects in opioid administration.
6. Communicate effectively with patients and families across a broad range of socioeconomic backgrounds.
7. Communicate effectively with physicians, other health professionals, and health related agencies.
8. Define patient requirements to qualify for the hospice medical benefit and other community resources.

Rotation Activities:
Students will see patients at Tampa General Hospital on the Palliative Care Consult Service. Students will actively participate in daily team rounds and scheduled didactic sessions.

Patient Encounters:
Evaluation of student will be based on performance of responsibilities listed in Rotation Activities above.

Syllabus:
Visiting Students: No
Special Instructions: N/A
Respiratory Pathophysiology

Contact: Kendall Morris, MD
kmorris@health.usf.edu

Report to: Kendall Morris, MD
kmorris@health.usf.edu

Description: This course is specifically designed to enhance student competency in Respiratory Pathophysiology. It will provide an in-depth review of pulmonary physiology as applied to clinical scenarios. The course will include topics such as Adult Respiratory Distress Syndrome (ARDS), asthma, hyperbaric medicine, and airway inflammation.

Objectives: The goal of the course is to provide a review of pulmonary physiology as applied to clinical scenarios. Students will be prepared to understand and manage patients with respiratory diseases.

Rotation Activities:
1. Clinical experiences
2. Advanced basic science review

Patient Encounters:

Evaluation: Students will be evaluated on their oral presentations, application of the principles of pulmonary physiology to clinical scenarios, and their ability to interpret recent basic science discoveries in oral case reports.

Syllabus:

Visiting Students: No

Special Instructions: N/A

Int Med Pulm/Sleep Med MEL 7388 Intro to Sleep Medicine T-VAH 1 - 11 Adult Med, Pri Care 2 0 44 2,4 Anders on, William Clinical
Description:
The elective is designed to introduce students to the practice of sleep medicine in an outpatient and inpatient setting. The student will have exposure to interpretation of sleep studies and observation of the overnight recordings.

Objectives:
1. List the clinical findings that are associated with a high pre-test probability of obstructive sleep apnea
2. Compare and contrast central from obstructive sleep apnea
3. Evaluate the business systems that are necessary for successful outcomes in the treatment
4. Describe the various presentations of a patient that may be referred for the clinical evaluation
5. Compare and contrast behavioral versus medication treatment for insomnia
6. List the most common abnormal behaviors that occur during sleep (parasomnias)
7. Compare and contrast jet lag and shift work sleep disorder with advanced and delayed sleep phase syndromes (circadian rhythm disorders) in adults and children

Rotation Activities:
The trainee will see patients at the USF, VA and TGH Sleep clinics as well as in-patient consults. Trainees will participate in bedside rounds, didactic sessions, and self-directed learning activities. Furthermore, they will have a plan developed as to the diagnostic and therapeutic approach to each of these disorders.

Rheumatology Blackboard Website includes PowerPoints, links and interactive didactics for students, weekly Rheumatology conference with faculty and trainees, and Joint Injection Workshop with simulators.

Patient Encounters:
The student will have the opportunity to rotate with a variety of rheumatology faculty at sites including; USF Morsani, VA, and TGH. There are additional opportunities to have exposure to musculoskeletal ultrasound in the clinical setting.

Evaluation:
Students will be evaluated by the course director or his designee, at the end of the course, based on the clinical evaluations and by all fellows and faculty who work with them. An in-service exam will assess some of the ACGME six core competencies.

Grades are determined by: 75% clinical evaluations and 25% by final examination.

The student will receive a final evaluation from the faculty preceptor with which they were assigned at the conclusion of the experience. Evaluations will be provided to all fellows and faculty during the weekly rheumatology conference on a topic relevant to a patient seen in the clinical setting.

Syllabus:

Int Med: Int Med
Pulm: Pulm
Sleep Med: Sleep Med
MEL 7388 Intro: MEL 7388 Intro
TGH: TGH
1 - 11: 1 - 11
2: 2
0: 0
44: 44
2,4: 2,4
Anders on, William: Anders on, William
Clinical
Description:
The elective is designed to introduce students to the practice of sleep medicine in an outpatient and inpatient setting. Students will have exposure to interpretation of sleep studies and observation of the overnight recordings.

Objectives:
1. List the clinical findings that are associated with a high pre-test probability of obstructive sleep apnea
2. Compare and contrast central from obstructive sleep apnea
3. Evaluate the business systems that are necessary for successful outcomes in the treatment of patients in #1 & #2 above
4. Describe the various presentations of a patient that may be referred for clinical evaluation of insomnia
5. Compare and contrast behavioral versus medication treatment for insomnia
6. List the most common abnormal behaviors that occur during sleep (parasomnias)
7. Compare and contrast jet lag and shift work sleep disorder with advanced and delayed sleep phase syndromes (circadian rhythm disorders) in adults and children

Rotation Activities:
The trainee will see patients at the USF, VA and TGH Sleep clinics as well as in-patient consults. Trainees will have the opportunity to develop and present a video demonstrating sleep disorder and plan of care. Furthermore, they will have a plan developed as to the diagnostic and therapeutic approach to each of these disorders.

Rheumatology Blackboard Website includes PowerPoints, links and interactive didactics for students, weekly Rheumatology conference with faculty and trainees, and Joint Injection Workshop with simulators.

Patient Encounters:
The student will have the opportunity to rotate with a variety of rheumatology faculty at sites including; USF Morsani, TGH, Kaiser, and VA. Students will have the opportunity to learn and practice musculoskeletal ultrasound, physical examination, and patient education skills. There are additional opportunities to have exposure to musculoskeletal ultrasound in the clinical setting.

Evaluation:
Students will be evaluated by the course director or his designee, at the end of the course, based on the clinical evaluations and by all fellows and faculty who work with them. An in-service exam will assess some of the ACGME six core competencies.

Grades are determined by: 75% clinical evaluations and 25% by final examination.

The student will receive a final evaluation from the faculty preceptor with which they were assigned for the majority of the training. The student will be asked to present a final project during the weekly rheumatology conference on a topic relevant to a patient seen in the clinical setting.

Syllabus:
Visiting Students:

No

Special Instructions:

N/A

Int Med Pulm Med

MEL 8340 Pulmonary Disease

Click here for additional course information

TGH 1 - 11 Adult Med, Pri Care

2 0 44 2,4 Solomon, David Clinical

Contact:
Pat Oswald, Administrator
poswald@health.usf.edu

Report:
David Solomon
dsolomon@health.usf.edu

Description:

Objectives:

1. Be able to perform a history and physical examination as it relates to pulmonary disease
2. Know how to order and interpret basic laboratory tests such as chest X-rays, CT scans, arterial blood gases, and pulmonary function tests
3. Have an understanding of the common pulmonary disorders, including their diagnosis and treatment
4. Have a working knowledge of pulmonary physiology, especially as it relates to respiratory failure and the use of respiratory therapy (ventilators, oxygen, etc.)
5. Have a familiarity with a number of emergent conditions seen in the Medical Intensive Care Unit

Rotation Activities:
The student will receive training at one of our clinical institutions by evaluating patients, rounding with the consultation team, and participation in conferences. A didactic lecture series may also be given.

At TGH: The student will work as part of the pulmonary consult team. There is a separate MICU team at TGH so critical care medicine will not be a component of the TGH experience for this course.

At TVAH: The student will work as part of the pulmonary consult team. There is a separate MICU team staffed by students participating in the senior clerkship. This site is therefore unavailable for a critical care rotation.

Patient Encounters:

Evaluation:
The student will be evaluated on a daily and ongoing basis by the consult attending.

Syllabus:

Visiting Students:
Description:

Objectives:
1. Be able to perform a history and physical examination as it relates to pulmonary disease
2. Know how to order and interpret basic laboratory tests such as chest X-rays, CT scans, arterial blood gases, and pulmonary function tests
3. Have an understanding of the common pulmonary disorders, including their diagnosis and treatment
4. Have a working knowledge of pulmonary physiology, especially as it relates to respiratory failure and the use of respiratory therapy (ventilators, oxygen, etc.)
5. Have a familiarity with a number of emergent conditions seen in the Medical Intensive Care Unit (Moffitt; not at T-VAH or TGH for this course)

Rotation Activities:
The student will receive training at one of our clinical institutions by evaluating patients, rounding with the consultation team, and participation in conferences. A didactic lecture series may also be given.

At TGH: The student will work as part of the pulmonary consult team. There is a separate MICU team at TGH so critical care medicine will not be a component of the TGH experience for this course.

At TVAH: The student will work as part of the pulmonary consult team. There is a separate MICU team staffed by students participating in the senior clerkship. This site is therefore unavailable for a critical care rotation.

Patient Encounters:

Evaluation:
The student will be evaluated on a daily and ongoing basis by the consult attending.

Syllabus:

Visiting Students:

Visiting Students: No

Special Instructions:

Contact:
Pat Oswald, Administrator
poswald@health.usf.edu

Report:
Dr. David Solomon
dsolomon@health.usf.edu

Clinical
Description:
Rheumatology is a specialty in internal medicine devoted to the diagnosis and management of patients with musculoskeletal diseases. These diseases include granulomatous diseases, vasculitis, rheumatoid arthritis, psoriatic arthritis, ankylosing spondylitis, gout, osteoporosis, and osteoarthritis.

Objectives:
1. Perform a history, and musculoskeletal examination on patients presenting to the rheumatology clinic
2. Generate a differential diagnosis in the evaluation of patients presenting with common musculoskeletal complaints
3. Interpret relevant laboratory tests, and x-rays
4. List the indications for arthrocentesis in general and interpret synovial fluid analysis
5. Recognize common rheumatologic syndromes and the general principles of their management

Rotation Activities:
Participate in outpatient rheumatology clinic
Optional to participate in rheumatology inpatient consults
Attend weekly rheumatology conferences
Joint injection simulation
Opportunity for M5K ultrasound

Patient Encounters:
Evaluating this elective, the student will actively participate on the rheumatology service in the outpatient setting. Patient encounters will be conducted in conjunction with attending rheumatologists.

Syllabus:

Visiting Students:
No
Description: The rheumatology rotation will offer experience to observe and manage patients with a wide variety of rheumatic conditions. Students will learn to understand rheumatic disorders as well as the techniques of assessment, therapy and chronic and acute disease management.

Objectives: At the successful completion of this course students will be able to:

- Perform an appropriate history and physical examination on patients with common systemic rheumatic diseases.
- Recognize the clinical, laboratory, and radiographic features of the more common rheumatologic and musculoskeletal diseases.
- Understand the pathophysiology of the common rheumatologic and musculoskeletal diagnoses.
- Construct an appropriate differential diagnosis when evaluating patients with systemic rheumatic disease and other musculoskeletal conditions.
- Apply the skills and medical knowledge learned during the didactic sessions to evaluate patients in rheumatology clinics and design an appropriate differential diagnosis and diagnostic and therapeutic plans for the more common conditions.
- Develop skills of professionalism, interpersonal communication, systems-based practice, and practice-based improvement in the clinical setting.

Rotation Activities: Students will see patients on the hospital geriatric consultation service, the ambulatory primary care and outpatient rheumatology clinics, and inpatient consults. They will role-play with patients, transitions of care concerns, care plans, and their own recommendations for improvement of the system.

Patient Encounters: Ambulatory visits and inpatient consults

Evaluation: The students will be evaluated based on the ACGME competencies. Grades are determined by:

- 75% clinical evaluation
- 25% journal article presentation

Syllabus: LVH-CC 1B, 2A, 3B, 4-5, 7-11
Visiting Students: Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions: N/A

Interdepartment

| BCC 8116 Intro to Derm, Ortho, and Rheum | LVHN 4-5, 7-11 | Yr 4 Status | 3 | 4 | 40 | 4 | Ross, James | Clinical |

Description: This elective is a multi-disciplinary four-week course designed to enhance the student's competence in the recognition, evaluation, and treatment of various skin, orthopedic, and rheumatologic conditions.

Objectives:
1. Apply the skills and medical knowledge learned during the didactic sessions to evaluate patients in rheumatology, dermatology, orthopedic/sports medicine, and musculoskeletal diseases.
2. Recognize the clinical, laboratory, and radiographic features of the more common rheumatologic, dermatologic, orthopaedic, and musculoskeletal diagnoses.
3. Understand the pathophysiology of the common rheumatologic, dermatologic, orthopaedic, and musculoskeletal diagnoses.

Rotation Activities:
- Skin biopsy and suturing workshop providing hands-on experience
- Injection and aspiration workshop utilizing injection models, followed by clinical experiences to learn to perform joint injections and aspirations on patients with direct supervision
- Opportunity to become familiar with hands-on musculoskeletal ultrasound in a clinical setting
- Didactics and clinical exposure to musculoskeletal diagnostic imaging

Contact:
- Davida Leayman, LVHN DOE
  Davida_M.Leayman@lvhn.org
- Dr. James Ross
  James.Ross@lvh.com
- Dr. Ross, Rheumatology
  3080 Hamilton Blvd
  Allentown, PA
  10 am
Online and live didactics and knowledge self-checks aimed at providing a basis for increasing knowledge in these specialties serving as a great preparation for USMLE.

Patient Encounters:

Evaluation: Presentation score and faculty evaluations

Syllabus:

Visiting Students: No

Special Instructions: N/A

Interdepartmental BCC 8116 Intro to Derm, Ortho, and Rheum

USFMS 1 - 11 Yr 4 Status 6 2 40 4 Valeria no, Joanne

Intro to Derm, Ortho, and Rheum

Click here for additional course information

Contact: Jamie Cooper, PhD
jcooper8@health.usf.edu
(813) 974-2718

Clinical sites include; Morsani, USF South, Tampa General Hospital, and the James A. Haley VA Hospital

Description: This elective is a multi-disciplinary four-week course designed to enhance the student’s competence in the recognition, evaluation, and treatment of rheumatologic, dermatologic, orthopedic/sports medicine, and musculoskeletal diseases. Students are given instruction in and hands-on experience in various procedures used in each of these specialties.

Objectives:
1. Apply the skills and medical knowledge learned during the didactic sessions to evaluate patients in rheumatology, dermatology, orthopedics, and rheumatologic disease
2. Recognize the clinical, laboratory, and radiographic features of the more common rheumatologic, dermatologic, orthopedic, and musculoskeletal diseases
3. Understand the pathophysiology of the common rheumatologic, dermatologic, orthopedic, and musculoskeletal diagnoses

Rotation Activities:
1. Skin biopsy and suturing workshop providing hands-on experience
2. Injection and aspiration workshop utilizing injection models, followed by clinical experiences to learn to perform joint injections and aspirations on patients with direct supervision
3. Opportunity to become familiar with hands-on musculoskeletal ultrasound in a clinical setting
4. Didactics and clinical exposure to musculoskeletal diagnostic imaging
5. Online and live didactics and knowledge self-checks aimed at providing a basis for increasing knowledge in these specialties serving as a great preparation for USMLE.

Patient Encounters:

Evaluation: Preceptor competency based evaluations, workshop participation, Case presentation.


Visiting Students: No

Special Instructions: N/A

Interdepartmental MDC 8340 Critical Care Medicine

LVH-CC 1 - 11 Yr 4 Status 2 0 40-80 4 Schwed-Lustgarten, Daniel

Clinical

Contact: Daniel Schwed-Lustgarten
Daniel.Schwed@lvhn.org

Report to: Will be provided one week prior to the start of the rotation.

Description: This elective is designed to introduce students to the practice of medicine in an intensive care unit. Under the supervision of an attending physician, students will provide direct care to critically ill patients with the assistance of medical personnel (i.e. EMS), ER physicians, available hospital records, and interviews with the patient’s family members.

Objectives:
1. Obtain a clinical history and physical exam on a non-verbal, critically ill patient based on limited available information.
2. Compare and contrast the health needs of the critically ill patient to those encountered in the general medical ward and outpatient settings.
3. Recognize critically ill patients with shock as well as trends in vital signs and key laboratory data that identify patients with a rapidly declining, life-threatening condition or a worsening disease state that threatens a vital organ function.
4. Recognize patients with acute respiratory failure based on clinical laboratory data (i.e. blood gases) and become familiar with the basics of mechanical ventilation (invasive and non-invasive).
5. Analyze and become sensitized to end of life discussions with patients and/or family members.
6. Identify and describe the proper administration and use of the intensive care unit as a scarce and limited health care resource.

After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific knowledge and skills in the following areas.

Rotation Activities: This course will include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesia Consult ICU.

Patient Encounters:

Patient Encounters:

Evaluation: Preceptor competency based evaluations, workshop participation, Case presentation.


Visiting Students: No

Special Instructions: N/A

Interdepartmental MDC 8340 Critical Care Medicine

LVH-CC 1 - 11 Yr 4 Status 2 0 40-80 4 Schwed-Lustgarten, Daniel

Clinical

Contact: Daniel Schwed-Lustgarten
Daniel.Schwed@lvhn.org

Report to: Will be provided one week prior to the start of the rotation.

Description: This elective is designed to introduce students to the practice of medicine in an intensive care unit. Under the supervision of an attending physician, students will provide direct care to critically ill patients with the assistance of medical personnel (i.e. EMS), ER physicians, available hospital records, and interviews with the patient’s family members.

Objectives:
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3. Recognize critically ill patients with shock as well as trends in vital signs and key laboratory data that identify patients with a rapidly declining, life-threatening condition or a worsening disease state that threatens a vital organ function.
4. Recognize patients with acute respiratory failure based on clinical laboratory data (i.e. blood gases) and become familiar with the basics of mechanical ventilation (invasive and non-invasive).
5. Analyze and become sensitized to end of life discussions with patients and/or family members.
6. Identify and describe the proper administration and use of the intensive care unit as a scarce and limited health care resource.

After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific knowledge and skills in the following areas.

Rotation Activities: This course will include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesia Consult ICU.

Patient Encounters:
**Syllabus:**

**Visiting Students:**
Lehigh Valley Network on VSAS.

**Special Instructions:**
N/A

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**Contact:**
Daniel Schwed-Lustgarten
Daniel.Schwed@lvhn.org

**Report to:**
Will be provided one week prior to the start of the rotation

**Description:**
This elective is designed to introduce students to the practice of medicine in an intensive care setting. Under the guidance of medical personnel, students will learn to manage critically ill patients, focusing on gaining an understanding of their needs and the challenges associated with their care.

**Objectives:**
1. Obtain a clinical history and physical exam on a non-verbal, critically ill patient based on limited available information.
2. Compare and contrast the health needs of the critically ill patient to those encountered in the general medical ward and outpatient settings.
3. Recognize critically ill patients with shock as well as trends in vital signs and key laboratory data that identify patients with a rapidly declining, life-threatening condition or a worsening disease state that threatens vital organ function.
4. Recognize patients with acute respiratory failure based on clinical laboratory data (e.g., blood gases) and become familiar with the basics of mechanical ventilation (invasive and non-invasive).
5. Analyze and become sensitized to end-of-life discussions with patients and/or family members.
6. Identify and describe the proper administration and use of the intensive care unit as a scarce and limited health care resource.

After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific skills in applying scientific principles to the practice of medicine in the clinical management of complex illness.

**Rotation Activities:**
This course will include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesia ICU, Cardiovascular ICU, General Medicine ICU, or another ICU as determined by the program. Students will participate in simulated and real patient encounters, gaining hands-on experience with critically ill patients.

**Patient Encounters:**
Students will be evaluated by written, oral, and/or practical methods which include direct patient contact and simulation. They will also evaluate electrocardiograph (ECG) tracings through weekly quizzes to enhance interpretation skills.
Syllabus:

Visiting Students: No

Special Instructions: N/A

Interde MDC 8340 Critical Care Medici

Click here for additional course information

Contact: Jamie Cooper, PhD
jcooper8@health.usf.edu
(813) 974-2718

Report to: Class Orientation to be held on Day 1. The location will be located on Canvas.

Description: This course is a selective for USF senior medical students and will include a rotation either through a Medical ICU, a surgical ICU, or a step-down area. The students will evaluate electro-cardiograph (ECG) tracings through weekly quizzes to enhance interpretation skills.

Objectives: The goals of this fourth year clerkship are to develop an approach to the care of patients with complex, critical illness, to develop a method for assessing the appropriateness of the care, and to apply science principles basic to the practice of medicine in the clinical management of complex illness.

After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific skills with patient management, understanding and using the various forms of therapy, and outline an initial course of management for patients with serious conditions requiring critical care.

Rotation Activities: Simulations take a critically ill patient through the ER, a code, and 4-5 days in hospital covering vents, ABGs, sedation, and analgesia. Didactics include basics of mechanical ventilator, weaning from mechanical vent and sedation, and analgesia.

Patient Encounters:

Evaluation: Hospital rotations with patient encounters, simulation activities, didactics, and EKG interpret.

Syllabus:

Visiting Students:

Special Instructions: Absences, including for Step and interviews, will not be excused on days 1 or 2.
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Contact: Eduardo Gonzalez

egonzale@health.usf.edu

Report to: Eduardo Gonzalez
egonzale@health.usf.edu

Description:
This longitudinal elective would reinforce and teach the knowledge, skills and attitudes that are needed to direct a...year. The course is longitudinal, as the responsibilities of these students will continue throughout the academic year.

Objectives:
1. Develop skills to properly manage a multidisciplinary healthcare clinic
2. To form and nurture professional relationships with Moffitt, Hillsborough Health Department...
3. Understand the Business/Finance aspect of Medicine through collaboration with Dr. Marshall and the Business Scholarly Concentration.

4. Update and renew documents for Clinic Operations including the constitution, employee contracts, fundraising documents, and banking/trust fund documents.

5. Provide access to healthcare for patients of many different backgrounds with limited access.

6. Collaborate effectively with Social Work, Public Health, Physical Therapy, Nursing, Pharmacy, and the College of Medicine to provide optimum care and services in a healthcare setting.

7. Integrate meaningful community service with instruction and reflection to enrich the learning experience, teach civic responsibility, encourage lifelong civic engagement, and strengthen communities for the common good.

### Rotation Activities:

**Patient Encounters:**

By the end of the elective, students should feel competent managing a multidisciplinary healthcare clinic.

**Syllabus:**

<table>
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<tr>
<th>Visiting Students:</th>
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**Special Instructions:** Only students elected to be the student medical directors for BRIDGE will be eligible for this elective. Students must contact Drs. Lucy Guerra (lguerra1@health.usf.edu) or Eduardo Gonzalez (egonzalez@health.usf.edu) prior to scheduling.

### Contact Information:

**Contact:** Dr. Eduardo Gonzalez  
egonzalez@health.usf.edu

**Report to:** Dr. Eduardo Gonzalez  
egonzalez@health.usf.edu

**Description:** This elective is designed to strengthen the clinical and mentorship skills of senior medical students by involving them in the roles of student medical directors for the University of South Florida Free Clinics. Students will have the opportunity to participate in a research project benefiting either the clinic or the surrounding community.

### Objectives:

1. Identify the special challenges in working with under-served populations, cultural differences, and barriers to access of care.

2. Understand the unique constraints encountered by a free clinic.
3. Attain competency in formulating lesson plans and leading group sessions

4. Improve clinical body of knowledge and gain proficiency in diagnosis, management, and physical exam skills in a primary care setting

5. Collaborate with an inter-professional team in the management of patients

6. Become familiar with community resources and their contributions to patient well-being

**Rotation Activities:**

1. **Weekly Clinics:** The clinical mentors are expected to attend a minimum of 15 clinic nights. During clinic, they will lead a medical team and be expected to teach their lowerclassmen appropriate physical exam and diagnosis skills.

2. **Clinical Teaching Sessions:** The clinical mentors will be expected to formulate and prepare small group sessions. These sessions will include clinic flow, interview tactics, physical exam skills, and discussion of common complaints seen in clinic.

3. **Research Project:** The clinical mentors will have the option to collaborate with directors and staff on an ongoing or conceptually developed research project. This project may be developed to allow for submission of an abstract to the Society of Student-Run Free Clinics' Annual Conference.

**Patient Encounters:**

Clinical mentors will be evaluated based on punctuality, professionalism, respectfulness and engagement in teaching.

**Syllabus:**

BRIDGE Clinical Mentor Longitudinal Elective Syllabus RVSD222016.pdf

**Visiting Students:**

No

**Special Instructions:**

Any student interested in taking the longitudinal BRIDGE Clinic elective will need to apply prior to registering. For applications, contact Dr. Gonzalez.

**Contact:**

Donald Levick, MD, MBA
Donald.Levick@lvhn.org
484-862-4115
Chief Medical Information Officer
Diplomate, Clinical Informatics, ABPM

Latoya Mitchell
Latoya.Mitchell@lvhn.org
484-862-4143
Administrative Support to the Office of the CMIO

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Interdepartmental rotations: MDE 8080 Medical Informatics

Visit the Medical Informatics website for additional course information.

---

**Yr 4 Status**

| 1 | 0 | 40 | 2,4 |

Donald Levick, MD, MBA
Description:
This elective will be an introduction to Medical Informatics. The elective will include a combination of didactic presentations and practical experiences in the use of information devices and technologies. The student activities will be coordinated through the CMIO (or his/her designee).

Objectives:
1. State and understand how the discipline of clinical informatics intersects with and influences the three domains of clinical care, local and national healthcare systems, and information and communications technologies
2. Understand the role of informatics in population health and value-based care
3. Describe the various roles of a clinical informatician in the healthcare setting
4. Recognize the specific tasks involved in the design, implementation and support of clinical information systems
5. Assess the clinical content of CIS and apply change management techniques to develop evidence-based improvements
6. Participate in simple projects with faculty mentors in health informatics, optimization of electronic health record systems, using data analysis techniques for research/quality improvement
7. Recognize database structures and translate data into useful business intelligence tools

Rotation Activities:
Students will be expected to:
1. Meet with scheduled personnel based on mutually agreed upon schedule and locations
2. Attend and participate in various meetings both internal and external to Information Services and the CMIO Group
3. Perform self-study activities as outlined in syllabus
4. Complete a mutually agreed upon research or development project (4 week elective only)

Patient Encounters:
Evaluation will consist of ongoing appraisal of the student’s ability to assimilate the knowledge presented (both through didactic presentations and practical experiences), and will be determined at the beginning of the rotation; and assessment of those deliverables will be used in the evaluation.

Syllabus:
Clinical Informatics Syllabus.pdf

Visiting Students:
No

Special Instructions:
Any interested student must meet with Dr. Levick to discuss goals of the elective and determine if appropriate, and the expected length of the elective. This should occur prior to start of elective.
Description: This elective is designed to introduce students to the art and science of simulation in healthcare and how to utilize simulation for curriculum as it pertains to simulation, design and develop cases to meet course objectives and implement a simulation.

Objectives:
1. Describe principles of adult learning and experiential learning theories
2. Describe key concepts of teaching with simulation and how to incorporate simulation into curriculum
3. Compare teaching with simulation versus assessing with simulation
4. Describe the various types of simulation modalities and how to choose the modality to best meet course need
5. Review simulation curriculum from a student perspective and design
6. Design and develop an interprofessional simulation course including simulation cases, SP
7. Discuss effective debriefing and apply techniques to practice cases
8. Discuss the effective use of video debriefing
9. Discuss using standardized patients when building simulations and how to utilize the standardize patient for evaluations
10. Discuss utilizing moulage to add realism to simulation

Rotation Activities:
1. Students will meet with the members of the interdisciplinary simulation team.
2. Students will observe simulations in the sim center and in situ.
3. Students will observe the use of different simulation modalities.
4. Students will complete weekly reflections.
5. Students will develop and present a final project.

Patient Encounters:
N/A

Evaluation:
Students will be evaluated by the course director at the end of the course based on professionalism, reflections, and a final project. The simulation staff and faculty will provide formative and summative evaluations throughout the course.
Visiting Students:

Special Instructions:

Any interested student MUST meet with Amy Smith, PhD to discuss individual goals for applying for a simulation in health.

Interdepartmental Medicine Elective

Contact:

Dr. Lucy Guerra
lguerra1@health.usf.edu

Dr. Asa Oxner
aoxner@health.usf.edu

Dr. Oxner will be responsible for the evaluations and mentorship of quality improvement projects.

Report to:

Description:
This elective allows third and fourth year medical students to gain experience in delivering medical care to the homeless and underprivileged. Students will participate in medical staff at TBSM service events, including street runs, clinics, and the mobile medical clinics.

Objectives:

1. Work as medical staff at TBSM service events, including street runs, clinics, and the mobile medical clinic.

2. Mentor underclassmen during clinic hours.

3. Participate in ongoing rapid cycle quality improvement related to the mobile medical clinic.

Rotation Activities:

1. Mobile Clinic: Students are expected to volunteer on the mobile clinic Monday through Friday, both morning and afternoon.

2. Weekly Service Events: TBSM holds a free clinic at the First Presbyterian Church (412 E Zack St, Tampa, FL 33602) on Saturday. Students will work from 9 a.m. to 1 p.m., completing the patient encounter process, managing time, and ensuring documentation for each patient.

3. Research Project: Students will contribute to an ongoing research project that is directly related to the TBSM mission.

Patient Encounters:

Patient encounters will occur with the medical van, see attached sample calendar.

TBSM Medical Van Sites.pdf
Evaluation:
Students will be evaluated based on punctuality, professionalism, participation in all scheduled clinical duties and patient care. A PASS grade will be given to students who attend and participate at all scheduled clinical duties. A PASS+ grade will be given to students who meet criteria for a PASS grade and also demonstrate outstanding performance in clinical duties and research.

Syllabus:

Visiting Students:
Yes.
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
N/A

Interdepartmental Course Information:

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Contact:
Leigh-Anne Piechta, DO
Leigh-Anne_B.Piechta@lvhn.org

Report to:
Will be provided one week prior to the start of the rotation

Description:
This elective is designed to introduce senior student to the practice of Physical Medicine and Rehabilitation. Students will participate in Patient Care within the Inpatient Rehab Centers at Cedar Crest and the Muhlenberg campuses. The objective is to present how patients on acute care are evaluated and how determinations about disposition are made.

Objectives:
1. Observe how patients on acute care are evaluated and how determinations about disposition are made.
2. Follow a patient through admission on the inpatient acute rehabilitation unit. Monitor their progress and participate in team meetings.
3. Become familiar with reading notes written by physical, occupational, and speech therapists.
4. Learn how determinations of dispositions upon discharge from acute inpatient rehabilitation are made.
5. Understand Functional Independence Measure and how it is used in Acute Rehabilitation.
Patient Encounters:

Students will be evaluated by course director at the end of the course. The grade will be based on evaluations of the faculty who worked with them.

Syllabus:

I. Rationale:
   Introduce medical students to postacute care.

II. Course Aims and Outcomes:
   Aims
   Understand which patients are appropriate for acute rehab vs. LTACH vs. SNF. Understand
   treatment plans and interventions for patient on rehab. Work as a team to improve patient quality of life. Discharge patient to appropriate level of care.

III. My Assumptions
   Students should have basic physical exam skills and basic knowledge of the diagnoses seen.

IV. Course Requirements:
   1. Students are expected to be present at agreed upon time at agreed upon location.
   2. Students are expected to respect colleagues and patients.

Visiting Students:
No

Special Instructions:
N/A

Contact:
Dawn Yenser
Dawn.Yenser@lvhn.org
(484) 884-2489

Report to:
Will be provided one week prior to the start of the rotation.

MDE
8714 Intro
to Medical
Toxicology
LVHN 2 - 5, 7 - 11 Yr 4 Status 1 0 40 4
Cook, Matthew

Click here for additional course information
Description: Medical Toxicology is best described broadly as the field of medicine with expertise in the health effects caused by hazardous materials exposures and workplace hazards. Toxicologists oversee the clinical operations of a Poison Center.

Objectives:

1. Become familiar with fundamental concepts underpinning the clinical management of Toxicological patients. Understand the principles, methods and controversies related to limiting toxic exposures and decontamination (including gastric lavage, activated charcoal administration, renal replacement therapy, ion trapping, and hyperbaric oxygen).

2. Review knowledge of basic kinetic principles of drug absorption, redistribution, metabolism, and elimination.

3. Study poisoning epidemiology specifically within populations ‘at risk’ such as toddlers, the elderly, pregnant or nursing women, migrants and immigrants.

4. Complete case studies from approximately 20 classes of drugs and poisons commonly encountered in clinical practice. Emphasis will be placed on assessing severity and initiating timely, appropriate treatment.

5. Learn guiding principles of the management of acute intoxication in the Emergency Department. Understand the public health role of the Poison Center.

6. Become familiar with selected antidotes, their uses, doses, side effects and limitations.

7. Develop awareness for important agents of toxicology (naturally occurring toxins). These include plant and animal toxins, especially focusing on native venomous arthropods, reptiles and marine creatures.

8. Understand diagnostic toxicology laboratory techniques, limitations and costs of both qualitative and quantitative analyses.

9. Observe the clinical operation of a Poison Center. Understand the public health role of the Poison Center.

10. Complete case studies from approximately 20 classes of drugs and poisons commonly encountered in clinical practice. Emphasis will be placed on assessing severity and initiating timely, appropriate treatment.

Rotation Activities:

1. A mandatory orientation is to be attended by the student in the first few days of the rotation.

2. Observation and participation in telephone consultations at LVHN Poison Information is expected. Students will review cases referred for medical treatment and other cases of interest.

3. A series of standard cases accompanies independent reading assignments. Expect about 20-24 hours of small group discussion.

4. Attendance at a variety of teaching rounds and meetings will be required.

5. Participation in inpatient consultations is expected. Volumes of patients are variable month to month. Students should keep a record of all patients encountered.

6. Students will be expected to prepare two 10 minute presentations on a pre-approved topic of their choice to be shared in small group and be of narrow scope and of sufficient quality to be included in the rotator’s teaching files for future students to use.

7. Guided tours of the toxicology laboratory and other field trips may be available.

8. The opportunity to conduct clinical or laboratory research, construct toxicology teaching materials, or to write a review paper for publication is encouraged and is available by arrangement in advance of the rotation.

Patient Encounters:

Evaluation:

1. Case study preparation will be assessed during discussions with the medical toxicologist.

2. Attendance at conferences and assigned poison center shifts will be counted in the evaluation.
3. A written test is administered at the end of the month.

4. For special arrangements involving research, writing or teaching, quality and completion of the project will contribute to the grade.

5. Input on professionalism and participation will be solicited from the Poison Center staff.

**Syllabus:**

**Visiting Students:**
Lehigh Valley Network on VSAS.

**Special Instructions:**
N/A

<table>
<thead>
<tr>
<th>Interdepartment</th>
<th>MDE 8920 SELECT 4</th>
<th>LVHN 1A, 10B</th>
<th>Yr 4 Status</th>
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<th>0</th>
<th>40</th>
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<th>Greenberg, Marna</th>
<th>SELECT</th>
</tr>
</thead>
</table>

**Contact:**
Brian Fisher
610-402-2596
Brian.Fisher@LVHN.org

**Rotation:**
SELECT 4 will occur throughout the year and will consist of two formal teaching blocks called Prologue at the beginning... include IHI web-based modules and three domain-associated activities with their concomitant written reflections.

**Objectives:**
1. Facilitate students' identification of strengths and specific areas for leadership and professional development.
2. Describe responsibilities and roles of medical students and physicians as leaders and change agents in medical education and in the evolving healthcare environment.
3. Gather formative and summative assessments of students' clinical skills that incorporate...

**Rotation Syllabus:**

**Patient Encounters:**
N/A

**Evaluation:**
At the end of the course, students will be expected to:

2. Acquire and become skilled at the use of reflection and other life-long learning and assessment methods that can be used to further develop emotional intelligence post-medical school.

3. Demonstrate further skilled interactions with patients, their families, and other healthcare professionals in challenging clinical situations through standardized patient encounters and other learning and assessment modalities.

4. Demonstrate knowledge and skills in health systems, processes related to optimizing patient care and outcomes.

Syllabus:

Visiting Students:

Special Instructions:

Interdepartmental MDE 8942: Clinical Enrichment Elective

Click here for additional course information

Contact: Vinita Kiluk
   vkiluk@health.usf.edu

Dawn Schocken
   dschock1@health.usf.edu

Report to: CAMLS after having received the schedule from the course director

Description:
Faculty will work with each student to design a curriculum to develop advanced proficiency in the various clinical settings, study aides, and professional expertise to allow students to work on competency based clinical skills.

Objectives:
At the end of this elective the student will (depending on the initial goals of the students from the course):

1. Demonstrate proficiency with presentations based upon a validated assessment tool

2. Discuss the process to efficiently conduct a chart review

3. Display confidence and assertiveness when developing a management plan for the patient

4. Analyze their improvements in their communication skills

5. Document an improvement in the flow of their history taking

6. Document an improvement in the flow of their physical exam
Rotation Activities:

Students will participate in this elective in the CAMLS, seeing standardized patients, observing videos, participating in discussions, and developing experience in electronic charting. Occasionally students will practice in the clinical outpatient setting.

Patient Encounters:

Students will be evaluated using checklists to provide a 360-degree review of their performance - the student will complete a self-assessment and have their performance evaluated by peers and supervisors. Students will also reflect on what they have accomplished during the elective and what they plan to continue to work on as lifelong learners.

Syllabus:

Visiting Students:

No

Special Instructions:

Any student who wishes to complete this elective will need to meet with either Dr. Vinita Kiluk or Dawn Schocken to confirm elective availability and so that they can match student needs to the available resources.

Interdepartmental MDE 8950

SELECT Capstone

Click here for additional course information

Contact:

Angela Davis
Angela.Davis@lvhn.org
(610) 402-2316
Bryan Kane, MD
Bryan.Kane@lvhn.org

Description:

This is a required course for all SELECT students. It will consist of a Project that results in scholarly output. This Project will be given the equivalent of four-weeks of credit for this course. Students must be enrolled by day one of their fourth year.

Objectives:

The overriding goal of this course is to provide an academic opportunity for students to explore a SELECT competency that is both interesting to them and critical to their future practice of medicine. The specific objectives are to:

1. Further develop self-directed learning, evaluative and critical reasoning skills through the design, execution, and reporting of a Project
2. Through the work on the Project, integrate an in-depth understanding of one or more SELECT domains into medical care
3. Experience the modalities of academic reporting, after development and submission of a Proposal which includes the project proposal, research plan, and a paper. These modalities should be of a quality appropriate for both professional submission and university archiving.

Rotation Activities:

1. Mentor Contract
2. Proposal
3. Check Ins
4. Abstract
5. Poster
6. Oral Presentation
7. Final Paper

**Patient Encounters:**

**Evaluation:** At the end of this course, students will be expected to have an in-depth knowledge and expertise in areas of leadership, patient centered care, or health systems and health policy.

**Syllabus:** Provided via email and Canvas. Contains important information, dates, and grading rubrics.

**Visiting Students:** No

**Special Instructions:** N/A

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**Interdept**  | **MEL**  | **EXT** | **Yr 4** | **Status** | **Jain, Sweety** | **Clinical**
---|---|---|---|---|---|---
7267S | International Health | 9 | 3 | 0 | 40 | 
SELECT

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**Contact:**

Sweety.Jain@lvhn.org

**Report to:**

Sweety.Jain@lvhn.org

**Description:**

This elective has been designed to provide students opportunities to further explore the SELECT competencies of women's economic empowerment through Micro Finance Banking Programs and agricultural programs. Students will be exposed to health care disparities at an international level through immersion in a different and unique health care system or system improvement project based on individual interest and experience (with a focus on the SELECT competencies).

**Objectives:**

1. To be exposed to a different culture and health care system in a developing country
2. To experience teamwork through collaboration with students from different countries and local health care professionals all working towards the same goals (Team Effectiveness and Communication)
3. To compare and contrast the health care systems in India and USA (Health Systems and Health Disparities)
4. To identify the general needs of the local population through an immersion experience (Population centered experience) and develop cultural humility

Rotation Activities:
Students will be required to complete pre-work for the elective which will include readings, discussion, and lectures on common health problems and their presentation in a different cultural context. Students will also be required to submit a detailed journal entry each week reflecting on their individual practice or system improvement project and also a summary of their entries into their journaling.

Patient Encounters:
As required by the host institute

Evaluation:
Students will be evaluated by the course director at the end of the course based on their pre-work, reflections, and journal entries. Students will also be asked to complete a satisfaction survey of the experience and how they will use what they learned from the experience.

Syllabus:
As required by the host institute

Visiting Students:
No

Special Instructions:
Due to the funding provided for this elective through the SELECT Medical Education Fund, it is only offered to SELECT students. The funds will cover the airfare, visa and registration fees. All additional expenses (expenses related to the host institute's requirements, travel immunization, etc.) are the responsibility of the students. All necessary paperwork needs to be completed as required. Students selected for this elective will be required to communicate promptly as needed. Cultural humility and effective communication are the cornerstones of success of this elective. Emergency medical insurance is required for all electives abroad.

Contact:
Dr. Ryan Naughtin
rnaughti@health.usf.edu

Report to:
This course has unique locations for each activity.

Description:
This senior medical student elective is intended to teach the practical and theoretical medical skills necessary to practice medicine in the field. Students will spend time outdoors in various locations, learning medical skills in real-world situations. This will also be ample opportunities for students to present outdoor medicine topics to peers and junior medical students.

Objectives:
1. Practice medical skills to be used in situations outside of the hospital setting
2. Gain knowledge of medical conditions related to various outdoor environments and activities
3. Develop understanding of emergency and disaster response systems
4. Increase students’ ability to present medical information to peers

<table>
<thead>
<tr>
<th>Interdepartmental Elective</th>
<th>MEL 8132 Outdoor Medicine Elective</th>
<th>USFMS Yearlong Status</th>
<th>No Limit</th>
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<td>Click here for additional course information</td>
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Click here for additional course information
5. Gain practical outdoor recreational skills and exposure to local resources

Rotation Activities:

"No Lifeguard on Duty" held at Ben T. Davis Beach and learn about Basic Water Rescue and .

“Hillsborough River Half Marathon” providing First Aid to race participants

"A 3-Hour Tour" held on an island in the Tampa Bay and learn about Seafood Toxidromes wh

Patient Encounters:

Students will be evaluated by the course director at the end of the course based on attendan.

Syllabus:

Visiting Students:

Specialty elective from April through May. Activities are usually held on Saturdays,

Interdepartmental Course:

MDE 8040 Medical Spanish

USFMS Yearlong Yr 4 Status 12 0 4 44 Callegari, Carlos

Carlos C. Callegari V. MD MEd DMSc FAAP

Professor, Department of Pathology and Cell Biology

callega@health.usf.edu

(813) 974-3177

Description:

This yearlong online course is designed to help students reduce their communication and cu

Objectives:

1. Increase cultural awareness and sensitivity to improve and facilitate more successful bi-cu

2. Increase medical Spanish vocabulary for a variety of common clinical scenarios

3. Develop an initial rapport to initiate communication with Spanish speaking patients with L

4. Take a basic medical history and provide the appropriate basic instructions for performing
**Rotation Activities:**
- Online and face-to-face pre-assessment test, Online and interactive learning modules

**Patient Encounters:**
- N/A

**Evaluation:**
- Online Course Final Assessment - 60%
- Faculty Supervisor Evaluation (on overall improvement, commitment, and verbal skills) - 40%

**Syllabus:**
- Provided before the course

**Visiting Students:**
- No

**Special Instructions:**
- Prior approval and online course log-in required. Students must be accepted into the course, and must complete an online pre-assessment test. In-person or Skype face to face final assessment (in-person or Skype), that may include OSCEs or other educational strategies.

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**Interdepartmental Information**

<table>
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<tr>
<th>Interdept</th>
<th>MDE 8044 Int'l Medical Spanish/Culture</th>
<th>EXT</th>
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<th>Callegari, Carlos</th>
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</thead>
</table>

**Contact:**

Carlos C. Callegari, V. MD MEd DMSc FAAP
Professor, Department of Pathology and Cell Biology
ccallega@health.usf.edu
(813) 974-3177

Eduardo Gonzalez, MD, FAAFP
Associate Professor, Department of Family Medicine
egonzale@health.usf.edu
(813) 974-2201

**Report to:**
- Will be provided one week prior to the start of the rotation.

**Description:**
- This elective is designed to provide USF Medical Students an opportunity to participate in an established international medical Spanish cultural course.

**Objectives:**
1. Students will be able to establish communication in Spanish to the degree of:
a. Understanding a patient’s needs for seeking health care and obtaining their reason for the
b. Conducting basic medical interviews and being able to characterize the signs and symptoms
c. Being able to communicate requests when performing a general physical examination
2. Students will understand the differences between various clinical settings in the country visited.
3. Students will compare medical problems and health needs from local population with the
4. Students will understand and be sensitive to local, family, and cultural values and be able to

Patient Encounters:

Evaluation:
1. Performance obtaining a clinical medical history in Spanish which may be conducted in an
2. A written report on the learner’s experience
3. Informal presentation to the course directors on their experience as it relates to the cultural

Syllabus:

Visiting Students:

Special Instructions:
Interested students should sign up no later than 6 months prior to the course. Students should also plan to schedule a meeting with Drs. Callegari or Gonzalez to review the requirements no later than 6 months prior to the course.

Emergency medical insurance is required for all electives abroad. For all International requirements, please contact the USF Health Office of International Affairs.
<table>
<thead>
<tr>
<th>Ten encounters:</th>
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<tr>
<td>Evaluation:</td>
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<tr>
<td>Syllabus:</td>
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<tr>
<td>Visiting Students:</td>
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<tr>
<td>Special Instructi</td>
</tr>
</tbody>
</table>
Interdepartmental Education: Becoming the Physician Educator

Contact: Dr. Vinita Kiluk

vkiluk@health.usf.edu

Dawn Schocken
dschock1@health.usf.edu

Report to: CAMLS after schedule has been created by the course director.

Description: This elective is designed to introduce senior medical students to the role of the physician educator, a clinical faculty member who is responsible for the educational component of patient care. The course will provide students with the opportunity to develop essential skills for teaching in interprofessional and academic settings. Students will learn to design, implement, and evaluate educational sessions, focusing on the essentials of teaching in interprofessional educational sessions, at the bedside as well as in large and small groups.

Objectives: At the end of this elective, the student will be able to:

1. Demonstrate an understanding of the role of an academic physician in the pre-clerkship curriculum
2. Analyze how to integrate basic science teaching in the clinical setting
3. Examine and demonstrate the concepts of bedside teaching
4. Compare effective teaching methods/strategies, feedback/evaluation strategies, and approaches to dealing with difficult learners
5. Create a session incorporating measurable goals and objectives for a course
6. Demonstrate an understanding of collaboration with pre-clerkship faculty to teach MS1 and MS2 students effectively in small group, and large group active learning settings
7. Deliver an effective basic science lecture, which integrates active learning principles into the sessions

By the end of this elective, the student will have a better understanding of the basic principles of teaching and be able to demonstrate effective teaching techniques.

Rotation Activities: We will work together to create a curriculum/teaching module that will be used during our sessions with undergraduate medical students. We will walk through the process of creating the module from creating objectives to creating an effective assessment tool.

Patient Encounters: USFMS 10 Yr 4 Status 10 0 40 4 Kiluk, Vinita
Evaluation:

Active participation in teaching seminars

Active collaboration with instructors to develop teaching materials

Delivery of a well-researched lecture and well-researched small group session

Syllabus:

Visiting Students:

Special Instructions:

Submit a brief email to one of the faculty prior to signing up for this elective indicating any specific block you wish to attend and any personal goals that you hope to achieve during this elective. Registration requires permission of the course director(s).

Objectives:

1. Demonstrate the practice of good clinical and small group medical school teaching
2. Apply the theory of adult education to their small group teaching
3. Reflect on teaching experiences in written and verbal media
4. Deliver effective feedback to students and peers

Rotation Activities:

1. Students will attend seminars that introduce them to education pedagogy and effective teaching techniques.
2. Students will also teach for a minimum of 90 hours in the College of Medicine co-facilitating Doctoring 1, 2, and 3 small groups, or the CAMLS experience, with senior faculty.

Contact:

Jamie Cooper, PhD
jcooper8@health.usf.edu
(813) 974-2718
3. With senior faculty, students will practice assessing the learning activities of underclassmen.

4. Students will reflect and write on their teaching experience.

**Patient Encounters:**

**Evaluation:**

At the end of the elective, students should feel competent to teach in both small group and clinical teaching settings. Students will receive feedback from the course director, faculty mentors, and peer evaluation.

**Syllabus:**

*Doctoring IV syllabus 2017_18_Catalog.pdf*

**Visiting Students:**

*Visiting students must meet with the course director and obtain approval before registration.*

<table>
<thead>
<tr>
<th>Molec Med</th>
<th>BMS 7260 Research in Molecular Med</th>
<th>USFMS</th>
<th>None</th>
<th>4</th>
<th>0</th>
<th>44</th>
<th>2.4</th>
<th>Faculty Research</th>
</tr>
</thead>
</table>

**Contact:**

- Dr. Burt Anderson
  - banderso@health.usf.edu
  - (813) 974-2608

- Michael Ramsamooj
  - mramso@health.usf.edu
  - (813) 974-9573

**Description:**

The student will undertake a specific research project in collaboration with one of the faculty and will participate in relevant course activities for the yearlong course.

**Objectives:**

The objective of this course is to introduce the student to modern methods and concepts of biomedical research.

**Rotation Activities:**

1. Identify a research project that is agreed upon by the student and the PI
2. Design the study
3. Perform the necessary studies
4. Analyze the data

**Patient Encounters:**

Evaluation of the student will be based on the mastery of a set of research techniques, the use of these techniques to investigate a research problem and the collection, evaluation, and interpretation of these experimental findings.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

<table>
<thead>
<tr>
<th>Molec Med</th>
<th>Indep Study-Molecular Med</th>
<th>USFMS 1 - 11</th>
<th>None</th>
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<tbody>
<tr>
<td>Molec Pharm Physio</td>
<td>BMS 7464 Research in Pharmacology</td>
<td>USFMS 1 - 11</td>
<td>None</td>
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<td>Cuevas, Javier</td>
<td>Research</td>
</tr>
</tbody>
</table>

**Contact:**

Cuevas, Ph.D.
Professor and Associate Chair
jcuevas@health.usf.edu
(813) 974-1545

**Report to:**

Faculty supervisor

**Description:**

This elective will provide experiential learning in pharmacology research.

**Objectives:**

The primary objective of this course is to introduce the student to the research environment. The focus is directed to the unique needs of each student's interest and the concurrence of the faculty. Enrollment, dates, and duration of the course are by arrangement.

**Rotation Activities:**

Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Develop hypothesis-driven research plan
2. Master specific research methodologies, such as biochemical assays, fluorescent imaging
3. Compile and analyze data
4. Develop tables and figures based on data
5. Derive conclusions and present data via verbal and/or written communication

Patient Encounters:

Evaluation will be based on a short paper or oral exam to be determined by arrangement with

Syllabus:

Visiting Students:

Special Instructions: Approval, dates, and duration of course must be arranged with a faculty mentor prior to registration.

<table>
<thead>
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<th>Molec Pharm Physio</th>
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<th>MEL 9999D Indep Study - Pharmacology</th>
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| Molec Pharm Physio | Physio | BMS 7560 Research in Physiology | USFMS | 1 - 11 | None | 4 | 0 | 44 | 2,4 | Dominquez-Rieg, Jessica | Research |

Contact: Dominguez-Rieg, Ph.D.
Assistant Professor
jdominguezrieg@health.usf.edu
(813) 974-4542

Faculty Supervisor

Description: This elective will provide experiential learning in physiology research.

Objectives: The primary objective of this course is to introduce the student to the research environment.
Rotation Activities:

Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Develop hypothesis-driven research plan
2. Master specific research methodologies, such as biochemical assays, fluorescent imaging
3. Compile and analyze data
4. Develop tables and figures based on data
5. Derive conclusions and present data via verbal and/or written communication

Patient Encounters:

Evaluation:

A written report will be required.

Syllabus:

Visiting Students:

Special Instructions:

Approval, dates, and duration of course must be arranged with a faculty mentor prior to registration.

<table>
<thead>
<tr>
<th>Molec Pharm Physio</th>
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<tr>
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</tr>
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</table>

Contact:

Shereena Farrington
Neurology Education Coordinator
sfarring@health.usf.edu
(813) 974-4142

Report to: Marzena Wiranowska’s office
Contact Dr. Wiranowska prior to start of rotation at mwiranow@health.usf.edu

Description: A 2-week elective for fourth year medical students under the supervision of Dr. Marzer.

Objectives: Students will appreciate the role that the immune system plays in many neurological conditions, including:

1. Students will learn about recent basic scientific advances in immunology and how these discoveries may translate into clinical therapies.
2. Students will appreciate the process of translating scientific discovery to bedside treatment.
3. Students will learn how to do a literature review and how to critically examine and interpret scientific literature.
4. Students will produce a final project examining the role of the immune system in a neurological disease.

Rotation Activities: Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will meet with the Course Director (Dr. Wianowska) prior to and at the start of the rotation to delineate a topic of interest from the 'List of Major Topics'.
2. In conjunction with the Course Director, students will perform an in-depth literature review on the role of neuro-immunologic therapies in the disease they have chosen to focus on.
3. Students will attend journal clubs and seminars, under the direction of the Course Director, pertaining to their topic of interest.
4. Students will attend outpatient neurology clinics tailored to the disease process they are studying (i.e., neuroimmunology/MS clinic, movement disorders clinic, neuro-oncology clinic, etc.).
5. Students will produce a final scholarly project based on their research to be presented to the course faculty at the conclusion of the 2-week rotation.

Patient Encounters: Students will spend ~50% of their time in outpatient neurology clinics of their choosing, where they will have exposure to patients with neurological conditions which have proven or suspected immunological etiologies.

Evaluation: Students on this rotation will be evaluated through the following methods:

1. Clinical history taking and physical examination skills will be evaluated by the Attending and weekly feedback will be given.
2. Home reading assignments may be given and assessed by the Course Director and clinical preceptors.
3. Students will be required to present a final project (usually in the form of a power point presentation) to the course faculty.
4. The student’s final grade will be based on evaluations from their clinical preceptors and the course faculty’s evaluation of their final project.

Please outline when and how the learners will receive feedback on their performance:

1. They will get weekly assessments of their performance from the clinical faculty and the Course Director.
2. They will also get feedback and final assessment at the end of the rotation by the course director.

Syllabus:

Visiting Students:

Special Instructions:
The Physical Medicine and Rehabilitation/Physiatry elective is intended to allow students the opportunity to develop and expand their knowledge of the physiatry discipline. The main focus of this rotation will be musculoskeletal medicine and rehabilitation including but not limited to fluoroscopically guided interventional procedures and electro diagnostic testing (EMGs).

Objectives:

At the completion of this clinical rotation, students will be able to:

1. Complete a thorough History of Present Illness
2. Evaluate for risk factors contributing to current injury/illness
3. Perform complete musculoskeletal examination of patients
4. Use imaging appropriately in the evaluation of musculoskeletal injury/illness
5. Develop familiarity and comfort with medications used to mitigate illness/injury
6. Develop familiarity with Interventions such as epidural injections, radiofrequency ablation, and the use of these interventions in treatment plans
7. Develop treatment plan according to best practices

Rotation Activities:

1. Students will participate in the outpatient Physiatry clinics & the Inpatient Rehabilitation Facility.
2. Students will follow the schedule created for the attendings and nurse practitioner with whom they work. They will have an opportunity to customize a unique schedule to provide exposure to areas of interest.
3. Care is provided at LVHN Cedar Crest and Muhlenberg locations treating patients from early adulthood to geriatric ages.
4. Students are expected to observe, perform selected history and physical evaluations, and learn about certain procedures appropriate for the Physiatry setting. All such procedures will be under the direct supervision of the attending physician.

Patient Encounters:

Evaluation objectives will be provided. Evaluation will be based on attendance and demonstration of educational objectives.
## Syllabus:

### Visiting Students:

No

### Special Instructions:

N/A

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<tr>
<td>MDE 8580 Intro to Physical Med &amp; Rehab</td>
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</tr>
</tbody>
</table>

**CoWennetto rotation, contact:**

Sarah McCauley  
*samccaul@health.usf.edu*  
*(813) 974-1469*

A Chief Resident will be assigned to handle on site specifics.

TBI  
*Faiza.Humayun@va.gov*

General Rehab  
*Joseph.Standley@va.gov*

EMG  
*Hung.Tran2@va.gov*

SCI  
*Samantha.Mendelson@va.gov*

**Report to:**  
James A. Haley VA  
SCI/Polytrauma Building  
3rd floor, PMR Residency Suite  
Area C Room 379 (maps will be provided)
This elective will provide the medical student with a broad and comprehensive educational experience in Physical Medicine and Rehabilitation. Students will spend a week in each area – TBI, General Rehab., EMG and SCI.

Objectives:

- Enable the student to become skilled in functional evaluation and anatomic correlation of pain and motion problems.
- Gain experience in the care of rehabilitation problems.
- Gain insight into the diagnosis of acute pain problems.
- Recognize a conservative treatment model for acute pain problems.
- To acquire experience in the management of patients with traumatic brain injury.
- To understand the role of the rehabilitation team in the management of patients with TBI.
- To gain experience in the neurologic examination of patients with motor and cognitive deficit.
- To acquire experience in the management of patients with Spinal Cord Injury.
- To understand the role of the rehabilitation team in the management of SCI.
- To gain experience with the neurologic examination of patients with SCI.

Rotation Activities:

Instruction in the evaluation and rehabilitation of a wide range of medical disability conditions including the care of those patients with disabilities. This will benefit all medical students regardless of their primary area of interest.

Patient Encounters:

Educational objectives will be provided. Evaluation will be based on attendance and demonstration that the educational objectives have been met.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

N/A

Click here for additional course information

| Neurology | MEL 8671 Elect in Inpatient Gen Neuro | LVHN | Yr 4 Status | 1 | 0 | 40 | 2.4 | Varrato, Jay | Clinical |
Contact: Hotchkiss
Laura_L.Hotchkiss@lvhn.org
(484) 884-8964

Report to: 1250 Building, 4th Floor
Neurology Department
Monday at 7:15 AM

Description: The elective is under the supervision of a Neurology attending. Students become an integral part of a team that cares for patients with various neurological diseases. There are opportunities for participating in research projects.

Objectives:
1. Master skills in obtaining neurological history and examination
2. Actively participate in discussing differential diagnosis
3. Learn to create a comprehensive management plan
4. Become familiar with Neurology beyond the core requirements
5. Gain more independence in dealing with neurological patients
6. Develop readiness for transition into residency
7. Learn to perform lumbar punctures
8. Learn basics of EEG and EMG/NCS

Upon completion of this elective, students should understand the principles of diagnosis and management of general neurological disorders.

Rotation Activities:
1. Students will perform consults and evaluations of inpatients under direct supervision of attending and residents.
2. Students will care for their own panel of patients under supervision of attending and residents.
3. Students will present at morning report and case conference.
4. Students will accompany their patients to different tests such as EEG and EMG.
5. Students will participate in daily rounds on inpatients.

Patient Encounters:

Evaluation: Students will be evaluated by the course director at the end of the course, based largely on clinical evaluations completed by all residents and faculty who work with them.

Syllabus:

Visiting Students: Lehigh Valley Network on VSAS.
**Special Instructions:**
Prior approval of Dr. Varrato is required before scheduling this elective.

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**Contact:**
Shereena Farrington
Neurology Education Coordinator
sfarring@health.usf.edu
(813) 974-4142

**Report to:**
TGH, 9th Floor
Room 941-A
Monday at 7:00 AM

**Description:**
The elective is under the supervision of Dr. Rebecca Hurst. During this rotation, students will become an integral part of a team that cares for patients with various neurological diseases and be expected to function at the sub-intern level.

**Objectives:**
1. Master skills in obtaining a neurological history and examination
2. Actively participate in discussing differential diagnosis
3. Learn to create a comprehensive management plan for patients presenting with common neurological conditions
4. Learn how to manage patients presenting with neurological emergencies
5. Become familiar with Neurology beyond the core requirements
6. Gain more independence in dealing with neurological patients
7. Develop readiness for transition into residency
8. Learn to perform lumbar punctures
9. Learn basics of EEG and EMG/NCS

**Rotation Activities:**
Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:
1. Students will evaluate patients in the emergency room and in the hospital under Attending supervision.

2. Students will participate in neuroimaging, EEG, and EMG/NCS interpretation as applicable.

3. Students will attend and participate in weekly Neurology Morning Report sessions and weekly Neurology Didactic teaching sessions and weekly Neurology Grand Rounds.

Patient encounters: a variety of common and uncommon neurological conditions such as head, neck, brain, spinal cord, muscular, and peripheral nervous system diseases.

Evaluations on this rotation will be evaluated through the following methods:

1. Clinical History taking and examination will be evaluated by the Attending and weekly feedback will be given.

2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.

3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance

2. Through feedback and final assessment at the end of the rotation by the course director.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Contact:
Shereena Farrington
Neurology Education Coordinator
sfarring@health.usf.edu
(813) 974-4142
James A. Haley VA Hospital

7th Floor Room 7B-711
Monday at 7:00 AM

Description: The elective is under the supervision of Dr. Alfred Frontera. During this rotation, students will...

Objectives:
1. Master skills in obtaining a neurological history and examination
2. Actively participate in discussing differential diagnosis
3. Learn to create a comprehensive management plan for patients presenting with common neurological diseases
4. Learn how to manage patients presenting with neurological emergencies
5. Become familiar with Neurology beyond the core requirements
6. Gain more independence in dealing with neurological patients
7. Develop readiness for transition into residency
8. Learn to perform lumbar punctures
9. Learn basics of EEG and EMG/NCS

Rotation Activities: Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:
1. Students will evaluate patients in the emergency room and in the hospital under Attending and Resident supervision. They will be responsible for diagnosing, and managing the patient they pick up. Neurological examination skills will be taught to the students at the bedside.
2. Students will participate in neuroimaging, EEG, and EMG/NCS interpretation as applicable to their patients.
3. Students will attend and participate in weekly Neurology Morning Report sessions and weekly Neurology Didactic teaching sessions and weekly Neurology Grand Rounds.

Patient Encounters: Students will see a variety of common and uncommon neurological conditions such as headache, epilepsy, multiple sclerosis, spinal cord disease, myasthenia gravis, Guillain Barre syndrome, and amyotrophic lateral sclerosis.

Evaluation: Students on this rotation will be evaluated through the following methods:
1. Clinical History taking and examination will be evaluated by the Attending and weekly feedback will be given.
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.
3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:
1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the course director.
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Contact: Shereena Farrington  
Neurology Education Coordinator  
sfarring@health.usf.edu  
(813) 974-4142

Report to: TGH, 9th floor  
Room 941-A  
Monday at 7:00 AM

Description: The elective is under the supervision of Dr. Selim Benbadis. During this rotation, students will become an integral part of a team that cares of patients with various neurological diseases and be expected to function at the sub-intern level. Students may do a two or four-week elective in the Tampa General Hospital Comprehensive Epilepsy Program, USF clinics at TGH and at the neurology hospital at the University of South Florida. The student will become an integral part of a team that specializes in the care of patients with refractory epilepsy.

Objectives:

1. Students should understand the differential diagnosis of epilepsy
2. Students should understand the difference between the different types of seizures and epilepsy syndromes and their implications
3. Students will learn the basics of EEG interpretation
4. Students should know the basics of video-EEG monitoring including its role and limitations
5. Students will learn the medical management of epilepsy patients and will be able to select appropriate medications for patients with different types of epilepsy
6. Students will become familiar with identifying refractory epilepsy patients and will familiarize themselves with the non-medical treatments of epilepsy
7. Students will learn the pre-surgical approach to patients with refractory focal epilepsies
Rotations: Students in this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will learn how to obtain a thorough epilepsy history and understand the spectrum.
2. Students will round with the Attendings (and Fellows when applicable) on the patients in the video-EEG monitoring unit daily.
3. Students will have the opportunity to understand the basics of electroencephalography by reviewing studies with the Fellows and Attendings daily.
4. Students will have several opportunities throughout the month to participate in Wada testing, which is used for language and memory lateralization.
5. Attendance at weekly epilepsy surgery conference is mandatory.
6. Interested students may also spend a few days at the pediatric epilepsy clinic and video-EEG monitoring unit at All Children’s Hospital based on availability.
7. Students may attend and participate in weekly Neurology Morning Report sessions and weekly Neurology Didactic teaching sessions.

Patient Encounters: Students will see patients presenting with epileptic seizures and mimics of epilepsy such as psychogenic nonepileptic seizures. They will see patients in both the inpatient long-term video EEG monitoring unit and in the outpatient clinic setting.

Evaluation: Students on this rotation will be evaluated through the following methods:

1. Clinical History taking and examination will be evaluated by the Attending and weekly feedback will be given.
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.
3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the course director.

Syllabus:

Visiting Students: Yes.

Apply via USF Health Morsani College of Medicine on VSAS.

Clinical Medicine
**Course Information**

**Contact:**
Shereena Farrington  
Neurology Education Coordinator  
*sfarring@health.usf.edu*

*(813) 974-4142*

**Report to:**
USF Morsani Clinic  
3rd Floor  
Monday at 8:00 AM

**Description**
The elective is under the supervision of Dr. Kavita Kalidas. During this rotation, third or fourth-year medical students will be provided clinical experience in headache and pain management. The student will become an integral part of a team that specializes in Headache and Pain Medicine.

**Objectives:**
1. Students will understand the differential diagnosis of patients presenting with headaches and head pain.
2. Students will understand the acute and chronic management of migraines and other primary and secondary headache syndromes.
3. Students will learn about the various oral and IV medications used to management headache patients.
4. Students will learn about the various interventional procedures used to treat headache disorders such as botulinum toxin injections, trigger point injections, and peripheral nerve blockade.
5. Students will learn about other complimentary interventions used to treat headache and pain patients such as neuromuscular re-education/biofeedback, physical therapy, occupational therapy, and psychological intervention.

**Rotation Activities:**
Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will learn how to obtain a comprehensive medical, neurological and headache history and understand the spectrum of headache syndromes.
2. Students will learn how to do a detailed neurological examination under the supervision of the Attending physician.
3. Students will observe a variety of interventional procedures such as botulinum toxin injections, trigger point injections, and peripheral nerve blockade.
4. Students will have the opportunity to learn acute treatment of a variety of headaches by attending the Headache Infusion Suite.
5. Students will become acquainted with the interdisciplinary therapeutic Headache and Pain Medicine Team including but not limited to neuromuscular re-education/biofeedback, physical therapy, occupational therapy, and psychological intervention.
6. Participation in Didactic Lectures and Journal Clubs is mandatory.
7. Opportunities to participate in research projects are available.

**Patient Encounters:**
Students will see patients presenting with various headache and pain disorders in the inpatient and outpatient settings. This includes patients presenting with acute headache and pain issues on the inpatient service at TGH and at the Headache Infusion Suite.

**Evaluation:**
Students on this rotation will be evaluated through the following methods:

1. Clinical history taking and physical examination skills will be evaluated by the Attending and weekly feedback will be given.
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.

3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance

2. Through feedback and final assessment at the end of the rotation by the course director, b.

**Syllabus:**

**Visiting Students:**
Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**
N/A

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**Contact:**
Shereena Farrington
Neurology Education Coordinator
sfarring@health.usf.edu
(813) 974-4142

**Report to:** TBD (dependent on rotation schedule what site you will start at)
Monday at 8:00 AM

**Description:**
The elective is under the supervision of Dr. Theresa Zesiewicz. All students enrolled in this elective must email Dr. Zesiewicz at tzesiewi@health.usf.edu at the start of the academic year.

During this rotation, third or fourth-year medical students may spend a two or four-week elective rotating through the Movement Disorders Clinic. Students will also observe a movement disorder neurosurgeon, either in the OR or in clinic (Drs. Smith and Vale).

The elective is designed as a preceptorship under the supervision of the Movement Disorder.
Objectives:
1. Students will understand the pathophysiology of common movement disorders.
2. Students will learn how to diagnose patients presenting with movement disorders such as Parkinson's disease, atypical parkinsonisms, Essential Tremor, Dystonia, Ataxias, Huntington's disease and Tic disorders.
3. Students will learn about the medical management of patients with movement disorders, including observing botulinum toxin injections.
4. Students will learn about the surgical management options (DBS) for patients with advanced Parkinson's disease and dystonia.

Rotation Activities:
Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:
1. Students will learn how to obtain a comprehensive medical and neurological history in patients presenting with movement disorders.
2. Students will learn how to do a detailed neurological examination in patients presenting with movement disorders under the supervision of the Attending physician.
3. Students will observe the use of botulinum toxin injections in the treatment of certain movement disorders.
4. Students will learn how to select appropriate patients for surgical treatment with Deep Brain Stimulation (DBS).
5. Students will have the opportunity to observe clinical trial visits evaluating the efficacy of experimental drugs in treating various movement disorders.
6. Opportunities to participate in research projects are available.

Patient Encounters:
Students see patients at the North and South Campus Movement Disorder clinics under the supervision of Drs. Zesiewicz, ... rotate with the Movement Disorders Neurosurgeons (Drs. Smith and Vale) either in the operating room or in their clinics.

Evaluation:
Students on this rotation will be evaluated through the following methods:
1. Clinical history taking and physical examination skills will be evaluated by the Attending and weekly feedback will be given.
2. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:
1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the course director, b.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

| Neurology       | MEL 8677 Outpatient Neurology | LVHN 1 - 11 | Yr 4 Status | 1 | 0 | 44-50 | 2.4 | Varrato, Jay | Clinical |
Description: With the course director’s assistance, the student will construct a calendar of outpatient experiences which can include various aspects of the outpatient neurology and neurosurgery practice. The goal is to assist students who want a career in primary care or neurology as they prepare for outpatient delivery of care.

Objectives:
1. Master skills in obtaining neurological history and examination
2. Actively participate in discussing differential diagnosis
3. Learn to create a comprehensive management plan
4. Learn different pathology in outpatient neurology
5. Gain more independence in dealing with neurological patients
6. Develop readiness for transition into residency
7. Learn basics of EEG and EMG/NCS

Upon completion of this elective, students should understand the principles of diagnosis and management of general outpatient neurological disorders.

Rotation Activities:
1. Student will spend time in various outpatient settings under the direct supervision of attendings.
2. Student will spend time evaluating patients on their own and presenting to attending.
3. Students will learn basics of EMG and EEG testing.
4. Students will perform neurologic exams and histories in presence of attendings.
5. Students will attend all necessary conferences.

Patient Encounters:

Evaluation:
Students will be evaluated by the course director at the end of the course, based largely on clinical experiences and feedback from attending physicians and residents.

Syllabus:
**Neurology**

| MEL 8677 Outpatient Neurology | USFMS | 1 - 11 | None | 2 | 0 | 44-50 | 2-4 | Hurst, Rebecca | Clinical |

**Description:**
The elective is under the supervision of Dr. Rebecca Hurst. During this rotation, students will become an integral part of the outpatient clinic. Students will learn to evaluate patients under the guidance of attending physicians. The department may assign students to USF Clinics, the James A. Haley or Bay Pines Veterans Hospitals, Moffitt Cancer Center, Harbourside Medical Tower, or Tampa General Hospital to complete this elective.

**Objectives:**
1. Master skills in obtaining a neurological history and examination
2. Actively participate in discussing differential diagnosis
3. Learn to create a comprehensive management plan for patients presenting with common neurological conditions
4. Become familiar with Neurology beyond the core requirements
5. Gain more independence in dealing with neurological patients
6. Develop readiness for transition into residency

**Rotation Activities:**
Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will evaluate patients in the outpatient setting under attending supervision. They will take a neurological history and perform a neurological examination. Neurological examination skills will be taught to the students during their patient encounters.
2. Students will participate in neuroimaging, EEG, and EMG/NCS interpretation as applicable to their patients.
3. Students will attend and participate in weekly Neurology Morning Report sessions, weekly Neurology Didactic teaching sessions, and weekly Neurology Grand Rounds.

**Contact:**
Shereena Farrington  
Neurology Education Coordinator  
starring@health.usf.edu  
(813) 974-4142

**Report based on scheduling. Please contact Course Director and Mrs. Shereena Farrington at least one week prior to the start of the rotation.**
Patient Encounters:
Students will see a variety of common neurological conditions such as headache, neck pain, stroke, epilepsy, multiple sclerosis, spinal cord disease, Parkinson's disease, essential tremor, dystonia and myasthenia gravis.

Evaluation:
Students on this rotation will be evaluated through the following methods:

1. Clinical History taking and examination will be evaluated by the Attending and weekly feedback will be given.
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.
3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the Course Director.

Syllabus:

Visiting Students:
Yes.
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
N/A

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
N/A

Contact:
Laura Hotchkiss
Laura_L.Hotchkiss@lvhn.org
(484) 884-8964

Report to:
1250 Building, 4th Floor
Neurology Department
Monday at 7:15 AM

Description:
This elective is designed to give fourth-year students more extensive exposure to the practice of Vascular Neurology. The students will learn how to evaluate patients with cerebrovascular disease as it pertains to the management of patients with ischemic stroke, intracerebral hemorrhage and subarachnoid hemorrhage.

Objectives:
1. Recognize the heterogenous nature of stroke syndromes and be able to differentiate them.
2. Apply principles of evidence-based medicine to cerebrovascular diagnosis and management
3. Evaluate the proper use of laboratory and neuroimaging studies in cerebrovascular diagnosis
4. Appreciate the diagnostic and management algorithms in acute stroke intervention
5. Understand the principles of management of acute ischemic stroke
6. Understand the principles of management of acute hemorrhagic stroke
7. Identify risk factors and treatment strategies for primary and secondary prevention of stroke

Students will see patients at Cedar Crest hospital and Center for Advanced Health Care. Upon completion of this elective, students should understand the principles of diagnosis and management of patients who have vascular neurological disorders.

Rotation Activities:
1. Students will spend time on stroke service evaluating acute stroke patients.
2. Students will perform evaluations of patients under direct supervision of residents and attendings.
3. Students will see patients in the outpatient stroke clinic with attending.
4. Students will spend time rotating in the NSICU covering ICH and SAH patients.
5. Students will spend time in neuro IR evaluating acute stroke patients who undergo mechanical intervention.

Patient Encounters:

Evaluation:
Students will be evaluated by the course director at the end of the course, based largely on clinical evaluations completed by all residents and faculty who work with them.

Syllabus:

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
Meet with the faculty member with whom they plan to work and/or Dr. Varrato prior to scheduling.

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Contact:
Shereena Farrington
Neurology Education Coordinator
Description: The elective is under the supervision of Dr. David Rose. During this rotation, third or fourth-year medical students may ...

Objectives:
1. Learn how to do a focused neurological history and examination and evaluate patients using the NIH Stroke Scale under the supervision of the Attending physician.
2. Recognize the heterogeneous nature of stroke syndromes and be able to differentiate them.
3. Apply principles of evidence-based medicine to cerebrovascular diagnosis and management.
4. Understand the principles of management of acute ischemic stroke, including the indications and contraindications for use of IV-TPA, IA-TPA, and intravascular clot removal.
5. Understand the principles of management of acute hemorrhagic stroke.
6. Evaluate the proper use of laboratory and neuroimaging studies in cerebrovascular diagnosis.
7. Appreciate the diagnostic and management algorithms in acute stroke intervention.
8. Identify risk factors and treatment strategies for primary and secondary prevention of stroke.

Rotation Activities:
Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will evaluate patients presenting with stroke-like symptoms in the emergency room and inpatient settings under the supervision of the Attending physician.
2. Students will participate in interpreting neuroimaging studies as applicable to their patients.
3. Students will evaluate patients in the outpatient stroke clinic where they will learn about secondary stroke prevention and neuro-rehabilitation.
4. Students will also get exposure to interventional neurology as it pertains to the management of ischemic stroke and subarachnoid hemorrhage.
5. Students gain experience in critical care neurology as it pertains to the management of ischemic stroke, intracerebral hemorrhage, and subarachnoid hemorrhage.

Patient Encounters:
Students will evaluate patients with known or suspected stroke syndromes (acute and chronic) in hospital and ambulatory settings under the supervision of a Vascular Neurology Attending.

Evaluation:
Students on this rotation will be evaluated through the following methods:

1. Clinical history taking and physical examination skills will be evaluated by the Attending at the end of each rotation.
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.
3. Home reading assignments may be given and assessed by the Attending.
Students will receive feedback on their performance:

1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the course director, b.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

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<th>Research</th>
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Contact: Shereena Farrington
Neurology Education Coordinator
sfarring@health.usf.edu
(813) 974-4142

Report to Dr. Charles Brock prior to start of rotation at cbrock@health.usf.edu.

Description: This is a 2-week or 4-week elective for third or fourth year medical students under the supervision of Dr. Charles Brock. This elective course is designed for the student who is interested in furthering his/her neurological knowledge by learning how to critically evaluate and understand movement disorders, neuro-muscular disease, and stroke. The elective is offered with approval of the Chairman.

Objectives:

1. Students will learn how to do a literature review and how to critically examine and interpret scientific literature.
2. Students will learn how to formulate a research question and scientific hypothesis.
3. Students will learn how to plan a research study to evaluate a hypothesis.
4. Students will learn how to analyze data in order to evaluate their hypothesis.
5. Students will learn how to write a scientific paper presenting the results of their research.
Rotation Activities:

Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will meet with the Course Director (Dr. Brock) prior to and at the start of the rotation to delineate a topic of interest and identify a Research Mentor (if not already identified).
2. In conjunction with their Research Mentor, students will perform an in-depth literature review, formulate a hypothesis, identify a research question, design a research study, obtain any pertinent IRB approval, collect and analyze data, and create a manuscript reporting their findings.
3. Of note, given that the expectation of this course is that the student produce a publication based on their research, the final grade will be based on a review of their final manuscript by the Course Director.

Patient Encounters:

N/A

Evaluation:

The student's final grade will be based on a review of their final manuscript by the Course Director.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance from their Research Mentor
2. Through feedback and final assessment at the end of the rotation by the Course Director, based on a review of their final manuscript

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

N/A

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Contact: Kelly Thompson, Residency Coordinator
kpthompson@health.usf.edu
(813) 259-0901

Report to the Neurosurgery Resident for morning rounds at 6:30 am on the first day.
Neuroscience ICU 5th Floor at Tampa General Hospital

Description: This will be a clinical experience in which the student will work under the supervision of the Residents and Fellows in the neurosurgical service. Students will have the opportunity to gain experience in management of neurosurgical illness and active participation in the radiological, clinical, and teaching rounds.

Objectives: This sub-internship elective will give forth year medical students an opportunity to gain experience in both inpatient and outpatient neurosurgical care. Students will learn and apply the specifics regarding performing neurological exams; collecting history and physical examinations; performing and assisting in neurosurgical procedures; and management of neurosurgical illness. Students will also have the opportunity to scrub in and observe during OR procedures. Students will learn and apply the specifics regarding performing neurological exams; collecting history and physical examinations; performing and assisting in neurosurgical procedures; and management of neurosurgical illness. Students will also have the opportunity to scrub in and observe during OR procedures.

Students will demonstrate interpersonal and communication skills through their interactions with patients, healthcare providers, and staff. Students will participate in team-based learning exercises; perform literature and/or database searches on specific topics relevant to neurosurgery; employ collaborative approaches that effectively and efficiently make use of healthcare resources.

Rotation Activities: Students will participate in daily ward rounds and will be integrated into the ward management team. Participating in the operating room will be geared toward the individual's talents at the discretion of the operating surgeon. Didactics: Students will be expected to attend Grand Rounds Conference on Friday mornings.

Patient Encounters: Students will have the opportunity to work with patients in the outpatient clinics of USF Health. Encounters will include gathering detailed patient history; performing and/or assisting in patient evaluations and minor procedures with the direct supervision of a neurosurgical resident and/or attending. Students will also have the opportunity to present patient cases to the neurosurgical team and residents or attendings for discussion and feedback.

Evaluation: At the conclusion of the rotation, the student should be quite familiar with and have a basic appreciation of the scope and complexity of the neurosurgical subspecialties. Students will be evaluated based on their ward performance, conference performance, and the quality of their histories and physicals.

Syllabus:

Visiting Students: Apply via USF Health Morsani College of Medicine on VSAS.
Special Instructions: USF students are encouraged to enroll in period 2 or 3.
Description: A subinternship in the field of neurosurgery encompassing emergent and elective procedures including brain and spine surgery.

Objectives:
1. Describe common neurosurgical disorders
2. Be able to develop a differential diagnosis for a patient with neurosurgical disease
3. Assist in neurosurgical cases and procedures
4. Participate in daily rounds and evaluations of patients

Rotation: The student will be associated with neurosurgical surgeons whose patients exhibit a wide spectrum of neurological conditions. The rotation includes exposure to neurosurgical research in the neurological operating room, participating in rounds and observing angiographic and CT diagnostic procedures.

Patient Encounter: Floor, Intensive care

Evaluation: Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students:

Special Instructions:

Contact: Kelly Thompson, Residency Coordinator
kpthompson@health.usf.edu
(813) 259-0901
Report to: Mark Greenberg, M.D., Program Director, unless specifically assigned to another faculty member. Please coordinate with Kelly Thompson at least one week prior to your first day to verify when and where to report.

Description:
This rotation is considered an introductory step for students who may be planning an academic course and can be tailored to the individual student's interests and needs.

Students will identify a specific research topic of interest, whether independently, or in collaboration with ongoing research. Students will work with a specific faculty member, appropriate to their area of interest.

Research proposals should be submitted to Dr. Greenberg and Kelly Thompson at least two weeks prior to the start of the course to ensure adequate time for review, revisions, and planning.

Objectives:
A preliminary outline of the depth and goals of their research period.

Students will review published literature pertaining to the clinical area or topic; evaluate and critique publications. They will familiarize themselves with the various methods associated with data collection, interpretation, and analysis.

Familiarize themselves with the various methods associated with data collection, interpretation, and analysis. Gain a general understanding of the opportunities, sources, and challenges associated with research funding.

At the end of the elective, students should be able to report on their research, including initial findings, contributions, and implications.

Rotation Activities:
The student will be exposed to a variety of techniques currently used in neuroscience research.

Patient Encounters:
Patient interaction will be limited, and non-clinical in nature. If the project proposal requires patient interaction, the student will be responsible for obtaining permission from the patient and providing a full explanation of the nature of the observation and/or encounters, along with a justification in the initial proposal.

Evaluation:
Evaluation will be based on faculty assessment of the student's research productivity, including a final report submission explaining methods, findings, conclusions, unknowns, implications, etc.

Syllabus:

Visiting Students:

Special Instructions:

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<th>Course Code</th>
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Gynecologic Oncology

Contact: Martin Martino
Martin.Martino@lvhn.org

Report to: Lehigh Valley Hospital Cedar Crest, 7C
Monday 6:00 AM

Call chief gynecologic oncology resident to set up specific expectations and requirements

Description: will be expected to demonstrate a level of skill in-patient care of both gynecologic oncology in-patients and...

Objectives:
1. Will act as the primary provider (house officer): admit, develop management and diagnostic plan for the gynecologic oncology patient and have plan for initial orders for assigned patients
2. Will follow up on patient’s status and develop new management and diagnostic plans for assigned gynecologic oncology patients
3. Will be assistant surgeon for procedures as level of training allows
4. Will follow, round on, document upon, and present assigned patients on the gynecologic oncology service during daily rounds
5. Will manage a sufficient number of patients as a medical student to gain skills, attitudes, and knowledge necessary to function as the primary physician and demonstrate critical aspects of caring for oncologic patients
6. Will see patients in the ambulatory gynecologic office setting with faculty attendings when assigned
7. Will participate in and develop an understanding for the principles of robotic surgery
8. Develop communication skills regarding the care of complex patients with morbidity and cancer
9. Will research, prepare, and present a 15 minute oral presentation relating to a chosen gynecologic oncologic topic during the rotation

Rotation Activities:
The student will work with the Gynecologic Oncology team caring for patients on the wards, in the OR, and in the ambulatory office setting.
1. Participate in new consults and emergency room evaluations as acting intern and be responsible for examining and managing patients. Participate as acting intern in all assigned pre-operative and post-operative care and procedures. The student will check out to the OB/GYN resident assigned to ward call or faculty on call.
2. The student will attend all conferences and lectures that the Gynecologic team intern is required to attend.
3. The student will be responsible for writing clinic and/or inpatient notes as assigned by chief resident and/or faculty.

Patient Encounters:
Evaluation will be based on clinical performance in the role as acting intern to include assessment...
Daily Inpatient Service clinical observation
Daily Ambulatory service clinical observation
Daily Surgical service clinical observation
Daily oral feedback
End of period oral feedback
Written feedback
Written evaluation by the chief resident and Gynecology Oncology faculty assigned to the team.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:

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<th>Clinical</th>
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Contact:
Stephanie-Marie Jones
Stephanie-Ma._L.Jones@lvhn.org

Report to:
Labor & Delivery, 3rd Floor, Jaindl, Lehigh Valley Hospital, Cedar Crest
Monday 7:00 AM

Description:
This elective is designed for senior students who have chosen to pursue a career in obstetrics & gynecology. It will provide a structured and supervised experience to enhance the student’s knowledge and skills in obstetrics & gynecology.

Objectives:
1. Demonstrate basic knowledge of normal obstetrical care and common medical complications seen in pregnancy

   LVHN 10B Yr 4 Status No Limit 0 40 2 Jones, Stephanie-Marie

   Clinical

   Objectives
   1. Demonstrate basic knowledge of normal obstetrical care and common medical complications seen in pregnancy
   2. Demonstrate basic knowledge of routine / uncomplicated intrapartum obstetrical care inclu
3. Demonstrate basic knowledge of normal postpartum care
4. Demonstrate basic surgical procedures and basic gynecology office procedures
5. Demonstrates knowledge of basic abdominal and pelvic anatomy
6. Demonstrates basic knowledge of common ambulatory gynecology problems

Students will undergo a curriculum that addresses each of the ACGME Level 1 Milestones. This will be taught and evaluated through simulation, clinical case scenarios, and case-based learning.

Patient Encounters:

Students will be evaluated by performance on meeting the ACGME Level 1 Milestones. This will be done through graded clinical case scenarios, and simulation exercises. Grades will be determined based on these evaluations done at the end of the course.

Syllabus:

Visiting Students:

Special Instructions:

Ob/Gyn MDE 8165 Gynecology Elective

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<td><a href="mailto:Christina_M.Black@lvhn.org">Christina_M.Black@lvhn.org</a></td>
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<td>Report to: Valley Hospital – 17th Street</td>
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Description: This elective is intended for those students who wish to obtain additional background in gynecology. Students will be expected to complete all intern related administrative tasks under supervision of gynecology resident and assigned faculty mentor.

Objectives:
1. Will act as the primary provider (house officer): admit, develop management and diagnostic plan for the gynecology patient and have plan for initial orders for assigned patients
2. Will follow up on patient’s status and develops new management and diagnostic plans for assigned gynecology patients
3. Will be assistant surgeon and/or participate in procedures as level of training allows
4. Will follow, round on, document upon, and present assigned patients on the gynecology service during daily rounds.

5. Will manage a sufficient number of patients as an acting intern to gain skills, attitudes, and knowledge necessary to function as the primary physician and demonstrate critical aspects of caring for gynecology patients.

6. Will see patient in the ambulatory gynecology office setting with faculty attendings when assigned.

7. Will participate in and develop an understanding for the principles of gynecologic surgery.

**Rotation Activities:**

1. Oral presentation at end of rotation

2. Attend OR cases assigned to you by chief gynecology resident unless assigned to clinic that day

3. Gynecology Outpatient clinic four half days/month

4. Each week, student will meet with an assigned clinical attending. During this time, can go over questions on assigned readings

   - **Week 1:** Discuss expectations, set up personal objectives for month
   - **Week 2:** H&P, Operative note, Postoperative Note, and Outpatient Note
   - **Week 3:** H&P, Operative note, Postoperative Note, and Outpatient note
   - **Week 4:** Oral Case presentation & Demonstrate One Handed and Two Handed Knots Final

5. Complete Passport

6. Complete Log Sheet regarding surgeries

**Patient Encounters:**

**Evaluation:**

Evaluation by the chief resident and gynecology faculty assigned to the team. Evaluation will be based on...as an integral part of the team will be assessed and emphasized. Completion of rotational procedure log will be required.

- 50% Attending/Resident Evaluations
- 30% Case Presentation
- 20% Notes & Completion of Passport and Log

**Syllabus:**

- **Visiting Students:**
  - Lehigh Valley Network on VSAS.

**Special Instructions:**

- Students are allowed to miss one day without having to make the shift up. Students must notify gynecology rotation attending leader prior to any missed days.

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| Ob/Gyn | MDE 8180 Matern | LVHN 1-11 | Yr 4 Status | 1 | 0 | 80 | 4 | Coasso | lo, Kara | Clinical |
|--------|-----------------|-----------|-------------|---|---|----|---|--------|----------|----------|----------|
Contact: Dr. Kara Coassolo
Kara_M.Coassolo@lvhn.org

Report to: 3900 Hamilton Blvd, Suite 201
Allentown, PA
Monday at 8:00 AM

Description: The purpose of this rotation is to advance your knowledge in the area of Maternal Fetal Medicine. Students will be expected to demonstrate a level of skill in patient care of both high risk obstetrical patients and complicated patients on labor and delivery. If there is something else you would like to gain exposure to, please do not hesitate to discuss this with your preceptor.

Objectives:
1. Gain exposure and develop a comfort level with inpatient management of MFM patients including antepartum patients in PNU with obstetrical and medical complications and complicated patients on labor and delivery
2. Develop an understanding of the management of patients in the high-risk obstetrical clinic including those requiring pre-conceptual counseling, genetic counseling, and antepartum consultations
3. Become familiar with principles of perinatal ultrasound and associated procedures including amniocentesis, chorionic villus sampling, and PUBs
4. Learn about both maternal and obstetrical complication during pregnancy

Rotation Coordinator: Dr. Coassolo is the preceptor for the rotation, though it is expected that you will interact with the entire MFM staff. Students will meet with Dr. Coassolo at the starting, mid-point and completion of the rotation. YOU ARE RESPONSIBLE FOR SETTING ALL MEETINGS WITH DR. COASSOLO. She will contact you by email the week prior to the rotation with more specific instructions for the first day.

2. Students are expected to function as a member of the MFM team. The team consists of the MFM personnel including the attending, attending all counseling and ultrasound sessions, and contributing to management decisions of these patients.
3. When in the office, Students are expected to:
   - Watch ultrasounds and all perinatal procedures
   - Participate in consults with the physicians, nurse practitioners, and genetic counselors
4. Students are expected to follow and participate in the care of designated antepartum patients. Students will have the opportunity and be expected to see an appropriate distribution of patient encounters.
5. Students will have the opportunity and be expected to see an appropriate distribution of patients (both inpatient and outpatient).
6. Students will have the opportunity and be expected to see an appropriate distribution of patients (both inpatient and outpatient).
7. Students will have the opportunity and be expected to see an appropriate distribution of patients (both inpatient and outpatient).

Patient Encounters:

Evaluation:

Patient Service evaluation
Daily Ambulatory Service evaluation

Daily oral feedback

End of period feedback

Written feedback

Completed H&P on Antepartum MFM patient and outpatient seen in High Risk Clinic or MFM

Completed oral project (slide set)

Completed “antepartum” procedural passport

Syllabus:

Visiting Students:
- Lehigh Valley Network on VSAS.

Special Instructions:

Contact:
- Dr. Liany Diven
  Liany_C.Diven@lvhn.org

Report to:
- Labor & Delivery, 3rd Floor
  Jaindl
  Lehigh Valley Hospital, Cedar Crest
  Monday 7:00 AM

Description:
The purpose of this rotation is to advance your knowledge in the area of inpatient obstetrics. Below is the general outline of what you will do during this rotation, though some specific rotations may include something specific to which you would like to gain exposure. Please do not hesitate to discuss this with your preceptor.

Students will be expected to develop a level of skill in patient care of obstetrical patients comparable to an intern on the service by completing all related clinical and administrative tasks under supervision of assigned faculty mentor.

Objectives:

1. Perform initial assessment of patients in the triage area by conducting history and supervised physical exams, presenting findings in a logical manner and gaining a clear idea of what type of OB care is appropriate.

Click here for additional course information
2. In conjunction with residents and attending staff, perform ongoing assessment of intrapartum patients and manage their labor progress.


4. Participate in cesarean deliveries with level of participation at the discretion of the attending physician.

5. Perform postpartum rounds with resident obstetrics team.

6. May engage in antepartum teaching rounds.

Rotation Activities:

1. Faculty will be responsible for the student’s orientation and completion of the evaluation. YOU ARE RESPONSIBLE FOR SETTING ALL MEETINGS WITH YOUR PRECEPTOR so please contact the preceptor at the start of the rotation.

2. Students are expected to function as a member of the obstetrics team. The team consists of the resident staff (PGY1–3 and PGY4), general ob/gyn attending physicians, MFM specialist, ED resident, third year medical students, CNM, and nurses.

3. Students are expected to follow and participate in the care of designated patients. S/he will be assigned 1-3 patients to follow and contribute to the care of these patients. To learn the computer system, take the online tutorials at http://lvhwebcontent.lvh.com/?id=2665&sid=1

4. Students will have the opportunity and be expected to see an appropriate distribution of patients.

5. Students will be expected to present a 15 minute talk during the last week of the rotation.

Call Schedule:

This course is setup with two weeks of dayfloat from Monday through Friday and two weeks of nightfloat Sunday through Thursday. Students may also need to use weekend call shifts to make up time missed during the rotation.

Students will attend morning educational sessions, neonatal and ultrasound conferences, and possibly resident education series.

Evaluation:

Patient Encounters:

Evaluation:

Clinical observation from Inpatient Service

Daily oral feedback
End of period oral feedback
Written feedback
End of rotation oral exam with faculty
Faculty and Resident assessment
Completed notes – may be completed in epic and then reviewed by name and MR# by course
Completed oral project to be presented at morning report in second half of rotation
Completed procedural passport

Syllabus:

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

**Special Instructions:**

Ob/Gyn Acting Internship in Gynecology

Click here for additional course information

**Contact:**

Christina Black
Christina_M.Black@lvhn.org

**Report to:**

Lehigh Valley Hospital – 17th Street
Monday 7:00 AM

Contact chief gynecology resident by email to get a list of assigned cases for the following day.

**Description:**

Students will be expected to demonstrate a level of skill in-patient care of both gynecology in-patients and outpatients completing all intern related administrative tasks under supervision of gynecology resident and assigned faculty mentor.

**Objectives:**

1. Will act as the primary provider (house officer): admit, develop management and diagnostic plan for the gynecology patient and have plan for initial orders for assigned patients
2. Will follow up on patient’s status and develops new management and diagnostic plans for assigned gynecology patients
3. Will be assistant surgeon and/or participate in procedures as level of training allows
4. Will follow, round on, document upon, and present assigned patients on the gynecology service during daily rounds
5. Will manage a sufficient number of patients as an acting intern to gain skills, attitudes, and knowledge necessary to function as the primary physician and demonstrate critical aspects of caring for gynecology patients
6. Will see patient in the ambulatory gynecology office setting with faculty attendings when assigned
7. Will participate in and develop and understanding for the principles of gynecologic surgery

**Rotation Activities:**

1. Oral presentation at end of rotation
2. Attend OR cases assigned to you by chief gynecology resident unless assigned to clinic that day
3. Gynecology Outpatient clinic four half days/month
4. Each week, student will meet with an assigned clinical attending. During this time, can go
5. Weeknight call at Muhlenberg Hospital, covering gynecology and obstetrics
6. Complete Passport
7. Complete Log Sheet regarding surgeries
8. Oral exam on readings

Week 1:
Discuss expectations. Set up personal objectives for month.

Week 2:
H&P, Operative note, Postoperative Note, and Outpatient Note.

Week 3:
H&P, Operative note, Postoperative Note, and Outpatient note.

Week 4:
Oral Case presentation & Demonstrate One Handed and Two Handed Knots.

Final Evaluation

Patient Encounters:

Evaluation will be based on clinical performance in the role as acting intern to include assess

50% Attending/ Resident Evaluations
20% Case Presentation
20% Notes & Completion of Passport and Log
10% Oral Exam

Evaluation areas will include:

Daily observation of Inpatient Service, Ambulatory, Surgery
Daily oral feedback
End of period feedback
Written feedback
Oral examination

Written evaluation by the chief resident and gynecology faculty assigned to the team

Syllabus:

Visiting Students:

Special Instructions:
Ob/Gyn Subspecialty Elective

Click here for additional course information

Contact: Melissa Mancao
mjmancao@health.usf.edu

Report to: South Tampa Center (STC)
6th Fl
Dr. David Rapkin
drapkin@health.usf.edu
(412) 535-1873

Description:
This elective is offered to introduce the fourth year medical students to 2 subspecialties within the field of Obstetrics and Gynecology. Students will be on scholarly concentration towards publication of a case report or on-going research in an Ob/Gyn subspecialty.

Objectives:
1. Provide an introduction and appreciation to an Ob/Gyn sub-specialty
2. Develop student independent interest and research in the sub-specialty
3. Provide the student with a clinical interactive opportunity with a sub-specialty attending

Subspecialties available in the following areas:
- GYN Oncology
- Female Pelvic Medicine & Reconstructive Surgery (FPMRS)
- Maternal Fetal Medicine
- REI (Reproductive Endocrinology & Infertility)
- Outpatient Generalist Ob/Gyn

Rotation Activities:
The student will report to the subspecialty divisions which they have chosen; at that time the best clinical experience will be discussed with the division members to obtain the most clinically active insight into the 2-week subspecialty rotation.

Patient Encounters:
**Evaluation:**

The division director of each sub-specialty will be responsible for evaluating the student.

**Syllabus:**

**Visiting Students:**

- Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

- Contact Melissa Mancao at least two weeks prior to the start of the rotation. The department will accept 2 students per month in periods 2, 3, 4, 5, 7, 8, 9, 10. The desired specialty may not always be available, thus students must meet with Dr. David Rapkin prior to the rotation to determine the specific subspecialty.

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**Contact:** Stephanie-Marie Jones

Stephanie-Ma_L.Jones@lvhn.org

**Report to: Delivery, 3rd Floor Jaindl**

Lehigh Valley Hospital, Cedar Crest

Monday 7:00 AM

**Description:** This course is for those students who wish to gain additional experience in obstetrics. Requests for the acting internship will be reviewed on an individual basis. Students should discuss specific goals with their preceptor. The rotation is designed to provide students with an opportunity to work with residents and attendings and to participate in various obstetric settings.

**Objectives:**

1. Perform initial assessment of patients in the triage area by conducting history and supervised physical exams, and complete necessary paperwork regarding management, admitting patients as appropriate and counseling patients being discharged on necessary follow-up.

2. In conjunction with residents and attending staff, perform ongoing assessment of intrapartum patients and manage their labor progress.


4. Participate in cesarean deliveries with level of participation at the discretion of the attending obstetrician.

5. Participate in postpartum rounds with resident obstetrical team.

6. May engage in antepartum teaching rounds.

**Rotation Activities:** Additionally, the acting intern on this rotation will participate in ambulatory Ob/Gyn clinic with patients. The clinic should primarily focus on preconception consults, antepartum obstetric care, and postpartum follow-up.
1. Internship faculty will be responsible for the student’s orientation and completion of the evaluation. The faculty will be responsible for setting all meetings with your preceptor. Please contact the preceptor at the start of the rotation.

2. Acting Intern is expected to function as a member of the obstetrics team. The team consists of the resident staff (PGY1, PGY2, PGY3, PGY4), general ob/gyn attending physicians, MFM specialist, ED resident, third year medical students, CNM, and nurses.

3. Acting Intern is expected to follow and participate in the care of designated patients. She will be assigned 1-3 patients per week and will be responsible for evaluating and managing the patients under the appropriate resident and on-service attending, and contributing to management decisions of these patients.

4. Acting Intern will have the opportunity and be expected to see an appropriate distribution of patients that correlates with assigned patients. Failure to complete this list during your rotation may result in an incomplete rotation.

5. Acting Interns will be expected to present a 15 minute talk during the last week of the rotation. The topic of the presentation should be determined by the midpoint in the rotation and approved by the preceptor.

6. The acting intern will participate in an ambulatory ob/gyn clinic in a general ob/gyn’s office. The day of the week may be dependent on scheduling available.

7. The acting intern is expected to complete/discuss four APGO obstetrics topics with a faculty member. These topics are selected based on the rotation and the topics currently being taught.

8. Acting intern will be expected to contribute to a medical student lecture to third year students. They are expected to contribute a 10-20 minute portion of the lecture. The topic will be decided upon with the student and the preceptor.

Call Schedule:

This course is setup with two weeks of dayfloat from Monday through Friday and two weeks of nightfloat Sunday night through Thursday night. Students may also need to use weekend call shifts to make up time missed during the rotation.

Student will attend morning educational sessions, neonatal and ultrasound conferences, grand rounds presentations, and possibly resident education series.

Patient Encounters:

Evaluation:

• Oral Final Exam - 25%
• Oral Presentations - 10%
• Obstetrical Passport - 5%
• Written Notes - 5%
• Oral Teaching Cases - 5%

Your Evaluation - The Specifics

• Clinical Evaluation – The faculty that you work with will complete an evaluation through Evalue. At the end of the rotation, the clerkship will ask for your feedback to include any additional faculty/residents that you wish to receive an evaluation.

• Oral Final Exam – You will be given an oral final exam at the end of your rotation covering obstetrics by two attendings. The exam content will be based upon your experiences during your rotation and reading assignments.

• Oral Presentations - You will be responsible for an oral case presentation that you will give during obstetrical morning conferences. You will give a 10-20 minutes lecture on a topic during the medical student lecture series.

• Obstetrical Passport – You must complete and hand in a passport of activities.

• Written Notes - You are required to complete a H&P weekly. Also a written csection (including the procedural steps), vaginal delivery notes, and a postpartum note. These notes can be typed or handwritten but should be copied from EPIC.

• Oral Teaching Cases - You will be assessed on weekly obstetrical teaching cases by residents and faculty.

Honors Eligibility
Students often ask about what preceptors look for in distinguishing the “average” from the “truly outstanding” student. In order to be eligible for an Honors grade, a student must achieve ALL of the following:

1. Attain a honors grade on the final oral exam.
2. Receive outstanding clinical evaluations from the resident team and faculty. Need to be consistently evaluated as a fourth year student or intern level.
3. Demonstrate professional behavior at all times.
4. Participate during scheduled activities except in case of an excused, documented absence.
5. Complete all clerkship requirements.
6. Adhere to the honor code.

**Pass with Commendation Eligibility**

In order to be eligible for a pass with commendations grade, a student must achieve ALL of the following:

1. Attain a high pass or honors grade on the final oral exam.
2. Receive above average clinical evaluations from the resident team and faculty. Need to be consistently evaluated as a beginning of fourth year, fourth year student, or intern level.
3. Demonstrate professional behavior at all times.
4. Participate during scheduled activities except in case of an excused, documented absence.
5. Complete all clerkship requirements.
6. Adhere to the honor code.

**Pass Eligibility**

In order to be eligible for a grade of Pass, a student must achieve ALL of the following:

1. Attain a pass or higher on the oral exam.
2. Receive average evaluations (meet expectations) from clinical preceptors.
3. Complete all clerkship requirements.
4. Demonstrate professional behavior at all times.
5. Demonstrate adherence to the honor code.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

| Ob/Gyn | MDI 8160 | TGH 1 - 11 | Yr 4 Status | 2 | 0 | 40-60 | 4 | Rapkin, David | Clinical |
Ob/Gyn Acting Internship

Click here for additional course information

Contact:
Melissa Mancao
mjmancao@health.usf.edu

Report to:
Tampa Center (STC)
6th Fl
Dr. James Mayer
Dr. David Rapkin

Description:
The Ob/Gyn Acting Internship is a month long concentrated clinical experience at Tampa General Hospital in the Bayshore area. The internship is designed to provide a concentrated experience in a clinical setting that will be challenging and stimulating.

Objectives:
1. Advance and mature the knowledge base and clinical skills in the care of the obstetrical patient.
2. Demonstrate the independence of developing an assessment and plan for patient care to be presented, reviewed, and agreed upon by the medical team.
3. Acknowledge and demonstrate responsibility and professionalism to patients, team and staff.
4. Actively participate in all patient care directly or indirectly, attempting to meet patient care needs.
5. Share knowledge, support, and compassion to patients, team, and staff.
6. Reflect, study, read, and be prepared, demonstrating growth by the next shift.
7. Ask for and appreciate constructive feedback.
8. Have fun.

Rotation Activities:
The student will be supervised by USF Department of Ob/Gyn clinical faculty and residents to challenge the student to participate as an active member of the team, within the unique dynamics of labor and delivery.

Patient Encounters:
Students will be asked to manage at least 2 patients at all times: Triage/Labor and Delivery in conjunction with the resident team.

Evaluation:
Formal evaluation forms will be completed by the Labor and Delivery faculty and resident team.

Syllabus:

Visiting Students:
<table>
<thead>
<tr>
<th>Department</th>
<th>Code</th>
<th>Title</th>
<th>Year</th>
<th>Status</th>
<th>Limit</th>
<th>Faculty</th>
<th>Activities</th>
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</thead>
<tbody>
<tr>
<td>Ob/Gyn MEL 73200</td>
<td>EXternship - OB / GYN</td>
<td>1 - 9 Yr 4</td>
<td>No Limit</td>
<td>0</td>
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<td>Faculty Externship</td>
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<tr>
<td>Ob/Gyn MEL 99990</td>
<td>Independent Study - OB / GYN</td>
<td>1 - 11 Yr 4</td>
<td>No Limit</td>
<td>0</td>
<td>40</td>
<td>2,4</td>
<td>Faculty Independent Study</td>
</tr>
<tr>
<td>Oncologic Sciences</td>
<td>MDE 7286</td>
<td>Flex Year 3 Elective in Onc Hosp Med</td>
<td>None, Yr 3 only</td>
<td>1</td>
<td>0</td>
<td>40-50</td>
<td>2</td>
</tr>
</tbody>
</table>

**Contact:**

Dr. Hembree
Timothy.Hembree@moffitt.org
(813) 745-3134

**Report to:**
IHM Offices MCC 3170

**Description:**
Students will rotate on the Internal and Hospital Medicine (IHM) Inpatient service at Moffitt Cancer Center. The student is expected to attend Afternoon Report, Noon conference, Grand Rounds and Board review sessions.

**Objectives:**

1. Introduction to comprehensive, interdisciplinary hospital-based care of cancer patients
2. Learn how to perform complete history and physical examinations
3. Master the art communication with writing a daily progress note as well as oral presentation
4. Develop a thorough differential diagnosis in a problem based fashion
5. Introduction to the management of many common inpatient medical problems/diagnoses

**Rotation Activities:**

1. Table rounds with teaching service daily
2. Participate in the daily care of patients and write daily progress note

**Special Instructions:**
Contact Melissa Mancao at least one month prior to the start of the rotation.
3. Participate in lecture series, practice H&P skills, oral presentation/case report

**Patient Encounters:**

- Daily 1-3
- 10-30 total

**Evaluation:**

The evaluation of the student will reflect the overall performance on the rotation including history and physical examination skills, constructing differential diagnosis, and oral presentations by the attending physician.

**Syllabus:**

**Visiting Students:**

- No

**Special Instructions:**

- N/A

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### Oncologic Sciences

| MDE 8150T Intro to Palliative Onc Medicine and Hospice |
| MCC | 4 - 11 | Yr 4 Status | 1 | 0 | 44 | 4 | Oberoi-Jassal, Ritika |
| Oncologic Sciences | | | | | | Clinical |

---

**Contact:**

- Dr. Ritika Oberoi-Jassal
  - Ritika.Oberoi-Jassal@moffitt.org
  - Management Assistant
  - Maria Isaza
  - Maria.Isaza@moffitt.org
  - (813) 745-6853

**Report to:**

- Ritika Oberoi-Jassal, MD

**Description:**

This elective is designed to introduce fourth year medical students to palliative care in an oncology setting. Students will develop communication skills and techniques to break bad news and have meaningful advance care planning discussions.

**Objectives:**

1. Describe the domains of palliative care and outline means to address each domain in seriously ill patients (physical, psychiatric, social, spiritual, cultural, care of the imminently dying patient, and ethical and legal aspects of care)

2. Recognize how to effectively assess and manage complex symptoms including dyspnea, nausea, constipation, anxiety, depression, sleep disturbances, and decreased appetite

3. Describe the principles of pain management in patients with chronic life limiting illness

4. Describe how to work collaboratively to deliver comprehensive palliative care through an interdisciplinary team approach
5. Demonstrate patient-centered interview techniques when giving bad news or clarifying goals.
6. Develop the communication skills to hold a successful family meeting and hold meaningful advance care planning discussions.
7. Evaluate what is normal and expected in the dying process, how to address these symptoms.
8. Distinguish the services of inpatient hospice versus home hospice and recognize which patients are appropriate for referral.
9. Recognize patients that would benefit from specialist palliative care referral.

Rotation Activities:
Students will see patients on the H. Lee Moffitt Cancer Center palliative care inpatient consultative service and in the follow-up clinic to give bad news, discuss advance care planning, and identify symptoms common at the end of life and manage them.

Patient Encounters:
Evaluations will see patients on the H. Lee Moffitt Cancer Center palliative care inpatient consultative service.

Syllabus:
Students will be evaluated based on clinical evaluations completed by the course director.

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Prior Approval Required: Any interested student MUST meet with Dr. Oberoi-Jassal to plan the elective. Ideally this should be done at least 1 month prior to the start of the rotation.

Contact:
Jennifer Selner
Management Assistant
Jennifer.Selner@Moffitt.org
Dr. Michael Poch
Michael.Poch@Moffitt.org

Report to:
Contact Dr. Poch prior to the start of the rotation for instructions on where to report.
This elective is designed to introduce senior students to the practice of Genitourinary (GU) Oncology. Under the guidance of Dr. Jacques Fontaine, students participating in a 4-week rotation will spend 1 week divided between GU medical oncology and GU pathology.

**Objectives:**

1. Evaluate patients with newly diagnosed GU malignancies or patients with risk factors for GU malignancies
2. Become familiar with routine operative management of GU malignancies as well as routine OR practices (sterile technique, suture placement, tying knots) and relevant operative anatomy
3. Learn routine post-operative care, including the surgical ward, of patients undergoing surgery for GU malignancies
4. Learn patient – physician skills of effective communication focusing on “delivering bad news”
5. Participate in GU Tumor Board and Journal Club
6. Prepare one topic with GU Oncology for presentation at weekly GU tumor board (10 minute presentation)

**Rotation Activities:** GU Oncology Clinic – Surgery/Medical Oncology, Pathology, Operative Experience

**Patient Encounters:**

**Evaluation:**

1. Medical Knowledge and Practice Based Learning - Does the medical student apply knowledge to clinical situations?
2. Patient Care - Does the medical student actively participate in patient care?
3. Professionalism - Does the medical student act professionally (arrive on time, well groomed, act appropriately)?
4. Communication - Does the medical student communicate effectively with attending staff, residents, fellows, nurses, and supportive staff and with patients as well?

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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<table>
<thead>
<tr>
<th>Oncologic Sciences MDE 8633 Thoracic Surgical Oncology</th>
<th>MCC 1 - 11 Surgical Care 1 0 60 4</th>
<th>Fontaine, Jacques</th>
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<tbody>
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<td></td>
<td></td>
<td>Clinical</td>
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</table>

**Contact:**

Jacques.Fontaine@moffitt.org
Report to: Nancy Niles  
(813) 745-7640

Description: This elective is designed to provide exposure to the presentation, evaluation and treatment o.

Objectives:
1. Conduct independently (but under supervision) an efficient consultation of a patient prese
2. Present in a concise, reliable and organized manner patient data during rounds, in tumor b
3. Interpret basic Chest Xray and Chest CT Scan images and findings
4. Demonstrate solid knowledge of chest anatomy and cardio-pulmonary physiology
5. Demonstrate proficiency in the following technical skills: bronchoscopy, sub-cuticular stit

Rotation Activities:
the operating room and seeing patients in clinic

Patient Encounters:

Evaluation:
The student will be evaluated by the course director at the end elective, based on clinical eva

week of their rotation. Grades are determined by: 75% clinical evaluations and 25% oral pres

Syllabus:

Visiting Students:

Special Instructions:

Oncologic Sciences

MDE 8646  
Head and Neck Oncology
  
MCC 1 -11  
None 1 0 40 2,4  
Otto, Kristen  
Clinical

Contact:
  
Kristen.J.Otto@Moffitt.org
  
Leanne Vorasse, Management Assistant  
(813) 745-2675
Faculty include: Kristen J. Otto, MD (course director), Jimmy J. Caudell, MD, PhD (Radiation Oncology), and Kedar Kirtane, MD (Medical Oncology).

Report to Dr. Otto prior to the start of the rotation for instructions on where to report.

Description:
The elective is designed to give medical students an experience with multidisciplinary cancer care.

Objectives:
1. Develop an understanding of the clinical applications of head and neck anatomy
2. Practice taking a history on a complex head and neck cancer patient, learn the salient symptoms
3. Practice head and neck physical examination skills
4. Develop an appreciation for multidisciplinary care of the oncology patient
5. Participate in complex head and neck surgical and reconstructive cases
6. Learn basic postoperative head and neck patient assessment including assessment of flap viability
7. Participate in team rounds and in-patient management with the Head and Neck Oncology team
8. Learn the basic principles involved in Head and Neck radiation planning
9. Learn the basic principles involved in chemotherapy, clinical assessment and evaluation of toxicities in Head and Neck cancer patients

Rotation Activities:
- Two-week rotation in Head and Neck Surgery
- One-week rotation with Head and Neck Radiation Oncology
- One-week rotation with Head and Neck Medical Oncology

We will modify accordingly for students interested in two-week rotation.

Patient Encounters:

Evaluation:
Students will be evaluated by the course director at the end of the rotation, with input from faculty members and residents and fellows with whom the student has worked.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

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<tr>
<th>Oncologic Sciences</th>
<th>MEL 8831</th>
<th>MCC</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
<th>10</th>
<th>0</th>
<th>80</th>
<th>2.4</th>
<th>Kiluk, John</th>
<th>Clinical</th>
</tr>
</thead>
</table>
Contact: Dr. John Kiluk
John.Kiluk@moffitt.org

Report to: John.Kiluk@moffitt.org prior to the rotation for instructions

Description:
This elective is designed for medical students who wish to gain an in-depth experience in surgical oncology. The course ... in every aspect of patient care including: outpatient clinics, operative procedures, inpatient rounds, and tumor boards.

Objectives:
1. Expose students to the role of the surgeon in the diagnosis, management, and surveillance of cancer patients
2. Expose students to the importance other disciplines (medical oncology, radiation oncology, pathology, etc) play in the management of cancer patients
3. Introduce students to various emotional responses of patients to cancer and how best to manage these responses
4. Expose students to the basics of clinical research in the care of cancer patients
5. Educate students on advantages and disadvantages to different diagnostic tests, surgical choices, chemotherapy regimens, radiation, and screening techniques

Rotation Activities:
The student will be assigned to work with surgeons based on disease sites. These sites include: Breast, GI, GU, GYN, Head and Neck, Thoracic, and Orthopedics (as well as 2 days of medical oncology and 2 days of radiation oncology), procedures, inpatient rounds, and tumor boards.

Patient Encounters:

Evaluation:
The student will be evaluated by the course director at the end of the course. The evaluation will be based upon feedback from the attending surgeons that the student worked with. The course will be designed to be satisfactory or unsatisfactory.

Syllabus:

Visiting Students:
Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Approvals Required: Students interested in a Surgical Oncology elective at Moffitt need to contact John Kiluk to discuss the availability and application process. Approval may be dependent on availability of faculty that can be influenced by national meetings and vacations.
The objective of this elective is to provide the student with a basic understanding of the principles of medical oncology. The clinical experience should allow the student to gain additional knowledge and experience in the following areas:

1. Morphology, physiology, and biochemistry of blood, bone marrow, lymphatic tissue, and spleen
2. Etiology, epidemiology, natural history, diagnosis, pathology, staging, and management of neoplastic and hematologic disorders
3. Chemotherapeutic drugs, growth factors, and their mechanisms of action, clinical indications, and limitations
4. Students should be able to recommend when to order diagnostic tests and be able to interpret the laboratory test results
5. Pain management, palliative care, and psychosocial management of patients with hematologic and neoplastic disorders

Rotation Activities:
- Noon Lectures
- Tumor Boards

Patient Encounters:

Students will receive an evaluation by their preceptor.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.
Contact: Dr. Michael Jaglal
mjaglal@health.usf.edu

Report to: Email Dr. Jaglal prior to the start of the rotation for instructions on where to report.

Description: The objective of this elective is to attain a solid understanding of the pathophysiology, clinical manifestations, treatment options, disease staging, and diagnostic techniques of a variety of hematologic disorders. The clinical experience should allow the student to gain additional knowledge and experience in the following areas:

1. Morphology, physiology, and biochemistry of blood, bone marrow, lymphatic tissue and spleen
2. Etiology, epidemiology, natural history, diagnosis, pathology, staging and management of hematologic disorders
3. Chemotherapeutic drugs, growth factors and their mechanisms of action, clinical indications, and limitations
4. Assessment of tumor imaging by CT, MRI and nuclear imaging techniques
5. Multiagent chemotherapy protocols and combined modality therapies
6. Management of neutropenia and immunocompromised patients

Rotation Activities:

Rotate on inpatient hematology team at Moffitt Cancer Center

Patient Encounters:

At least 20

Evaluation:

Based on evaluation by attending on inpatient hematology

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Please contact Lorie Jennings and Dr. Michael Jaglal at least two months prior to the rotation
Contact:

Dr. Aliyah Baluch

Aliyah.Baluch@moffitt.org

Nichol Bonaparte

Management Assistant, Infectious Diseases

Nichol.Bonaparte@moffitt.org

Report to: Email Dr. Baluch prior to the start of the rotation for instructions on where to report.

Description:
Bone Marrow Transplant Infectious Disease (BMT ID) rotation is conducted at Moffitt Cancer Center. The BMT ID service is responsible for the care of patients undergoing bone marrow transplantation (BMT) and those with bone marrow failure. This rotation provides an opportunity for students to gain experience in the management of infections in the hematopoietic cell transplant population, with a focus on the unique challenges of immunocompromised patients.

Objectives:
1. Provide fundamental information that allows for the assessment and treatment of an infectious disease
2. Obtain an appreciation for the evolution of a patient’s care while in the hospital and understand how antimicrobial usage can affect it
3. Gain insight into the process of selecting antimicrobials and creating durations of therapy

Rotation Activities:
The main component of the rotation is daily rounds with the multidisciplinary team of an ID fellow, ID trained pharmacist, and a transplant nurse who specializes in BMT patients. Weekly ID rounds at James A. Haley VA Medical Center are also scheduled to facilitate learning from a Veterans Health Administration perspective. Additional microbiology rounds is also required. Additional research projects are available on request during the rotation.

Patient Encounters:

Evaluation:
Midway through the elective, there will be an informal evaluation process to allow the student to get early feedback as they progress. The evaluation process will include a variety of formats, such as case discussions, presentations, and written assignments. Feedback will be given back on the process of presentation skills and formulation of a good differential diagnosis from an ID perspective.

Syllabus:

Visiting Students:
Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

| Oncologic Sciences | MEL 8366 Adult Bone Marrow | MCC 1 - 11 Adult Med, Pri Care | 1 | 0 | 44 | 2,4 | Nieder, Michael | Clinical |
Transplant and Cellular Immunotherapy

Contact: Blackwell

Heydi.Blackwell@moffitt.org
(813) 745-6012

Dr. Michael Nieder

Michael.Nieder@moffitt.org
(813) 745-2191

Report to: Dr. Nieder prior to the start of the rotation for instructions on where to report.

Description:
The rotation will predominantly be an outpatient rotation focused on the evaluation of patients needing a blood & marrow transplant or cellular immunotherapy. Some students may wish to spend time on the Inpatient BMT or Cellular Therapy setting. In this setting, the student will participate in the evaluation and care of patients undergoing active follow-up and patients will be undergoing outpatient transplant and outpatient cellular therapy. Some students may wish to spend time on the Inpatient BMT or Cellular Therapy setting. In this setting, the student will participate in the evaluation and care of patients undergoing active follow-up and patients will be undergoing outpatient transplant and outpatient cellular therapy. Some students may wish to spend time on the Inpatient BMT or Cellular Therapy setting. In this setting, the student will participate in the evaluation and care of patients undergoing active follow-up and patients will be undergoing outpatient transplant and outpatient cellular therapy.

Objectives:
1. Have an understanding of the process of bone marrow transplantation and cellular immunotherapy.
2. Identify the different types of transplantation (syngeneic, allogeneic, and autologous) and the diseases in which each type of transplantation may play a role in therapy. Identify when Cellular Immunotherapy is a preferred treatment.
3. Identify common problems related to cellular immunotherapy & marrow transplantation such as cytopenias; infectious complications; GVHD; Cytokine Release Syndrome; as well as outline current medical means to support patients until marrow and immune recovery.

Rotation Activities:
- Actively participate in the evaluation and care of patients in the Outpatient BMT CI Clinics and Treatment Center
- Optional Inpatient care is available for those students who wish to rotate

Patient Encounters:
- Evaluation: No written test; Attending physicians will provide feedback

Syllabus:

Visiting Students:
- Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
### Oncology Sciences

**MEC 7740 Radiation Oncology**

- **Contact:** Angie Courtney
  - Angie.Courtney@moffitt.org
- **Report to:** Angie Courtney
  - Angie.courtney@moffitt.org
  - MCC 4135
  - (813) 745-8535

**Description:**
The Department of Radiation Oncology, Moffitt Cancer Center, provides comprehensive, patient-oriented care for all types of cancers, using a multidisciplinary approach to treatment. Students will attend regularly scheduled tumor board conferences and didactic programs as assigned by their preceptor(s).

**Objectives:**
1. Medical Students will participate in all aspects of Radiation Oncology including clinical treatment planning, treatment delivery, medical physics, dosimetry, simulation, and port film evaluation.
2. Students will understand the natural history of cancers, the role of radiation therapy in the treatment of cancer, and the role of the radiation oncologist in the multidisciplinary team.
3. Students will learn how to conduct a thorough history and physical examination and how to examine patients to assess tumor response and progression.
4. To enhance the clinical experience and further knowledge, students will be required to do some reading of textbooks and the medical literature as assigned by their preceptor(s).

**Rotation Activities:**
1. Read at least 10 pertinent articles from the medical literature
2. Attend all departmental conferences and multidisciplinary conferences with the preceptors
3. Participate in simulations, procedures, follow-ups, on treatment visits and treatment planning
4. Present a 15 minute PowerPoint talk on a topic defined with the assistance of the faculty preceptor

**Patient Encounters:**

**Evaluation:**
At the completion of the elective, training faculty and students will complete performance evaluations.

**Syllabus:**

**Visiting Students:**
Apply via
## Oncologic Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Yr</th>
<th>Status</th>
<th>Credits</th>
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<td>MEL 9999G</td>
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<td>0</td>
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</tbody>
</table>

### Contact:

USF Eye Institute Administrative Offices
1st Floor FOB
First day of rotation

### Description:
This course teaches the ophthalmic signs and symptoms of systemic medical disease through lectures and patient encounters. The course is designed for students who are primarily interested in the specialties of medicine, pediatrics, neurology, and ophthalmology.

### Objectives:
Students will have basic knowledge of the anatomy, clinical examination, and pathology of diseases affecting the eye.

### Rotation Activities:
Attendance in clinics and surgeries of subspecialties

### Patient Encounters:

### Evaluation:

- Clinical History taking and examination will be evaluated by the attendings and a weekly feedback will be given.

- Other methods of evaluation may include written examinations, case studies, and presentations.

- Students will be evaluated on their ability to perform clinical history taking, physical examination, and interpretation of diagnostic tests.

- Feedback will be provided to students throughout the rotation to facilitate continuous improvement.

- Students will be expected to attend all scheduled rotations and be punctual and prepared for each encounter.

- Attendance and participation in all required activities will be monitored and recorded.

- Students who do not meet the attendance and participation requirements may be asked to withdraw from the rotation.

- Students who exhibit poor clinical judgment or behavior may be asked to withdraw from the rotation.

- Students who fail to meet the minimum requirements for evaluation may be asked to withdraw from the rotation.

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- Students who fail to meet the minimum requirements for evaluation may be asked to withdrawal C...
2. Students will get weekly assessments of their performance

3. Students will also get feedback and final assessment at the end of the rotation.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
N/A

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**Ophthalmology**

<table>
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<tr>
<th>MEL 8501 Medical Ophthalmology</th>
<th>LVHN</th>
<th>Yr 4 Status</th>
<th>1</th>
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<th>44</th>
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<th>Saad, Christi ne</th>
<th>Clinical</th>
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**Description:**
Students will rotate through an outpatient ophthalmic office and will be exposed to general ophthalmology. Students will ... and treat primary ophthalmic conditions including dry eye syndrome, cataract, glaucoma, and macular degeneration.

**Objectives:**
1. Learn how medical conditions affect the eyes
2. Identify and treat basic ophthalmic conditions
3. Perform a basic eye exam, including slit lamp exam, direct and indirect ophthalmoscopy
4. Learn basics of ophthalmic equipment including topography, biometry, and visual field tests
5. Learn how to triage ophthalmic complaints and learn when to refer and when to treat in a primary care setting

**Rotation Activities:**
Outpatient care of patients with attention to basic exam components and equipment

**Patient Encounters:**
Outpatient LVHN 1 - 11 Yr 4 Status 1 0 44 2,4 Saad, Christi ne Clinical

Contact:
Robert Thompson, Practice Manager
LVPG Ophthalmology
Robert.Thompson@lvhn.org
(610) 969-2343

Report to:
To be determined by practice manager prior to start of elective

Description:
Students will rotate through an outpatient ophthalmic office and will be exposed to general ophthalmology. Students will ... and treat primary ophthalmic conditions including dry eye syndrome, cataract, glaucoma, and macular degeneration.

Objectives:
1. Learn how medical conditions affect the eyes
2. Identify and treat basic ophthalmic conditions
3. Perform a basic eye exam, including slit lamp exam, direct and indirect ophthalmoscopy
4. Learn basics of ophthalmic equipment including topography, biometry, and visual field tests
5. Learn how to triage ophthalmic complaints and learn when to refer and when to treat in a primary care setting

Rotation Activities:
Outpatient care of patients with attention to basic exam components and equipment

Patient Encounters:
### Evaluation:

### Syllabus:

### Visiting Students:

No

### Special Instructions:

Prior Approval is Required.

### Ophthalmology:

**Course:**

- **Course Code:** MEL 8506
- **Course Name:** Cornea/External Disease

**Status:**

- **Year 4:** 1 - 11
- **Year 3:** 9 - 11

**Yr 4 Status:** 1 0 44 2, 4

**Espana, Edgar**

**Clinical:**

### Contact:

**Report to:** Institute Administrative Offices

**1st Floor FOB**

**First day of rotation**

### Description:

This course is designed for students interested in ophthalmology as a career. Students will participate in the clinic and surgeries. They are required to present and discuss a patient they have evaluated during the course at the departmental case conference.

### Objectives:

Students will have basic knowledge of the anatomy, clinical exam, and pathology of diseases affecting the cornea.

### Rotation Activities:

- Attendance in clinic and surgeries

### Patient Encounters:

### Evaluation:

Students on this rotation will be evaluated through the following methods:

1. Clinical History taking and examination will be evaluated by the attendings and a weekly feedback will be given.

2. Students will get weekly assessments of their performance.

3. Students will also get feedback and final assessment at the end of the rotation.

### Syllabus:
### Ophthalmology Elective: Retinal MEL 8507

#### Visiting Students:
No

#### Special Instructions:
N/A

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<td>1. Clinical History taking and examination will be evaluated by the attendings and a weekly feedback will be given</td>
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<td>(Yr 4); 9 - 11 (Yr 3)</td>
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<td></td>
<td></td>
<td>2. Students will get weekly assessments of their performance</td>
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<td>3. Students will also get feedback and final assessment at the end of the rotation.</td>
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</table>

#### Description:
The course is designed for students interested in ophthalmology as a career. Students will participate in the clinical activities at the USF Eye Institute. They will get an introduction to ophthalmology and learn about the diseases affecting the eye. The course will cover the anatomy, clinical exam, and pathology of diseases affecting the cornea.

#### Objectives:
Students will have basic knowledge of the anatomy, clinical exam, and pathology of diseases affecting the cornea.

#### Rotation Activities:
Attendance in clinic and surgeries

#### Syllabus:
Visiting Students:
No

#### Special Instructions:
N/A
Retinal Elective

Click here for additional course information

Contact: Robert Thompson, Practice Manager
LVPG Ophthalmology
Robert.Thompson@lvhn.org
(610) 969-2343

Report to: To be determined by practice manager prior to elective

Description: Students will evaluate patients with diabetic retinopathy, hypertensive retinopathy, senile macular degeneration, retinal detachment, and uveitis. They will present a patient they have evaluated during the second week of the elective.

Objectives:
1. Learn how medical conditions affect the retina
2. Identify and treat basic retina conditions
3. Perform a basic eye exam, including slit lamp exam, direct and indirect ophthalmoscopy
4. Learn basics of ophthalmic equipment including topography, biometry, and visual field testing
5. Learn how to triage retinal complaints and learn when to refer and when to treat in a primary care setting

Rotation Activities:
Outpatient care of patients with retinal pathophysiology

Patient Encounters:
Evaluation will be determined by daily performance observed during the 4-week elective period.

Syllabus:
Visiting Students: No

Special Instructions: N/A
Contact: TBD
Report to: USF Eye Institute Administrative Offices
1st Floor FOB
First day of rotation

Description:
This course is designed for students interested in ophthalmology as a career. Glaucoma is one of the most common causes of blindness. The study and treatment of glaucoma is a major responsibility within ophthalmology. Students will perform a comprehensive evaluation of an interesting patient or the results of a research project at the departmental teaching conference is required.

Objectives:
Students will have basic knowledge of the anatomy, clinical exam, and pathology of the disease of glaucoma.

Rotation Activities:
Attendance in clinics and surgeries

Patient Encounters:

Evaluation:
Students on this rotation will be evaluated through the following methods:
1. Clinical History taking and examination will be evaluated by the attendings and a weekly feedback will be given.
2. Students will get weekly assessments of their performance.
3. Students will also get feedback and final assessment at the end of the rotation.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
Description:
This elective is designed to introduce 3rd year medical students to the subspecialty of pediatric orthopaedic surgery. It provides a comprehensive overview of common orthopaedic conditions treated in children, adolescents, and young adults. The objective of this rotation is to prepare students for a career in orthopaedic surgery with a focus on pediatric patients.

Objectives:
- Students will gain knowledge and exposure to acute and chronic conditions including fractures, congenital anomalies, infections, and neuromuscular conditions.
- Students will participate in clinics and surgery, as well as didactic sessions and case reviews.

Rotation Activities:
- Daily rounds
- Dressing changes
- Seeing consults
- Assisting in fracture reduction and splinting
- Scrubbing into the operating room

Patient Encounters:

Contact:
Nicole Rives
nrives@health.usf.edu

Report to:
St. Pete Location
Bayboro Office Building
625 6th Avenue South, Suite 450
St. Petersburg, FL 33701
727-898-BONE (2663)

Located directly across the street from Bayfront Medical Center Emergency Room. If you will be traveling on Interstate 275, take exit 22 (old exit #9) to Sixth Street South and turn right on 6th Street. Our building is on the right hand side, north of Bayfront Hospital and west of the new center of excellence for the treatment of all orthopaedic conditions in children, adolescents, and young adults.

Attendings:
Paul Benfanti, MD – Site Director
Scott W. Beck, MD
Jeff B. Neustadt, MD
Gregory V. Hahn, MD
Drew Warnick, MD
Debi Mitchell – Office Coordinator
**Evaluation:**
Upon completion of this elective, the student should have a basic understanding of the recognition and management of.../critical reflection of what they have learned during the rotation. This write-up will be evaluated by Dr. Benfanti.

**Syllabus:**

**Visiting Students:**
No

**Special Instructions:**
N/A

**Ortho MDT 8600C Intro to Orthopaedic Peds**
Click here for additional course information

<table>
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<th>MDT</th>
<th>USFMS</th>
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<th>40</th>
<th>2</th>
<th>Maciel, Maureen</th>
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</table>

**Contact:**
Nicole Rives
nrives@health.usf.edu

**Report to:**
Shriners Hospital for Children
12502 USF Pine Drive
Tampa, FL 33612
(813) 975-7117 - Office
(813) 975-7129 - Fax
Located on USF Main Campus

**Attendings:**
Maureen Maciel, MD, Site Director
Joseph Khoury, MD
Cheryl Lawing, MD

**Description:**
This elective is designed to introduce 3rd year medical students to the subspecialty of pediatric orthopaedic surgery.

**Objectives:**
Students will gain knowledge and exposure to a wide variety of acute and chronic conditions.

**Rotation Activities:**
Seeing patients in clinic, scrubbing into the operating room, attending departmental conferences, and interpreting relevant imaging.

**Patient Encounters:**
USFMS 1 - 11 None, Yr 3 only 1 0 40 2 Maciel, Maureen Clinical
Evaluation: Upon completion of this elective, the student should have a basic understanding of the recognition and management of traumatic musculoskeletal injuries. The student should be able to evaluate patients with traumatic musculoskeletal injuries and understand the principals of orthopaedic trauma management. The student will be evaluated by Dr. Maciel at the end of the elective.

Syllabus:

Visiting Students: No

Special Instructions: N/A

Ortho  MDT 8600D Intro to Orthopaedic Trauma

Click here for additional course information

Contact: Nicole Rives
nrives@health.usf.edu

Report to: Harbourside Medical Tower, Suite 710
Monday morning, 7AM

Description: This elective is designed to introduce 3rd year medical students to the subspecialty of orthopaedic trauma and fracture care. Students will participate in twice-weekly sub-specialty fracture conferences during their elective rotation. Students will see patients at Tampa General Hospital on the in-patient wards, intensive care unit, and emergency department. Upon completion of this elective, the student should understand the principals of orthopaedic trauma management. The student will be evaluated by the trauma attending, H. Claude Sagi at the end of the elective.

Objectives:

1. Evaluate patients with traumatic musculoskeletal injuries
2. Observe the reattachment of severed limbs or digits
3. Observe the repair of traumatic upper/lower extremity fractures
4. Learn the principles of fracture reduction and cast application

Rotation Activities: Daily rounding, dressing changes, seeing consults, assisting in fracture reduction and splinting, and scrubbing into the operating room.

Patient Encounters:

The student will see patients at Tampa General Hospital on the in-patient wards, intensive care unit, and emergency department. Students will participate in twice-weekly sub-specialty fracture conferences during their elective rotation. Upon completion of this elective, the student should understand the principals of orthopaedic trauma management. The student will be evaluated by the trauma attending, H. Claude Sagi at the end of the elective.
Orthopaedics Acting Internship

Contact: Nicole Rives
nrives@health.usf.edu

Report to: Will be provided one week prior to the start of the rotation.

Description: Students will also have the opportunity to work with the faculty and residents of the Department of Orthopaedics & Sports Medicine. Students will have the opportunity to work with the faculty and residents of the Department of Orthopaedics & Sports Medicine. Students will have the opportunity to work with the faculty and residents of the Department of Orthopaedics & Sports Medicine. Students will have the opportunity to work with the faculty and residents of the Department of Orthopaedics & Sports Medicine.

Objectives:
1. Understand the anatomy and physiology of the musculoskeletal system, with emphasis on the upper and lower extremities and joints
2. Accurately diagnose, properly manage, and appropriately consult for common orthopedic conditions and emergencies
3. Understand which x-rays are appropriate to order for each common condition, and how to interpret them
4. Demonstrate understanding of aspiration and injection techniques
5. Explain the treatment of simple and complex fractures, bone infection and neoplasms
6. Demonstrate understanding of the management of complex soft tissue injuries as they relate to the musculoskeletal system
7. Demonstrate knowledge of the elements of the orthopaedic examination of the injured patient
8. Understand the multidisciplinary role of the Orthopedic Surgeon, Physician Assistant, Nurse, Physical Therapist and Athletic Trainers in the provision of coordinated, safe and high quality Orthopaedic care

Rotation Activities:
Students will participate in the weekly orthopaedic core lecture series on Friday mornings from 7 am - 9 am. Students will participate in the weekly orthopaedic core lecture series on Friday mornings from 7 am - 9 am. Students will participate in the weekly orthopaedic core lecture series on Friday mornings from 7 am - 9 am. Students will participate in the weekly orthopaedic core lecture series on Friday mornings from 7 am - 9 am.

Patient Encounters:
Evaluations will be done on an individual basis by the clinical preceptors and will be based on...
### Syllabus:

**Visiting Students:**
- Yes.
- Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**
- N/A

### Ortho

<table>
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### Ortho

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### Otolaryn

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</tbody>
</table>

Click here for additional course information

### Contact:
- Kayla McCollum
  - kmccoll2@health.usf.edu
  - (813) 974-2406

### Report to:
- Varies based on the site of rotation. Tentative rotation schedule will be sent to student the week prior to the start of rotation detailing where they should report.

### Description:
- This clinical preceptorship is designed to provide an in-depth experience in the practice of otolaryngology and should be of particular interest to students who are considering career options in this area.
- Students will also participate in specialty conferences during their elective rotation.

### Objectives:
- The objective is to provide greater exposure to the field of otolaryngology than what is possible in the basic surgical curriculum.
- This experience is offered to students who are considering specialization in this field.

### Rotation Activities:
- By the completion of the elective, all students will be able to demonstrate proficiency in the otolaryngological head and neck region.

### Patient Encounters:
- Click here for additional course information
Evaluation:
The formal evaluation will be prepared by otolaryngology faculty based on the following: fund of medical knowledge, knowledge of evidence-based medicine, technical skills in otolaryngology, communication and rapport with patients and families and subjective elements of interpersonal relationships, motivation, and ability.

Syllabus:

Visiting Students:
Yes.
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
N/A

Contact:
Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report to:
To be determined prior to start of rotation

Description:
This clinical preceptorship is designed to provide an in-depth experience in the practice of otolaryngology and should be completed prior to any formal training in the field. Trainees will follow patients from their initial presentation to the hospital through their admission, and will follow them upon their admission to the hospital. They will assist at the operative procedures of the medical staff and will follow them upon their admission to the hospital. They will assist at the operative procedures of the medical staff and will follow them upon their admission to the hospital. They will also participate in specialty conferences during their elective rotation.

Objectives:
The objective is to provide greater exposure to the field of otolaryngology than what is possible in the basic surgical rotations of the student.

Rotation Activities:
By the completion of the elective, all students will be able to demonstrate proficiency in the otolaryngological head and neck, and will follow them upon their admission to the hospital. They will assist at the operative procedures on selected patients and will follow them upon their admission to the hospital. They will also participate in specialty conferences during their elective rotation.

Patient Encounters:

Evaluation:
The formal evaluation will be prepared by otolaryngology faculty based on the following: fund of medical knowledge, knowledge of evidence-based medicine, technical skills in otolaryngology, communication and rapport with patients and families and subjective elements of interpersonal relationships, motivation, and ability.

Syllabus:

Visiting Students:
### Otolaryngology Externship

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<td>4-6, 7B-11</td>
<td>Yr 4</td>
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</table>

**Contact:**
Davida Leayman  
Davida_M.Leayman@lvhn.org  
(610) 402-2554

**Report to:**  
Dr. Dennis Cornfield  
Dept of Pathology  
Dennis.cornfield@lvhn.org  
(610) 402-4327

**Description:** Students will observe and participate in the daily activities in Anatomic Pathology, including forensic pathology. Participation in department meetings, journal clubs, and conference presentations will be encouraged. The role of the pathologist as counselor, educator, and consultant will be demonstrated.

**Objectives:**

1. Describe the limitations and benefits of a frozen section
2. Analyze the role of the pathologist in different professional activities
3. Analyze important features, including pertinent molecular aspects of select cases encountered
4. Demonstrate appropriate handling and processing of a tissue specimen from its receipt in the Pathology gross room until its status as a finished product on a glass slide
5. Identify major histologic abnormalities in different organ systems
### Rotation Activities

Activities include observation of tissue processing in the grossing room; attendance of autopsies; and preparation and reporting of frozen sections.

### Patient Encounters:

None

### Evaluation

Evaluation will be based on assessment of the above objectives by members of the Department of Pathology.

### Syllabus:

Visiting Students:

Lehigh Valley Network on VSAS.

### Special Instructions:

### Path

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<th>3 - 11</th>
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<th>Riddle, Nicole</th>
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**Contact:**

Mabelle Burnham

mburnham@health.usf.edu

**Report to:**

TGH: B232

8:00 AM on the first scheduled day to Dr. Nicole Riddle. Confirm rotation the week prior with above named contact.

**Description:**

The objective of this course is to strengthen the students in areas of anatomic pathology relevant to the practice of medicine.

**Objectives:**

1. Describe the limitations and benefits of a frozen section
2. Analyze the role of the pathologist in different professional activities
3. Analyze important features, including pertinent molecular aspects of select cases encountered
4. Demonstrate appropriate handling and processing of a tissue specimen from its receipt in the Pathology gross room until its status as a finished product on a glass slide
5. Identify major histologic abnormalities in different organ systems

**Rotation Activities:**

Students will observe and participate in the daily activities in Anatomic Pathology, including conferences.
**Evaluation** will be based on assessment of the above objectives by members of the Department.

**Syllabus:**

**Visiting Students:**
Apply via [USF Health Morsani College of Medicine](#) on VSAS.

**Special Instructions:**
N/A

<table>
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<tr>
<th>Path</th>
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<tbody>
<tr>
<td>T-VAH</td>
<td>3 - 11</td>
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</table>

Contact: Michelle Burnham
mburnham@health.usf.edu

Report to: T-VAH: 1D-171 (Resident’s room)
8:00 AM on the first scheduled day

**Description:**
The objective of this course is to strengthen the students in areas of anatomic pathology relevant to the practice of medicine. Particular attention will be given to correlation between clinical information and pathologic findings.

**Objectives:**
1. Analyze the role of the pathologist in different professional activities (to focus on anatomic pathology)
2. Analyze important features of selected cases and the interplay with other areas of pathology
3. Demonstrate appropriate handling and processing of a tissue specimen from receipt within the pathology gross room until its status as a finished product on a glass slide
4. Identify major histologic abnormalities in different organ systems
5. Describe the limitations and benefits of frozen section

**Rotation Activities:**
Students will observe and participate in the daily activities in Anatomic Pathology, including autopsies, practical tissue handling, and participation in conferences. The role of the pathologist as consultant and educator will be demonstrated.

**Patient Encounters:**
N/A
Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Contact the Pathology & Laboratory Medicine Service secretary (813) 972-20

Path	BMS 7664 Flexible Elective in Pathology

MCC 1, 4-11 None 1 0 44 2,4 Hakam, Ardeshir

Contact:
Ardeshir Hakam
Ardeshir.Hakam@moffitt.org
(813) 745-1874

Report:
Ardeshir Hakam
MCC 2070B
Dr. Prudence Smith
MCC 2070A

Description:
Rotations in gross/FS (2-3 days), Cytopathology (2 days) and other fields of pathology subs.

Objectives:
The objective of this elective is to gain experience regarding the practice of pathology for tho

Rotation Activities:
Gross & Frozen Section Pathology
In the initial few days, students are stationed in the frozen section room where they shadow a

Systemic Pathology
This portion of the elective involves the process diagnosis of tissue prepared during gross e;

Cytopathology (Sign out & Intra-Operative Evaluation)
During this assignment, students shadow the resident(s) and Fellow on the cytology service.

**Autopsy Pathology**

On this service, the student accompanies the resident(s) to the autopsy suite when there is a post mortem examination. The student can also assist in handling of multiple specimen sets.

**Patient Encounters:**

Evaluation of patient pathologists will evaluate the student using a standardized student evaluation form.

**Syllabus:**

**Visiting Students:**
Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

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<th>Bulkeley, William</th>
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</table>

**Contact:**

Mabelle Burnham
mburnham@health.usf.edu

**Report to:**

T-VAH: 1D-171 (Resident’s room)
8:00 AM on the first scheduled day

**Description:**

The objective of this elective is to gain experience regarding the practice of pathology for those students considering a future career in pathology.

**Objectives:**

1. Analyze the role of the pathologist in different professional activities (including anatomic pathology and clinical pathology).
2. Analyze important features of selected cases and the interplay with other areas of pathology.
3. Demonstrate appropriate handling and processing of a tissue specimen from receipt within the pathology gross room until its status as a finished product on a glass slide.
4. Identify major histologic abnormalities in different organ systems.
**Rotation Activities:**

Students will observe and participate in the daily activities in Anatomic and Clinical Pathology, including autopsy, surgical pathologist for teaching purposes, and an intern. The pathologist as consultant and educator will be demonstrated. The daily activities may vary depending on availability.

**Patient Encounters:**

**Evaluation:**

The staff pathologists will evaluate the student using a standardized student evaluation form.

**Syllabus:**

**Visiting Students:**

Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

Contact the Pathology & Laboratory Medicine Service secretary (813) 972-2000 x2139 or x7525 as soon as possible. Students should contact the Pathology & Laboratory Medicine Service secretary as soon as possible to complete all VA certification requirements.

**Path** | **BMS** | **T-VAH** | **None** | **1** | **0** | **44** | **2,4** | **Bulkeley, William**
---|---|---|---|---|---|---|---|---
Pathology 7666 Clinical Cytopathology | T-VAH 1, 3-11 | None | 1 | 0 | 44 | 2,4 | Bulkeley, William

**Contact:** Michelle Burnham
mburnham@health.usf.edu

**Report to:** T-VAH: 1D-171 (Resident's room)
8:00 AM on the first scheduled day

**Description:** The objective of this course is to introduce the students to the principles used by the cytopathologist to recognize cancer and neoplasms. There may be opportunities to observe procedures as well.

**Objectives:**

1. Analyze the roll of the cytopathologist in different professional activities
2. Analyze important features of selected cases and the interplay with other areas of pathology
3. Understand the common specimen types and processes utilized in cytopathology
4. Demonstrate appropriate handling and processing of a tissue specimen from receipt within the pathology gross room until its status as a finished product on a glass slide.

**Rotation Activities:**

Students will review selected cytologic specimens during regular "sign out" sessions. The student will observe the daily activities in Anatomic and Clinical Pathology, including autopsy, surgical pathologist for teaching purposes, and an intern. The pathologist as consultant and educator will be demonstrated. The daily activities may vary depending on availability.

**Patient Encounters:**
Evaluation: The staff cytopathologist will evaluate the student using a standardized student evaluation form.

Syllabus:

Visiting Students: Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: Contact the Pathology & Laboratory Medicine Service secretary (813) 972-20

<table>
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<tr>
<th>Path</th>
<th>BMS 7666 Clinical Cytopathology</th>
<th>MCC 1, 4-11</th>
<th>Yr 4 Status</th>
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<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Hakam, Ardeshir</th>
</tr>
</thead>
</table>

Contact: Ardeshir Hakam
Ardeshir.Hakam@moffitt.org
(813) 745-1874

Report: Ardeshir Hakam
MCC 2070B
Dr. Prudence Smith
MCC 2070A

Description: Participation in screening and sign out of cytopathology cases and performing FNAs done by cytopathologists.

Objectives: The objective of this course is to introduce the students to the principles used by the cytopathologist to recognize malignant cells.

Rotation Activities:

- **Gross & Frozen Section Pathology**
  - In the initial 2-3 days, students are stationed in the frozen section room where they shadow &
  - **Cytology preparation**
    - Students will be rotating in the cytology preparation laboratory where they learn about the te
Cytopathology (Sign out & Intra-Operative Evaluation)

During this assignment, students shadow the resident(s) and Fellow on the cytology service, and sign out with the attending cytopathologist. They will also participate in intraoperative imprint cytology slide preparation and diagnosis of sentinel lymph nodes.

Patient Encounters:

Minimal (FNA)

Evaluation:
The staff cytopathologist will evaluate the student using a standardized student evaluation form.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Clearance from USF/Moffitt prior to start of rotation

Path | BMS 7667 Elective in Lab Medicine | T-VAH | Yr 4 Status | 1 | 0 | 44 | 2,4 | Bulkeley, William
---|---|---|---|---|---|---|---|---
Pathway | | 1, 3-11 | | | | | | |

Contact:

Michelle Burnham
mburnham@health.usf.edu

Report to:

T-VAH: 1D-171 (Resident’s room)
8:00 AM on the first scheduled day

Description:

The objective of this elective is to acquaint the student with appropriate technical and interpretative laboratory tests. The student will be expected to attend pathology conferences.

Objectives:

1. Analyze the role of the clinical pathologist in different professional activities
2. Analyze important features of selected cases and the interplay with other areas of pathology
3. Become familiar with the processes and procedures utilized in various areas of clinical pathology

Rotation Activities:

The student will participate under supervision in several areas of the clinical laboratory of his/her choice.

Patient Encounters:
**Evaluation:**
The staff pathologists will evaluate the student using a standardized student evaluation form.

**Syllabus:**

**Visiting Students:**
Apply via [USF Health Morsani College of Medicine on VSAS](#).

**Special Instructions:**
Contact the Pathology & Laboratory Medicine Service secretary (813) 972-20...

Rotation must be approved by the course director prior to scheduling.

<table>
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<th>Path</th>
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<th>HCME 1, 5-6, 8-11</th>
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**Contact:**
Michelle Burnham
mburnham@health.usf.edu

**Report to:**
Hillsborough County Medical Examiner, Main Entrance
8:00 AM on the first scheduled day

**Description:**
The rotation consists of daily exposure to and participation in, forensic autopsies conducted...

**Objectives:**
1. Learn to correlate autopsy findings with clinical information and information derived from...
2. Learn to complete death certificates in a manner acceptable to the Office of Vital Statistics
3. Learn anatomy pertinent to the future clinical practice specialty of the student
4. Gain an understanding of the working relationships between forensic pathologists and other professionals...

**Rotation Activities:**
1. Assist with autopsies on the bodies of persons dead from suicide, accident, and natural disease...
2. Review pertinent medical literature for selected cases
3. Accompany staff during testimony under oath at criminal and civil trials and at depositions...
4. Accompany staff during death scene investigations (evening and night call-out optional)

5. Participate in departmental conferences. These comprise a working case conference thrice weekly, a pending (case study) case conference weekly, a photo review conference weekly, and a fixed brain and heart cutting conference weekly.

6. Present an informal talk on a topic of personal interest related to autopsy pathology or anatomy for extra credit.

Patient Encounters:

Evaluation is based on feedback from direct daily observation by attending physicians and the forensic fellow.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special requirements:

Path | Course Code | T-VAH | None | 1 | 0 | 44 | 4 | Contact
--- | --- | --- | --- | --- | --- | --- | --- | ---
Path 8661 Research in Pathology | T-VAH | 1-6, 8-11 | None | 1 | 0 | 44 | 4 | Michelle Burnham

mburnham@health.usf.edu

Report to: 1D-171 (Resident’s room)

8:00 AM on the first scheduled day

Description:
The student will conduct investigative work in human or experimental pathology under the supervision of the senior investigator.

Objectives:
The primary objectives of this course are to teach the basic principles of investigative work with emphasis on:

1. Formulation of a specific hypothesis
2. Critical analysis of pertinent literature
3. Development of an appropriate experimental design to test the hypothesis
4. Appreciation of methodological limitations and pitfalls
5. Analysis and interpretation of experimental data

Rotation Activities:
The student will conduct investigative work in human or experimental pathology under the supervision of the senior investigator. Specific activities will vary and are dependent upon the agreed upon research project.

Patient Encounters:
Evaluating the student’s interest, initiative, and progress through daily interactions and at weekly research conferences
Evaluating the student’s problem solving ability and diligence in the performance of realistic research assignments
Evaluating the student’s judgment and critical approach in assigned library work as well as in analyzing and interpreting experimental data
The staff pathologists will evaluate the student using a standardized student evaluation form

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Contact the Pathology & Laboratory Medicine Service secretary (813) 972-20
The senior investigator conducting the research must sign off on the rotation and notify the course director prior to scheduling of the rotation.

Path | BMS 8661 Research in Pathology | MCC | 1-6, 8-11 | None | 1 | 0 | 44 | 4 | Messina, Jane

Contact: Michelle Burnham
mburnham@health.usf.edu

Report to: Dr. Jane Messina
8:00 AM on the first scheduled day

Description:
The Research in Pathology elective is designed for students interested in pursuing a career in pathology. Any core or affiliate faculty member of the USF Department of Pathology can supervise the student during this elective.

Objectives:
The primary objectives of this course are to teach the basic principles of investigative work with emphasis on:

1. Formulation of a specific hypothesis
2. Critical analysis of pertinent literature

3. Development of an appropriate experimental design to test the hypothesis

4. Appreciation of methodological limitations and pitfalls

5. Analysis and interpretation of experimental data

**Rotation Activities:**

Conduct investigative work in human or experimental pathology under the supervision of the senior investigator.

**Patient Encounters:**

Evaluating the student’s interest, initiative, and progress through daily interactions and at weekly research conferences.

1. Evaluating the student's problem-solving ability and diligence in the performance of realistic research assignments.

2. Evaluating the student's judgment and critical approach in assigned library work as well as in analyzing and interpreting experimental data.

3. The staff pathologists will evaluate the student using a standardized student evaluation form.

**Syllabus:**

**Visiting Students:**

Approval, dates, and duration of course must be arranged with the course director and a faculty mentor (if other than the course director) at the beginning of the academic year.

**Pathway Details:**

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**Special Instructions:**

Visiting Students: Approval, dates, and duration of course must be arranged with the course director and a faculty mentor (if other than the course director) at the beginning of the academic year.
Contact: Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report the first day after Pediatrics Morning Report, call Jennifer Redmond, CAC Office Coordinator, at (484) 633-0935. She reports to the 6th Floor (directly off the Green Elevators).

Description: This elective is designed to provide a basic structure of child abuse pediatrics as a specialty medical practice of child abuse pediatricians.

Objectives:

1. State the elements of a history and physical that are critical when non accidental trauma is suspected
2. Participate in the medical evaluation of alleged abuse in children and explain the role of the multidisciplinary team in the care of a child with suspected abuse
3. Recognize various conditions and injuries that require specialty child protection team evaluation
4. Recognize various conditions and injuries that initially appear to be related to abuse but either have a medical or reasonable accidental explanation
5. Outline when and how to report suspected child abuse
6. Discuss what the legal and child welfare systems need from pediatricians in the community
7. Understand the other specialties such as radiology, ophthalmology, neurosurgery, trauma
8. Describe community based partners such as CYS, Law Enforcement, District Attorney’s Office
9. Recognize the role of the Child Advocacy Center and Child Protection Team in the evaluation of child abuse

Rotation Activities:

Students will see patients at the medical center at LVHN, and, when available, different court cases. Students will have a presentation during the rotation. The topic will be selected by the student in discussion with the faculty preceptor.

Patient Encounters:

Evaluation will be completed by Dr. Esernio-Jenssen.

Syllabus:
Visiting Students: Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions: N/A

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<th>Pediatri Endocrinology</th>
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<td>MCAH 1 - 11</td>
<td>Yr 4 Status 1 0 40 4 Shulman, Dorothy</td>
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Contact: Dr. Dorothy Shulman
dshulman@health.usf.edu

For questions if not able to reach above contacts:
USF Health Peds Edu Dept (813) 259-8638

Report to: Will be provided one week prior to the start of the rotation

Description: This course offers the student in-depth exposure to a wide variety of endocrine related problems and diseases in children and adolescents.

Objectives:
- Students will gain an understanding of the management of common and complex endocrine diseases in children of all ages.
- Students will be expected to attend regularly scheduled research conferences and clinical conferences.
- Students will have the opportunity to see and provide care for children with disorders including pituitary, thyroid, bone/mineral, adrenal, growth, puberty, gonad, and sexual differentiation and diabetes.

Patient Encounters:
Evaluation of the student's performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

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Visiting Students: No

Special Instructions: Students will also rotate at Children's Medical Services.
MDE 8430  
Pediatri  

c Endocr inology  

Click here for additional course information

Contact: Tammy Winterhalt  
Tammy.Winterhalt@lvhn.org  
(484) 862-3149

Report to: The Pediatric Endocrinology office located at 401 North 17th Street, Suite 203, Allentown, PA 18103 after attending Pediatrics Morning Report on the first c

Description: This elective will provide medical students with an in-depth exposure to the diagnoses and m

e

Objectives:  
1. Differentiate between normal and pathological states related to endocrinology  
2. Evaluate and manage patients with presenting signs and symptoms that suggest an endoc
3. Demonstrate principles of growth and pubertal development important to the general pedi.
4. Understand the role of the Endocrinologist and primary care provider in preventing and ma.
5. Collaborate and effectively communicate with both general and specialist Pediatricians in 1
6. Effectively communicate with patients and families about endocrine conditions, including i

Rotation Activities: Students will see patients in the specialty center. They will have direct contact as well as obs

Patient Encounters:

Evaluation: Direct and timely feedback will be given to students by Endocrinologists. The evaluation will .

Syllabus:

Visiting Students:  
Lehigh Valley Network on VSAS.

Special Instructions:
### Objectives:

1. Learn to take a neurological history with an emphasis on the skills of talking and listening.
2. Perform an age-appropriate neurological examination and differentiate between normal and abnormal findings.
3. Learn how to use abnormal findings to localize the problem within either the central or peripheral nervous system.
4. Learn how to use the history and neurological examination to determine the nature of a pathological process.
5. Indications and selective use of neurodiagnostic studies such as electroencephalogram, electromyography, and nerve conduction study, computerized brain tomography, magnetic resonance imaging, and angiogram.
6. Diagnose and understand the pathophysiology of, and know how to manage common neurological conditions of infants and children.
7. Learn about neurological emergencies in children and basic principles of their management.

### Rotation Activities:

The student will provide patient care under close faculty supervision. The student is expected to either provide a discussion of a selected topic or present a patient management case toward the end of the rotation.

### Patient Encounters:

### Evaluations

Students will be evaluated by the preceptor using the following methods:

- Clinical evaluation with same-day feedback
- Written (24 questions) examination at the end of rotation
- Oral presentation of a topic of interest
Grades are determined by: 50% clinical evaluation, 25% written examination, and 25% oral presentation.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Transportation may be needed for travel between hospitals and clinics.

<table>
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<tr>
<th>Peds</th>
<th>MDE 8470 Child Neurology</th>
<th>LVH-CC</th>
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</table>

Contact:
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to:
Pediatric Neurology office located at 1210 S. Cedar Crest Blvd, Suite 2400, on the Cedar Cres.

Description:
This course will expose the student to various neurological disorders in infants and children.

Objectives:
1. Demonstrate an approach for taking a proper history and neurological exam and be able to
2. Justify the approach and use it to formulate an appropriate differential diagnosis
3. Identify the role laboratory data, neurophysiology, and neuroimaging have on the diagnosis.
4. Discuss and effectively communicate treatment or therapy options with patients, family members, and other members of the health care team.

Rotation Activities:
1. Student will complete a Pediatric Neurology orientation test questionnaire prior to start of the rotation and will review with the rotation leader.
2. Student will follow patients with one of three pediatric neurologists in the clinic setting each day.
3. Student will also join pediatric neurologists when consulting on the Inpatient Pediatric Unit.
4. Towards the end of the elective, student will present a case of interest to the pediatric neurology team.
5. Student should attend Pediatric Morning Report on Monday and Thursday mornings at 8:00 am.
6. Student should attend Pediatric Grand Rounds on Tuesday mornings at 8:00 am at the Cedar Crest site.

Click here for additional course information.
Patient Encounters:

Evaluation:

Patient encounter during the rotation will be assessed by supervising faculty with input from members of the clinical team.

Syllabus:

Visiting Students:

Visiting students are welcome. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A

Contact:

Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Description:

This course allows students to learn in a pediatric inpatient setting the basic principles and practice of pediatric sedation. The course places emphasis on the importance of providing safe care to children undergoing procedures that necessitate sedation. The course is designed to provide students with comprehensive training in the management of children who require sedation. Emphasis is placed on the review of relevant pharmacologic principles and techniques of sedative drugs and pain management.

Objectives:

1. Demonstrate the ability to conduct a comprehensive pre-sedation evaluation that includes a focused history and physical exam
2. Explain indications and contraindications for each sedative drug classification
3. Acquire and review pertinent medical records, select appropriate sedative and/or analgesics
4. Accurately calculate dosage and predict the effect the medication will have on patient
5. Demonstrate the ability to properly use equipment designed to monitor sedated child

Rotation Activities:

The course will begin on the first week of rotation. The student will work closely with the sedation doctor on Mondays, Wednesdays and Thursdays for scheduled outpatient procedures requiring sedation. On Tuesdays and Fridays, the student will work with the PICU physicians though there may not be sedations scheduled on those days.

Report:

On the first day of rotation (providing it is a Monday), at 7:30 am call the sedation doctor ASCOM phone at 610-402-0806 to find out where and what time to meet on the first day.

Arrive 30 minutes before scheduled start time of each sedation.

If no scheduled morning sedation, the student is to attend Pediatrics Morning Report on Mondays and Thursdays and Pediatric Grand Rounds on Tuesdays. These conferences take place at the Cedar Crest campus at 8:00 am.

Format:

The student will spend time observing the sedation doctor, the nurses and the medical team in the sedation suite. The student will participate in the patient's recovery and will perform a post-procedure sedation assessment.

Sedation

Click here for additional course information

Peds MDE 8511 Pediatric Sedation

Yr 4 Status 1 0 40 2 Umaru, Samuel Clinical

LVHN 1 - 11
**Patient Encounters:**

**Evaluation:** Students will be given feedback during the rotation from sedations doctors based on the above objectives. Rotation leader, sedations doctors and inpatient team, will complete student's evaluation form and will forward to the medical school.

**Syllabus:**

**Visiting Students:**
Lehigh Valley Network on VSAS.

**Special Instructions:**

| Peds | MDE 8361  
|      | Pediatric Pharmacology |
|      | LVH-CC 1 - 11  
|      | Yr 4 Status 1  
|      | 0 40 4  
| Wheatley, Kristin | Clinical |

**Contact:**

Kristin Held Wheatley, PharmD, BCOP  
Clinical Pharmacy Specialist, Pediatric Oncology/Infectious Diseases  
Program Director, PGY1 Pharmacy Residency  
Kristin_m.held@lvhn.org  
(610) 402-8340

**Report to:**  
Pharmacy Administration Office  
Lehigh Valley Hospital  
1200 S. Cedar Crest Blvd  
Allentown, PA 18103

**Description:**  
This clinical rotation provides an overview of pharmacologic principles related to the management of pediatric patients. Students will also develop and strengthen scientific literature searching skills and formulation of written responses.

**Objectives:**

At the completion of this clinical rotation, students will be able to:

1. Identify relevant patient data from the medical record to evaluate appropriateness of medication therapy in pediatric patients.
2. Utilize pharmacokinetic principles and patient data to determine the most appropriate drug dosage regimen and formulation.
3. Identify appropriate evidence-based literature and summarize relevant information to respond to drug information requests.
Rotation Activities:

Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will identify and review pertinent patient information in the medical record with a focus placed on review of the medical history, medication regimen, formulation, monitoring parameters, potential for drug-drug interactions, therapeutic duplications, omissions, etc.

2. Students will be expected to attend rounds as assigned by the preceptor as well as other assigned educational opportunities.

3. Students will be assigned drug information requests during the clinical rotation. The student will be expected to research the request, communicate an evidence-based response (either via written or verbal means) to the requester in a timely fashion.

Patient Encounters:

N/A

Evaluation:

Students on this rotation will be evaluated through the following methods:

1. Adequate preparation for rounds through discussion of patient’s medication regimens with the preceptor prior to rounding opportunities.

2. Completeness, accuracy of content, organization, and timeliness of drug information responses.

Learners will receive feedback on their performance through the following:

1. Feedback will be provided following observed interactions.

2. Feedback will also be provided at the midpoint and at the conclusion of the clinical rotation.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

The student is encouraged to contact Dr. Kristin Held Wheatley via email at least one week prior to the start of the clinical rotation to discuss date and time as well as location to meet on the first day of the rotation.

Contact:

Dr. Dan Mauriello
(727) 767-4106
Sara Mastry
(727) 767-4106

For questions if not able to reach the above contact:
Report to: Will be provided one week prior to the start of the rotation

Description: Principles of pediatric cardiology will be taught in outpatient and inpatient encounters at ACH-JHM. As a free-standing model, students will have the opportunity to participate in outpatient and inpatient cardiology rotations with attending physicians. An introduction to clinical or basic research in pediatric cardiology may also be coordinated pending project and faculty availability.

Objectives:
1. Understand the evaluation and treatment of heart murmurs, chest pain, palpitations, dizziness, and syncope
2. Understanding the evaluation and treatment of various forms of congenital heart disease: including septal defects, ventricular septal defects, tetralogy of Fallot, transposition of the great vessels, coarctation of the aorta, hypoplastic left heart syndrome, aortic valve stenosis, and aortic regurgitation
3. Understand the basic principles of electrocardiograms and be able to interpret and have a treatment strategy for basic arrhythmias

Rotation Activities:
Using the objectives above, the objectives will be achieved by the following tasks:

Students will attend daily cardiology clinics at All Children’s Hospital Johns Hopkins Medicine.

Students will participate in work up and care of cardiac patients including those admitted for cardiac catheterization.

Students are expected to participate in weekly conferences including cardiology specific conferences as well as resident noon conferences, JHUSOM Pediatric Grand Rounds and ACH-JHM Grand Rounds.

1. Outpatient cardiology clinics
   - daily cardiology clinics are held at All Children’s Hospital in St. Petersburg and multiple outpatient care centers (Tampa, USF, Sarasota, Pasco, Brandon, Lakeland, East Lake and Ft. Myers.

2. Inpatient Service
   - Students will participate in work-up and care of cardiac patients including those in the cardiology ICU, neonatal ICU, and inpatient consults on the general medicine floors or emergency room.

3. Sub-specialty rotations
   - all students will observe at least one of the following: open heart surgery and learn about cardiopulmonary bypass, cardiac electrophysiology and ablation, pediatric and adult heart disease, and interventional cardiology.

4. Educational Conferences
   - Participation in weekly disposition and educational conferences.

Patient Encounters:

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:

Special Instructions:

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Description:
This elective is designed to introduce fourth year medical students to the field of pediatric cardiology. Students will be able to see and care for pediatric patients up to the age of 18 in the outpatient setting.

Objectives:
1. Student will accompany an attending pediatric cardiologist to learn the essential elements of the pediatric cardiologic examination, history taking, and modes of therapy for different pediatric cardiac illnesses.
2. Student will familiarize themselves with what constitutes an innocent versus a pathologic murmur.
3. Student will understand the grading system of heart murmurs and modal auscultation for t
4. Student will learn the basic differences between the pediatric EKG and the adult EKG.
5. Student will learn basic concepts of both performance of echocardiography and reporting.
6. Student will become familiar with the most common pathologic entities of congenital heart disease and acquired heart disease in patients from a fetus until eighteen years of age.
7. Student will see patients in an outpatient setting and will participate in history taking and performance of physical examination.

Rotation Activities:
Student will spend each day with one of three pediatric cardiologists in the office setting. Student may join one of the three pediatric cardiologists for performance of echocardiography. Student will be scheduled to present at Pediatrics Morning Report towards the end of the rotation.

Patient Encounters:

Evaluation:
Upon completion of this elective, student should understand the principles and diagnosis of common congenital and acquired pediatric cardiology issues as well as understand the difference between innocent and pathologic murmurs.

Students will be evaluated based on their level of participation and improvement over the course of the elective.
**Syllabus:**

**Visiting Students:**
Lehigh Valley Network on VSAS.

**Special Instructions:**
N/A

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</table>

**Contact:**
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to:
After attending Pediatrics Morning Report on the first day, report to the Pediatric Inpatient Unit 4B on the 4th floor of the Pool Pavilion at 9:00 am.

**Description:**
The inpatient pediatric course is presented to give the student an experience in the management of children with problems in the hospital setting. The student will participate with the pediatric house staff. The student one week of night call with a Pediatric resident during the four week rotation.

**Objectives:**
1. The student should be able to conduct a history and physical examination in a concise and logical fashion and define the child's problems.
2. The student should be aware of the diagnostic and therapeutic tools available in pediatrics and be able to use them when appropriate to patient care.
3. The student should develop increasing clinical responsibility and judgment in dealing with hospitalized children and their families.
4. The student should gain familiarity in performing certain basic procedures including venipuncture, lumbar puncture, intravenous line placement, suprapubic puncture, arterial puncture, and bone marrow aspiration.
5. The student should be able to give the indications for admission to the hospital for children with various diagnostic and therapeutic problems.

**Rotation Activities:**
1. Student will sign in, pre-round, round and sign-out each day with either the Lion team or the Zebra team. During the week of nights, student will take sign-out at 6:00 pm and sign out to the day team at 6:00 am the following morning.
2. If student has full EPIC access, student will follow the Pediatric template and document in EPIC. Notes are then faxed to the admitting team and emailed to the attending using MS Outlook or completed in a Word document and emailed to the attending on service.
3. Student should follow 3-5 patients depending upon complexity.
4. Student should become familiar with and use the IPASS method when signing out patients.
5. Student will be given access to the Hallway New Patient Presentation template and the Hallway Established Patient Presentation template and should become familiar with and use when presenting patients to attending and senior resident.

6. Student should attend Pediatrics Morning Report on Monday and Thursday mornings at 8:00 am with the inpatient team; as a result of attending these educational sessions, student is excused from these educational sessions when on the night shift week.

7. Student will be scheduled to present at Pediatrics Morning Report once during this rotation.

Patient Encounters:

Evaluation:

Student's evaluation will be a combination of feedback from faculty as well as from Pediatric residents. The evaluation form provided by the student will be completed by the rotation leader and submitted to the medical school.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A

Peds

MDI 8400 Al-In-Patient Pediatrics

Click here for additional course information

Contact:

usfpedichiefs@gmail.com
(813) 259-8752
Dr. Shaila Siraj
ssiraj2@jhmi.edu
Gwen Harmon
gharmon2@jhmi.edu

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638
ACH GME Dept (727) 767-4106

Report to: Will be provided one week prior to the start of the rotation
The senior medical student will serve as an "acting intern" with the resident staff assigned to the inpatient general pediatrics service. The student will participate actively in teaching rounds, journal clubs, and seminars as a junior house staff member.

Objectives:

To offer the student a period of intensive exposure to inpatient general pediatrics by permitting the student maximal responsibility for patient care in a supervised setting.

Rotation Activities:

- The student will participate actively in teaching rounds, journal clubs, and seminars as a junior house staff member.
- The student will provide patient care under close faculty supervision.
- The student is expected to either provide a discussion of one selected topic or present a patient management case towards the end of the rotation.

Patient Encounters:

Evaluation:

The student's written histories and physical examinations, problem list, and plans of evaluation and therapy will be evaluated. These records as well as the student's daily activities at rounds and conferences will form the basis of the evaluation.

Syllabus:

Visiting Students:

No

Special Instructions:

Night call is no more frequent than every 4th night.

Contact:

Chief Resident

usfpedichiefs@gmail.com

(813) 259-8752

Dr. Melinda Murphy

mshiver@health.usf.edu

(813) 259-8752

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

Report to: Provided one week prior to the start of the rotation
The inpatient pediatric course is presented to give the student an experience in the management of children with problems and to have the opportunity to take night call for one week of the rotation.

Objectives:

1. The student should be able to conduct a history and physical examination in a concise and logical fashion and define the child's problems.
2. The student should be aware of the diagnostic and therapeutic tools available in pediatrics.
3. The student should develop increasing clinical responsibility and judgment in dealing with these patients as an acting intern in consultation with a senior member of the pediatric house staff.
4. The student should gain familiarity in performing certain basic procedures including venip.
5. The student should be able to give the indications for admission to the hospital for children.

Rotation Activities:

The student will participate actively in teaching rounds, journal clubs, and seminars as a junior house staff member.

The student will provide patient care under close faculty supervision.

The student is expected to either provide a discussion of one selected topic or present a patient management case towards the end of the rotation.

Patient Encounters:

Evaluation of the student's performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:

Apply via
USF Health Morsani College of Medicine
on VSAS.

Special Instructions:

N/A

Contact:

Dr. Frank Ayestran
fayesta1@jhu.edu
(361) 244-9718

Dr. Jessica Rodriguez

| Peds | MEL 7563 Pediatric Nephrology | ACH 1 - 11 | Adult Med, Pri Care, or Maternal Newborn | 1 | 0 | 44 | 2,4 | Flores, Francisco | Clinical |
For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638
ACH GME Dept (727) 767-4106

Report to: provided one week prior to the start of the rotation

Description: This elective will aid students in their initial approach to pediatric renal disease, understanding the mechanisms of hypertension, dialysis, and transplantation. Other topics may also be covered as determined by student preference.

Objectives:
1. Learn to take a history with an emphasis on the skills of talking and listening to parents and patients
2. Perform an age appropriate examination and differentiate between normal and abnormal findings
3. Learn how to use the history and examination to determine the nature of a pathological process
4. Learn about nephrology in children and basic principles of their management

Rotation Activities: Students will provide inpatient (TGH and/or ACH) and outpatient (USF Clinics) care under close faculty supervision. There may be opportunities to either provide a discussion of one selected topic or present a patient management case towards the end of the rotation.

Evaluation: Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students: No

Special Instructions: Transportation may be needed for travel between hospitals and clinics.

**Students who select a 2 week rotation may only have 1 day of absence excused.**
Description:
This elective will aid students in their initial approach to pediatric renal disease, understanding the mechanisms of development, and the clinical presentation of hypertension, dialysis, and transplantation. Other topics may also be covered as determined by student preference.

Objectives:
1. Learn to take a history with an emphasis on the skills of talking and listening to parents and patients.
2. Perform an age appropriate examination and differentiate between normal and abnormal findings.
3. Learn how to use the history and examination to determine the nature of a pathological process.
4. Learn about nephrology in children and basic principles of their management.

Rotation Activities:
Patient Encounters:

Evaluation:
The evaluation of the student's performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:
Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Transportation may be needed for travel between hospitals and clinics. Part of the rotation will occur at Children's Medical Services.
**Students who select a 2 week rotation may only have 1 day of absence excused.**

**Cleaning up**

**Contact:**

Tammy.Winterhalt@lvhn.org

(484) 862-3149

**Location:****

NICU, 4th floor Jaindl Pavilion

8:00 AM on first day of rotation

Description:

Students will participate as members of the NICU clinical team consisting of faculty attendings, residents, and nurses.

Objectives:

Students will be able to

1. Take a good history and exam of common NICU admissions
2. Understand pathophysiology of common neonatal problems
3. Attend deliveries with NICU team with graded supervision
4. Perform simple procedures under supervision
5. Respond to on call problems in the unit when on call

Rotation Activities:

Students will be expected to:

1. Manage patients assigned to them with resident /attending supervision
2. Attend deliveries with NICU team
3. Participate at rounds, patient and family centered care
4. Attend morning report, Xray rounds, pediatric didactic lectures, grand rounds
5. Assist and do procedures under supervision

Patient Encounters:
Evaluation:

Students will be evaluated by the service attending based on:

1. Completeness of history, exam, presentation and management
2. Communication skills, Ability to work in a team will be assessed
3. Reading assignments with presentations at rounds
4. Delivery room resuscitation, procedural skills
5. Feedback will be given informally and formally in the middle and end of rotation. Students.

Syllabus:

Visiting Students:
Lehigh Valley Network
on VSAS.

Special Instructions:
NRP Certification Required

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<th>MEL 7565 Neonatology Intensive Care</th>
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Contact:
Tina Ho
thaoho@health.usf.edu
(813) 844-3437

For questions if not able to reach above contacts:
USF Health Peds Edu Dept (813) 259-8638

Report will be provided one week prior to the start of the rotation

Description:

Objectives:
The objective of this elective is the development of clinical expertise in the management of disorders of the neonate. Students have the opportunity to:

- Participate in the daily management of the NICU using the NICU goals
- Be present at the weekly critical care conference
- Attend weekly NICU rounds
- Attend presentations by attending, fellows, and residents
- Participate in conferences, rounds, and providing clinical care under close faculty and neonatal fellow supervision.

Rotation Activities:

Students will participate as members of the NICU clinical team consisting of faculty attending.
Patient Encounters:

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:

Yes.

Apply via USF Health Morsani College of Medicine on VSAS.

Special Certifications Required

Peds  MEL  3-11  Pri  1  0  44  4  Bollepailli, Sureka  Clinical
7596  Pedi Diabet  Care or Mat  Newborn  di & Metabo  & Disease  Click here for additional course information
lic Disease

Contact:

Dorothy Shulman
dshulman@health.usf.edu

Dr. Henry Rodriguez
(813) 396-2580

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

Report to: provided one week prior to the start of the rotation

Description:

This elective is designed to provide clinical exposure to children with insulin dependent diabetes as they appear in the Johns Hopkins All Children’s Hospital pediatric diabetes center or the Children’s Hospital of Tampa. The center staff will provide specific education about the techniques required for home management of type 1 diabetes.

Objectives:

The objective is to provide clinical exposure to childhood diabetes and improve understanding of the basic clinical disorder and the problems associated with routine home management.

Rotation Activities:

The student will provide patient care under close faculty supervision. The student is expected to either provide a discussion of one selected topic or present a patient management case towards the end of the rotation.

Patient Encounters:
**Evaluation:**
The student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

**Syllabus:**

**Visiting Students:**
Apply via [USF Health Morsani College of Medicine on VSAS](#).

**Special Instructions:**
Prior approval from Dr. Rodriguez is required.

Transportation may be needed for travel between hospitals and clinics.

Those interested in more intense exposure to children with a chronic disease should contact Dr. Rodriguez to learn the dates of camps for children with diabetes.

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<table>
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**Contact:**
Dr. John McCormick  
jmccormic@health.usf.edu

For questions if not able to reach above contact:
USF Health Peds Edu Dept (813) 259-8638

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**Report to:**
Will be provided one week prior to the start of rotation

**Description:**
This elective is designed to introduce senior students to the specialty of Internal Medicine-Pediatrics. Under the guidance of faculty members, students will have the opportunity to gain valuable clinical experience in the care of children with a wide range of acute and chronic conditions. Students will be exposed to a variety of patient presentations, enabling them to develop skills in evaluation and management of common acute problems encountered in adults and children in a primary care setting.

**Objectives:**
1. Evaluate and treat common acute problems encountered in adults and children in a primary care setting
2. Evaluate and treat chronic conditions in adults and children in a primary care setting
3. Perform appropriate preventative health maintenance measures in adults and children including well child care, vaccinations, anticipatory guidance, and screening tests
4. Gain familiarity with procedures common to the primary care setting including arthocentesis
5. Gain appreciation for the specialty of Internal Medicine-Pediatrics

**Rotation Activities:**
Senior medical students will see patients in the Internal Medicine-Pediatrics combined clinic.
### Patient Encounters:

**Evaluation:**
Ongoing as well as summative final assessment will be provided by supervising faculty. Students will also be required to prepare and present a primary care topic during their rotation.

### Syllabus:

### Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

### Special Instructions:

N/A

### Peds 8554 Primary Care Pediatrics

Click here for additional course information

### Contact:

Sharon Dabrow  
sdabrow@health.usf.edu  
(813) 259-8752

For questions if not able to reach above contact:  
USF Health Peds Edu Dept (813) 259-8638

Report to: provided one week prior to the start of the rotation  
17 Davis (across from USF Health STC, 1st Fl)

### Description:

This rotation allows the student to experience the broad range of primary pediatric care issues in the USF Health Pediatric Department. Attendance at Pediatric Grand Rounds and scheduled conferences is required.

### Objectives:

1. Improve knowledge of general outpatient pediatrics
2. Improve skills in performing histories, physicals, assessments and developing appropriate management plans.

### Rotation Activities:

- **Hours:** 8:30-5pm each day
- **Morning report:** 8-8:30 mandatory
- **Noon conference:** 12-1:00 required

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<td>1 - 11</td>
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</table>
Patient Encounters:

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:
1. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
- Contact at least one month prior
- Peds MEL 8554 Primary Care Pediatrics
- Contact: Tammy Winterhalt
  - Tammy.Winterhalt@lvhn.org
  - (484) 862-3149

Report to:
- Student will spend 2 weeks in The Children’s Clinic at the LVHN 17th & Chew campus and 2 weeks at LVPG Pediatrics at Health Center/Madison Farms

Description:
- Each student will present a Morning Report presentation. Attendance at Pediatric Grand Rounds and scheduled conferences like Wednesday afternoon PediaPRED is required.

Objectives:
- Improve knowledge of general outpatient pediatrics and improved skills in performing histories, physicals, assessments, and developing appropriate management plans.

Rotation Activities:
- Direct patient care of both well and sick patients in 2 outpatient settings. Option to participate in specialty clinics.
- Mandatory to attend Grand Rounds, PediaPRED and Morning Reports, and prepare a Morning Report presentation.

Patient Encounters:

Composite evaluation by the supervising physicians in the Children’s Clinic and LVPG Pediatrics.
Syllabus:

Visiting Students: No

Special Instructions: N/A

Description:
The senior medical student will participate in both inpatient and outpatient clinical duties involving HIV-infected infants, children, and adolescents. Students will be provided with an overview of HIV infection in infants, children, and adolescents, as well as participation in small pilot projects under the mentorship of a faculty member.

Objectives:
Offer the student a period of intense exposure to HIV infection in infants, children, and adolescents with participation in a supervised outpatient, inpatient, and laboratory setting.

Rotation Activities:
The student will participate in teaching rounds, journal clubs, and seminars with the faculty, and will rotate at the TGH Clinic and the CMS clinic in Tampa.

Patient Encounters:
Evaluation:
The student's history and physical examinations, generation of problem lists, and plans for evaluation and treatment will be evaluated. The student's daily activities at rounds and clinics and conferences will form the basis of the evaluation.

Contact:
Dr. Carina Rodriguez
Gina Lombardo, Administrator
(813) 259-8800

For questions if not able to reach above contacts:
USF Health Peds Edu Dept (813) 259-8638

Report to:
Report will be provided one week prior to the start of the rotation.

Syllabus:

Visiting Students: No

Special Instructions: No night call required.

Peds

MDE 8455
Acquired Immunodeficiency

TGH 1-11
Pri Care or Mat Newborn

0 44 4

Shapiro, David

Clinical

Click here for additional course information.
Contact: Dr. Nanette Grana
(813) 259-8725

ACH GME
(727) 767-3970

Dawn Jones
dawn.jones@jhmi.edu

For questions if not able to reach above contacts:
USF Health Peds Edu Dept 813-259-8638

Report to: will be provided one week prior to the start of the rotation

Description:
The student will be involved in the management of patients with pediatric hematology and oncology disorders.

Objectives:
Introduce the student to the clinical aspects of hematologic and oncologic disease in children.
Learn the basics of work up and care for the pediatric hematology/oncology patients.

Rotation Activities:
The student will be involved in the diagnosis, evaluation and management of patients with a spectrum of pediatric hematology and oncology disorders, both in the inpatient and outpatient settings at ACH.
In the outpatient setting, the student will actively participate in interviewing and examining newly referred and established patients. The student will gain exposure to the multi-disciplinary approach to the care of children with chronic oncologic and hematologic conditions. The student will be an active participant in daily rounds and will be expected to interact with patients and team members. Clinical histories, physical examinations and plans for evaluation and treatment will be reviewed with the attending physician.
Students will attend the weekly multidisciplinary patient care and teaching rounds and monthly tumor board as well as other rounds. Students will have the ability to participate in other settings related to the care of this population of children.

Patient Encounters:

Evaluation:
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:
**Visiting Students:**

Students who select a 2 week rotation may only have 1 day of absence excused.

Transportation may be needed for travel between hospitals and clinics.

**Contact:**
Dr. Rico  
jrico@health.usf.edu  
Berlinda Garcia-Mora, Administrator  
(813) 259-8635

For questions if not able to reach above contacts:
USF Health Peds Edu Dept 813-259-8638

**Report to:**
Will be provided one week prior to the start of the rotation

**Description:**
The student will be involved in the management of patients with pediatric hematology and oncology disorders, both in the inpatient and outpatient settings.

**Objectives:**
- Introduce the student to the clinical aspects of hematologic and oncologic disease in children
- Learn the basics of workup and care for the pediatric hematology/oncology patients

**Rotation Activities:**
- For inpatient services, the student will participate in the AM rounds and assist with diagnostic procedures and therapy planning.
- Students are encouraged to study the basics of hematopoiesis and cancer chemotherapy.
- Written histories and physical examinations and plans for evaluation and treatment will be reviewed with the attending physician.
- In the outpatient setting, the student will actively participate in interviewing and examining newly referred and follow-up patients.
- The student will attend the weekly multidisciplinary patient care and teaching rounds and monthly tumor board.

**Patient Encounters:**

<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 8568 Pedi Hematology-Oncology</th>
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<tbody>
<tr>
<td>TGH</td>
<td>1-11 Pri Care, Mat Newborn</td>
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<td>1 0 40-44 2,4 Galligan Andrew</td>
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</table>

[Click here for additional course information]
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Students who select a 2 week rotation may only have 1 day of absence excused.
Transportation may be needed for travel between hospitals and clinics.

Contact:
Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to Dr. Felipe Bautista after attending Pediatrics Morning Report on the first day, at the outpatient clinic (Children’s Hospital) at 1210 Cedar Crest building. On subsequent days the student will report to the attending who is on service at 8AM.

Description:
The student will be involved in the management of patients with pediatric hematology and oncology disorders, both in the inpatient and outpatient settings. The student is expected to be able to know basics of work up and care for the pediatric hematology/oncology patients.

Objectives:
Introduce the student to the clinical aspects of hematologic and oncologic disease in children.

Rotation Activities:
Student will spend time each day rounding and doing procedures on the inpatient unit. In the afternoon student will spend the time discussing and time discussing patients. Student will be scheduled to present at Pediatrics Morning Report towards the end of the rotation.

Patient Encounters:
Evaluate the student will be evaluated on multiple aspects of patient care and clinical performance during the 4 week rotation. Feedback from the team, will complete the evaluation provided by the student's medical school at the end of the rotation.

Syllabus:

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

Peds | MEL85 | TGH | Pri Care or Mat Newborn | 1 | 0 | 44 | 4 | Ranells, Judith | Clinical

Contact:

Dr. Judith Ranells
juranell@health.usf.edu
Julie Stann
jstann@health.usf.edu
(813) 259-8772

For questions if not able to reach above contact:
USF Health Peds Edu Dept 813-259-8638

Report to:
Will be provided one week prior to the start of the rotation

Description:

Objectives:
The goal of this elective is to acquaint the student with genetic and metabolic disorders in pediatrics: diagnostic evaluation, differential diagnosis, inheritance, management and counseling.

Rotation Activities:
Students will typically attend Genetics/Metabolic Clinics Monday, Tuesday, and Thursday at CMS on campus and occasional rotations at TGH. They will also be expected to give a 10-15 minute presentation at the end of the rotation on a selected topic.

Patient Encounters:

Evaluation:
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and using informal quizzes.

Syllabus:

Visiting Students:
Yes.
Apply via USF Health Morsani College of Medicine on VSAS.
Special Instructions:
Transportation may be needed for travel between hospitals and clinics (Tampa General Hospital, South Tampa Center, and Children’s Medical Services).

Contact:
Dr. Mary Pavan
mpavan@health.usf.edu
(727) 767-8230

For questions if not able to reach above contacts:
USF Health Peds Edu Dept (813) 259-8638
ACH GME Dept (727) 767-4106

Report to:
Will be provided one week prior to the start of the rotation

Description:
Objectives:
Familiarize the student with the clinical aspects of child development

Learn to administer basic screening tests and to assess the many aspects of development, which contribute to diagnosis and intervention.

The objectives of this elective can be met via a research track, a clinical track, or a literature review/writing track.

Rotation Activities:
Participating in patient evaluations via observation and direct contact and interacting with various members of a multidisciplinary team will facilitate an understanding of the diversity of the field.

In addition to “hands-on” training, weekly didactics will provide teaching in the basic areas of normal, delayed, and abnormal development with exposure to various pediatric conditions including neurological and genetic disorders, intellectual disability, autism, and specific learning disabilities.

This elective incorporates a wide variety of clinic environments, with exposure to NICU follow-up, age Birth-3 Early Intervention Program, and the school-age population.

When working close to Tampa General or All Children’s Hospital, the student is expected to attend the pediatric residency’s daily noon conference.

Patient Encounters:
Evaluation:
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:
Visiting Students:

Special Instructions: Contact Dr. Pavan at least 4 weeks prior to the start of the elective.

Transportation may be needed for travel between hospitals and clinics.

There is no night or weekend coverage expectations.

**Students who select a 2 week rotation may only have 1 day of absence excused.**

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<th>Peds</th>
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Contact: Dr. Mark Ballow
mballow@jhmi.edu

For questions if not able to reach above contacts:
USF Health Peds Edu Dept (813) 259-8638
ACH GME Dept (727) 767-4106

Report to: Division of Allergy/Immunology
Children’s Research Institute (Band-Aid Building) at ACH 8:30 AM

Description: This elective is designed to give the student experience on both the outpatient and inpatient Pediatric Allergy and Immunology services of All Children’s Hospital in St. Petersburg, Florida.

Objectives:

1. Expose the student to clinical allergy immunology through supervised patient care responsibilities.

2. Learn about the performance and interpretation of allergy skin testing, spirometry, tympanometry, rhinoscopy, food challenge procedures, immunotherapy to aeroallergens, and drug desensitization.

3. Gain experience in current treatments of immunodeficiency disease.

Rotation Activities: Students will assist in the diagnosis, treatment, and management of patients with a broad spectrum of immunologic, allergic, and rheumatologic diseases.

The elective will emphasize a logical approach to clinical immunologic problems, interpretation of immunology laboratory tests, and treatment of allergic and immune disorders including autoimmunity.

Patient Encounters:
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students: No

Special Instructions: N/A

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Contact: Carolyn Robinson
crobin84@jhmi.edu

Shirley Robles, Administrator
srobles3@jhmi.edu

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638
ACH GME Dept (727) 767-4106

Report to: will be provided one week prior to the start of the rotation

Description:

Objectives:

1. Obtain a history and physical examination as it relates to pulmonary disease in the infant, child, and adolescent.

2. Understand and interpret basic imaging of the respiratory system and lung function testing.

3. Establish a level of competence in diagnosing and managing asthma in children utilizing the principles presented by the NIH Asthma Guidelines.

4. Possess an understanding of pulmonary physiology as it relates to common pediatric respiratory disorders.

5. Become familiar with common respiratory therapeutic agents employed in pediatrics including airway clearance techniques and asthma pharmacotherapy.
Rotation Activities:

This elective will involve working with a multidisciplinary team that will provide experience in the evaluation and management of acute and chronic pediatric respiratory diseases.

Some of these disorders will include: cystic fibrosis, stridor, chronic lung disease of infancy, and congenital malformations.

Pertinent literature will be discussed and will be available for review on the Moodle Pediatrics Learning Site.

Patient Encounters:

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise.

Syllabus:

Visiting Students:

Visits may be needed for travel between hospitals and clinics.

Peds MEL 8574 Pediatric Pulmonary Disease

| TGH | Pri Care or Mat Newborn | 1 | 0 | 40-44 | 4 | Colon Cortes, Yanerys |
| 1-5, 7-8, 10-11 | Clinical |

Marisa Couluris
mcouluri@health.usf.edu
(813) 259-8767

Marlene Papia, Administrator
(813) 259-8810

For questions if not able to reach above contacts:
USF Health Peds Edu Dept (813) 259-8638

Report to:
Will be provided one week prior to the start of the rotation

Description:

Objectives:

1. Obtain a history and physical examination as it relates to pulmonary disease in the infant, child, and adolescent.
2. Understand and interpret basic imaging of the respiratory system and lung function testing.
3. Establish a level of competence in diagnosing and managing asthma in children utilizing the principles presented by the NIH Asthma Guidelines.
4. Possess an understanding of pulmonary physiology as it relates to common pediatric respiratory disorders.
5. Become familiar with common respiratory therapeutic agents employed in pediatrics, including airway clearance techniques and asthma pharmacotherapy.

**Rotation Activities:**
This elective will involve working with a multidisciplinary team that will provide experience in the evaluation and management of acute and chronic pediatric respiratory diseases. Some of these disorders will include: cystic fibrosis, stridor, chronic lung disease of infancy, congenital malformations, and respiratory failure in the child with chronic respiratory problems such as having a tracheostomy tube or requiring supplemental oxygen at home.

Pertinent literature will be discussed and will be available for review on the Moodle Pediatrics Learning Site. Attendance at the USF Residency didactic sessions (i.e., morning report, noon conference, etc.) is STRONGLY encouraged.

**Patient Encounters:**
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

**Syllabus:**

**Visiting Students:**
Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**
Transportation may be needed for travel between hospitals and clinics.

**Contact:**
Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

**Report to:**
On the first day after attending Pediatrics Morning Report, the student will report to the Pediatric Pulmonology office at the Children’s Subspecialty Center, 1210 S. Cedar Crest Blvd., Suite 2700, Allentown, PA 18103 on the Cedar Crest campus.

**Description:**
This elective is designed to introduce medical students to the field of pediatric pulmonology. Students will see patients, observe pulmonary procedures, and follow patients through hospitalization. Students will join one of the three pediatric pulmonologists when consulting on the pediatric inpatient unit, the PICU, and the NICU.
Objectives:
1. Obtain a history and physical examination as it relates to pulmonary disease in the infant, child, and adolescent.
2. Understand and interpret basic imaging of the respiratory system and lung function testing.
3. Establish a level of competence in diagnosing and managing asthma in children utilizing the NIH Asthma Guidelines.
4. Possess an understanding of pulmonary physiology as it relates to common pediatric respiratory disorders.
5. Have a familiarity with common respiratory therapeutic agents employed in pediatrics including airway clearance techniques and asthma pharmacotherapy.

Rotation Activities:
This elective will involve working with a multidisciplinary team that will provide experience in patient-centered care and professional development.

Patient Encounters:
Student will be evaluated on clinical performance during this 4 week rotation. The student will have direct observation and feedback from the clinical team. The program director and designated preceptor will complete student's evaluation form and return it to the medical school.

Syllabus:
Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
N/A

Table:

<table>
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<tr>
<th>Peds</th>
<th>MEL 8575 Pediatri CC</th>
<th>LVH-CC</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>40-44</th>
<th>4</th>
<th>Lindmark, Amy</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to:
After attending Pediatrics Morning Report at the Cedar Crest Site, report to the PICU, 2nd floor Jaindl at 0900.

Description:
The PICU is a multidisciplinary unit providing acute care for pediatric patients with a wide variety of medical and surgical conditions. The program includes didactic presentations on aspects of pediatric critical care medicine, and self-directed study on individual patients.

Objectives:
The student will learn to utilize physical exam skills, laboratory data, and radiographic data to assess the physiologic stability and severity of illness in pediatric ICU patients.
2. The student will learn to incorporate accumulated data with critical thinking skills to both assess a patient's condition and institute a treatment plan.

3. The student will learn to appreciate the utility and usefulness of both invasive and non-invasive physiologic monitoring and support.

**Rotation Activities:**

Student will round daily on the PICU (2 Jaindl) and the PICU Intermediate Unit (4 Pool). In addition to the learning experiences described above, the student will participate in the Pediatrics Morning Report during this rotation. Medical students will be on call two to three times during the rotation.

**Patient Encounters:**

**Evaluation:** Evaluations will be based on the guidelines presented on the evaluation form and the description of the rotation objectives.

**Syllabus:**

**Visiting Students:**

Yes. Apply via Lehigh Valley Network on VSAS.

**Special Instructions:**

N/A

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<tr>
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</table>

Contact:

Dr. Julia Ashworth
jnoethe1@jhmi.edu
(727) 767-2743

ACH GME
(727) 767-4106

For questions if not able to reach above contact:

USF Health Peds Edu Dept (813) 259-8638

Report to: provided one week prior to the start of the rotation

**Description:** The PICU is a multidisciplinary unit providing acute care for pediatric patients with a wide variety of medical and surgical conditions. The PICU uses an organ system derived approach to patient problems. Integration of multiple healthcare providers is emphasized.

**Objectives:**

1. The student will learn to utilize physical exam skills, laboratory data, and radiographic data to assess the physiologic stability and severity of illness in pediatric ICU patients.
2. The student will learn to incorporate accumulated data with critical thinking skills to both a
3. The student will learn to appreciate the utility and usefulness of both invasive and non-inv

Rotation Activities:

Patient Encounters:

Evaluation:

Syllabus:

Visiting Students:

Special Instructions:

**Students who select a 2 week rotation may only have 1 day of absence excused.**

<table>
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<th>Peds</th>
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<tr>
<td>Pediatri Intensive Care</td>
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</table>

Contact:

Casey An Riggs
driggs@health.usf.edu

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

Report to: provided one week prior to the start of the rotation

Description:

is a multidisciplinary unit providing acute care for pediatric patients with a wide va

Objectives:

1. The student will learn to utilize physical exam skills, laboratory data, and radiographic data
2. The student will learn to incorporate accumulated data with critical thinking skills to both a
3. The student will learn to appreciate the utility and usefulness of both invasive and non-inv.
Patient Encounters:

Evaluation:
Final evaluations will be based on the guidelines presented on the evaluation form and the degree to which the student has met his/her stated objectives.

Syllabus:

Visiting Students:

Special Instructions:
**Students who select a 2 week rotation may only have 1 day of absence excused.**

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</thead>
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Contact:
Dr. Mitzi Go
mgo5@jhmi.edu
Dawn Jones
Admin
dawn.jones@jhmi.edu

ACH GME
(727) 767-4106

For questions if not able to reach above contacts:
USF Health Peds Edu Dept (813) 259-8638

Report to: provided one week prior to the start of the rotation

Description:

Objectives:
Students will be taught to provide patient care that is compassionate, appropriate and effective for the promotion of health, prevention of illness, treatment of disease and at the end of life in the neonatal intensive care unit.

Rotation Activities:
Opportunities to participate in simulated resuscitative scenarios will be available.

Students will attend the NICU follow-up clinic. Students will have the opportunity to follow nutritional, developmental... other structured learning opportunities. Students will attend JHUSOM Pediatric Grand Rounds and ACH-JHM Grand Rounds.

Students will be able to observe a variety of procedures including but not limited to sterile gowning and aseptic technique, intubation, lumbar puncture, suprapubic bladder aspiration, bladder catheterization and umbilical line placement.

Click here for additional course information
Patient Encounters:

Evaluation:

Final evaluations will be based on the guidelines presented on the evaluation form and the degree to which the student has met his/her stated objectives.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

Peds  MEL 8579  Ped Gastroenterology /Nutrition

LVHN  1 - 11  Yr 4 Status  1  0  40  4  Paul, Adam  Clinical

Contact:

Tammy Winterhalt

Tammy.Winterhalt@lvhn.org

(484) 862-3149

Read:

Adam Paul, DO

Children’s Hospital Subspecialty Center

1210 S. Cedar Crest Blvd., Suite 2400, Allentown, PA 18103

(610) 402-3888

Description:

Objectives:

1. Identify and explain the anatomy, physiology and pathology of the digestive system.

2. Utilize knowledge about the developmental stages of the digestive system to aid in diagnosis.

3. Be able to accurately evaluate and manage a pediatric patient for common gastrointestinal problems.

4. Explain the role genetics, biochemistry and molecular biology has on the digestive system.

5. Justify the use of drugs to treat gastrointestinal conditions and be able to explain the pharmacological effects on the body.
6. Summarize the principles of gastrointestinal surgery and be able to assess the risks and benefits of surgical procedures.

Rotation Activities:

The student will attend the Pediatric Gastroenterology clinic with one of the attendings, discu.

Patient Encounters:

Students will be evaluated on multiple aspects of patient care and clinical performance durin

Syllabus:

Visiting Students:

Lehigh Valley Network
on VSAS.

Special Instructions:

Peds MEL 8579 Ped Gastroenterology/Nutrition

Contact:

mcclenathan@pedgi.org

Jennifer Leanna

JL@tummydoctors.net

(727) 822-4300

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

ACH GME Dept (727) 767-4106

Report to:

Will be provided one week prior to the start of the rotation

Description:

The Pediatric Gastroenterology/Nutrition Department is a very active clinical service. Student
Objectives:
1. Identify and explain the anatomy, physiology and pathology of the digestive system
2. Utilize knowledge about the developmental stages of the digestive system to aid in disease diagnosis and treatment
3. Be able to accurately evaluate and manage a pediatric patient for common gastrointestinal disorders
4. Explain the role genetics, biochemistry and molecular biology has on the digestive system
5. Justify the use of drugs to treat gastrointestinal conditions and be able to explain the pharmacological effects on the body
6. Summarize the principles of gastrointestinal surgery and be able to assess the risks and benefits of surgical procedures.

Rotation Activities:
Students will be expected to participate in clinical gastrointestinal rounds and Gastroenterology Journal Club. Students will observe diagnostic modalities such as endoscopy, manometry, esophageal dilation, suction rectal biopsies and Ph probes.

Patient Encounters:
Students will be expected to read about the diseases of their clinic and hospital patients.

Syllabus:

Visiting Students:
No

Special Instructions:
Contact Dr. McClenathan prior to the first day of the rotation

Contact:
Drs. Wassam Rahman
wraham2@jhmi.edu
Dr. Laleh Bahar-Posey
lbaharp@jhmi.edu
Danielle Wolfson, Emergency Admin Coordinator
dmeacha2@jhmi.edu
The Pediatric Emergency Medicine elective is designed to give an in-depth exposure to the identification and management of acutely ill and injured children. By the completion of the rotation, students will be able to identify an acutely ill or injured child and develop and implement an appropriate management plan.

Objectives:
1. Introduce students to the clinical aspects of pediatric emergency medicine
2. Learn the basics of work-up and care for the pediatric emergency patient

Rotation Activities:
Students are integrated into the health care team and participate directly in all aspects of patient care.

Patient Encounters:
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:

Special Instructions:
**Students who select a 2 week rotation may only have 1 day of absence excused.**

<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 8580 Pediatric Emergency Medicine</th>
<th>TGH 1 - 11</th>
<th>Pri Care or Mat Newborn</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>4</th>
<th>Gaar, Gregory</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:
Gregory Gaar
gregory_gaar@teamhealth.com
For questions if not able to reach above contacts:
USF Health Peds Edu Dept (813) 259-8638

Report to: will be provided one week prior to the start of the rotation

Description:
The Pediatric Emergency Medicine elective is designed to give an in-depth exposure to the identification and management of acutely ill or injured children. Students will be able to identify an acutely ill or injured child and develop and implement an appropriate management plan.

Objectives:
1. Introduce students to the clinical aspects of pediatric emergency medicine
2. Learn the basics of work-up and care for the pediatric emergency patient

Rotation Activities:
Students are integrated into the health care team and participate directly in all aspects of patient care.

Patient Encounters:
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:
Visiting Students:
No

Special Instructions:
**Students who select a 2 week rotation may only have 1 day of absence excused.**

<table>
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<tr>
<th>Peds</th>
<th>MEL 8582 Pediatric Infectious Diseases</th>
<th>ACH 2-11</th>
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<th>40-44</th>
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<th>Berma, David</th>
<th>Clinical</th>
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</thead>
</table>

Contact:
David Berman
dberma19@jhmi.edu
(813) 259-8725

ACCH GME
For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

Report to: provided one week prior to the start of the rotation

Description: An elective in pediatric infectious disease is a clinical preceptorship with the Infectious Disease team.

Objectives:
1. Introduce students to the clinical aspects of pediatric infectious diseases
2. Learn the basics of work-up and care for the pediatric infectious disease patient

Rotation Activities:
The majority of time is spent on inpatient consults. The student is exposed to all areas of the hospital since consults are held frequently. The student is expected to participate in weekly journal club, presenting an article each week.

Patient Encounters:
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:

Special Instructions:
Transportation may be needed for travel between hospitals and clinics.
No night call is required.
**Students who select a 2 week rotation may only have 1 day of absence excused.

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<tr>
<th>Peds</th>
<th>MEL 8582 Pediatri c Infectio us Diseases</th>
<th>TGH 2-11 Pri Care or Mat Newborn</th>
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<th>0</th>
<th>40-44</th>
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<th>Bergamo, Dale</th>
<th>Clinical</th>
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</table>

Click here for additional course information

Contact: Dale Bergamo
**Description:**
This elective in pediatric infectious disease is a clinical preceptorship with the Infectious Diseases team.

**Objectives:**

**Rotation Activities:**
The majority of time is spent on inpatient consults. The student is exposed to all areas of the hospital.

**Patient Encounters:**

**Evaluation:**
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise.

**Syllabus:**

**Visiting Students:**
Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**
Transportation may be needed for travel between hospitals and clinics. Part of the elective will take place at St. Joseph’s Hospital. No night call is required.

**Students who select a 2 week rotation may only have 1 day of absence excused.**
Tammy Winterhalt

Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to:
Dr. Tibisay Villalobos
Pediatric Infectious Disease Physician Inpatient Unit at Cedar Crest.

Description:
This elective in pediatric infectious disease is a clinical preceptorship with the Infectious Disease team. The majority of the student's time during this rotation will be spent with the Pediatric Infectious Disease service in the Inpatient Unit at Cedar Crest Hospital. Didactic sessions at office hours will be scheduled as needed.

Objectives:
1. Learn to take a complete and thorough history pertaining to common infectious diseases.
2. Demonstrate appropriate physical examination skills and ability to perform adequate assessment leading to accurate diagnosis.
3. Learn about laboratory diagnosis of common infections and the interpretation of current microbiologic, virologic, mycologic, parasitologic and serologic tests.
4. Learn how to correlate laboratory findings (such as antibiotic sensitivities) to the clinical evaluation at the patient bedside.
5. Learn about antimicrobials and the proper use in pediatrics.
6. Identify the immunizations administered during childhood and adolescence and evaluate their importance.
7. Learn basic concepts of Hospital Epidemiology and Infection Prevention / Control and how to apply them to daily clinical practice.
8. Understand the principles of treatment for most common infectious diseases.
9. Identify infectious disease in the perinatal period that can cause congenital and neonatal infections.
10. Learn about travel medicine and global health: how infectious diseases spread around the world.

Learning Outcomes: This course will prepare the student to diagnose, treat and manage common infectious diseases in the inpatient setting. Students will apply knowledge of infectious diseases to the diagnosis and treatment of patients, and will be able to discuss the role of laboratorian and the proper use of antimicrobials in pediatrics.

Rotation Activities:
Students will join pediatric rounds each day with the Pediatric Infectious Disease team, including daily case discussions. In addition, there will be opportunities to review laboratory results, discuss antibiotic sensitivities, and other relevant clinical topics with the attending physicians.

Patient Encounters:
Students will be evaluated on multiple aspects of patient care and clinical performance during this rotation.

Syllabus:
Visiting Students:
Lehigh Valley Network
on VSAS.

Special Instructions:
**Students who select a 2 week rotation may only have 1 day of absence excused.**
### Description

This elective is designed to introduce senior medical students to the field of adolescent medicine. Students will be able to develop skills necessary for delivering care to this age group. Students can also participate in adolescent health care in school-based clinics, at both high school and college settings.

### Objectives

1. Appreciate the unique medical and health needs of the adolescent population

2. Increase comfort level in communicating with teenagers, performing psychosocial risk interviews using the HEADDSS assessment, and providing preventive health anticipatory guidance for adolescents

3. Understand the normal sequence of physical growth and psychological development during puberty, and be able to accurately stage sexual development with Tanner staging

4. Perform a well adolescent physical and take on the role of primary care provider in working with specialists and subspecialists

5. Act as a subspecialist consultant for patients referred by outside primary care providers, and communicate the findings and plan of action back to the PCP

6. Know how to diagnose and treat common adolescent medical problems, such as acne, dysmenorrhea, menstrual disorders, fertility questions, sexually transmitted infections, mental health issues, substance use and abuse, eating disorders, and pregnancy

7. Recognize the common problem of poor adherence among adolescents, and encourage adolescents to become more active, responsible health care consumers

8. Improve communication with parents and families to help them understand normal adolescent development and confidentiality. Help parents facilitate their teens in taking a more active role in their health care

9. Learn about the importance of and how to assist with a successful transition from pediatric to adult health care for all adolescents and young adults, especially those with chronic medical conditions and special health care needs

### Rotation Activities

The experience will be supplemented with time spent at the Healthy Weight Clinic, learning about the care of teens with obesity and related health and substance abuse problems in adolescents; and at a variety of other settings, learning about sports medicine.

Students will work closely with residents from USF pediatrics, and depending on the site the student is working at, they may be available to attend the USF Residency program conferences.

### Patient Encounters

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

### Evaluation:

<table>
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<th>Course Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Type</th>
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<tr>
<td>8553</td>
<td>MEL Adolescent Medicine</td>
<td>Straub, Diane</td>
<td>Clinical</td>
</tr>
</tbody>
</table>

Contact:

Diane Straub
dstraub@health.usf.edu

Julie Stann, Administrator
(813) 259-8772
Syllabus:

Visiting Students:
Yes.
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Transportation may be needed for travel between hospitals and clinics.
Prior approval required from the course director (Dr. Straub) prior to start of the elective.

Contact:
Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to:
Adolescent Outpatient Office located at 401 North 17th Street, Suite 203, Allentown at the LVHN 17th & Chew campus

Description:
This elective is designed to introduce senior medical students to the field of adolescent medicine. Students will be able to gain confidence in effectively communicating with and caring for patient populations, develop knowledge of psychosocial risk development, and understand the importance of preventive care and disease screening for this age group. Students will also learn to perform a well-adolescent medical examination and take on the role of primary care provider in working with specialists and pediatricians. Students will gain knowledge of normal sequence of physical growth and development, adolescent stages of sexual development with Tanner stages, and screening tests and immunizations. Students will also have the opportunity to participate in health supervision visits for adolescents and know the appropriate interventions to help improve adherence and engagement in health care among adolescents. 

Objectives:
1. Appreciate the unique medical and health needs of the adolescent population
2. Increase comfort level in communicating with teenagers, performing psychosocial risk interviews using the HEADDSS assessment, and providing preventive health anticipatory guidance for adolescents
3. Understand the normal sequence of physical growth and psychological development during puberty, and be able to accurately stage sexual development with Tanner staging
4. Perform a well adolescent physical and take on the role of primary care provider in working with specialists and pediatricians
5. Act as a subspecialist consultant for patients referred by outside primary care providers, and communicate the findings and plan of action back to the PCP
6. Know how to diagnose and treat common adolescent medical problems, such as acne, dysmenorrhea, menstrual disorders, pregnancy, obesity, psychological problems (depression, suicidality, eating disorders, substance abuse, etc), and others
7. Recognize the common problem of poor adherence among adolescents, and encourage and support adolescents and families to improve adherence and engagement of adolescents in health care
8. Improve communication with parents and families to help them understand normal adolescent development and confidentiality.
9. Learn about the importance of and how to assist with a successful transition from pediatric to adult health care for all adolescents and young adults, especially those with chronic medical conditions and special health care needs.

Rotation Activities:
The experience will be supplemented with time spent with the dietician, learning about disordered eating patterns and weight management as well as with the gynecologist learning about the unique reproductive care needs of the adolescent.

Patient Encounters:

Evaluation:
Performance during the Adolescent rotation will be assessed using the following methods:

- Global assessment of the student performance completed by the supervising attending at the end of the rotation
- Direct and timely feedback by attending during the delivery of patient care
- Feedback on documentation by supervising attending

Syllabus:

Visiting Students:
- Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
- N/A

Contact:
- Dr. Justyna Wojas
  jwojas@health.usf.edu
- Dr. Tanya Murphy
  tmurphy@health.usf.edu
- Amber Berkham, Admin
  aberkha4@jhmi.edu
- rothmanctr@health.usf.edu
- (727) 767-8230

ACH GME
For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

Report to: provided one week prior to the start of the rotation

Description: This elective is designed to introduce senior medical students to the identification, evaluation, and treatment of children and adolescents with psychiatric disorders. The elective focuses on disorders associated with streptococcal infections, such as PANDAS (Pediatric Autoimmune Neuropsychiatric Disorders associated with Streptococcal Infections), and Autism spectrum disorders.

Objectives:
1. Develop skills in the evaluation, diagnosis, treatment and management of children and adolescents with psychiatric disorders through observing comprehensive assessments.
2. Recognize co-occurring conditions and how to screen for them.
3. Become familiar with common rating scales for this patient population.
4. Recognize the complexities in treating this patient population as it requires collaboration between medical providers, counselors, rehabilitative therapies, school systems, and the family.
5. Describe a comprehensive treatment plan that reflects the biopsychosocial model.
6. Learn basic principles of medication management in this patient population.
7. Be exposed to cognitive behavioral therapy and habit reversal therapy.
8. Learn about educational, therapeutic, and counseling modalities for the specific disorders.
9. Develop oral case presentation skills and participate in writing comprehensive evaluations.
10. Participate in journal article discussions.
11. Observe speech, audiology, and occupational therapy screenings.

Rotation Activities:
Students will have the opportunity to participate in Occupational and Physical therapy assessments.

Patient Encounters:
Evaluation: Faculty observation and evaluation of student/patient interactions, case presentations, and written assessments.

Syllabus:

Visiting Students:
No

Special Instructions:
Contact Dr. Murphy at least one month prior to the start of the elective.
Transportation may be needed for travel between hospitals and clinics.
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**Course: T-VAH 11A**

**T-VAH 11A**

**Psych**

**MDE 8157 Adv in the Understanding of the Pathophysiological Underpinnings of Dementia**

1. **Discuss the latest models of how neuropathological protein misfolding occurs in the brain and its role in the development of dementia along with other pathophysiology that leads to dementia**
2. **Describe trophic factors that support neuron functioning and toxins that may accelerate dementing processes**
3. **Identify evolutionary and genetic factors that make a person susceptible to dementia and c**

**Contact:**

Pat Crump

pcrump@health.usf.edu

(813) 974-5368

**Report to:**

JAHVA Main Hospital

GA-004

8:00 AM
4. Discuss potential interventions to prevent dementia

5. Discuss the work up for a patient with mild cognitive impairment or early dementia

6. Describe the pathways and biological targets for pharmacologic and non-pharmacologic interventions

Rotation Activities:
Students will meet with course faculty to review recent papers about advance in the understanding of the development, mechanisms, and treatment of cognitive impairment. There will be an opportunity for interested students to get clinical exposure to patients with cognitive impairment.

Patient Encounters:
N/A

Evaluation:
1. Students will evaluate articles using a critical appraisal tool that they will turn in for faculty review.
2. Students will give a presentation on the final day of the rotation to faculty and peers including a list of references. Faculty will complete a checklist providing feedback on the quality of the presentation.
3. Professionalism and group participation will also be assessed throughout the elective.

Syllabus:

<table>
<thead>
<tr>
<th>Psych</th>
<th>MDE 8811 Integration of Brain Networks</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-VAH</td>
<td>8B</td>
</tr>
</tbody>
</table>

Contact:
Pat Crump
pcrump@health.usf.edu
(813) 974-5368
Dr. Frank Kozel
(813) 972-2000 ext. 5289

Report to:
JAHVA Hospital Building 68, Room 227
1:00 PM
The course will provide a conceptual framework to think about brain disease following the Na...will be able to:

1. Discuss different classes of variables (or units of analysis) affecting behavior including ge...
2. Describe the circuits that represent the core aspect of these classes of variables – as central...
3. Discuss the selection, implementation and limitations of modern treatment modalities for bra...
4. Integrate the basic science knowledge described with clinical applications and laboratory res...
5. Critically evaluate the pertinent literature to one topic of their choice and summarize it into a...

Students will meet with course faculty and review selected articles. At the end of the course, ...

Patient Encounters:

Students will be evaluated based on faculty evaluation of interaction, participation, peer evalu...

Syllabus:

Visiting Students:

Special Instructions:

<table>
<thead>
<tr>
<th>Psych</th>
<th>MDE 8842</th>
<th>T-VAH</th>
<th>Yr 4 Status</th>
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<th>40-50</th>
<th>2</th>
<th>Klippel, Cory</th>
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<tr>
<td></td>
<td>Emergency Psychiatry</td>
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<td></td>
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<td></td>
<td></td>
<td>Clinical</td>
</tr>
</tbody>
</table>

Contact:

pcrump@health.usf.edu
(813) 974-5368
Dr. Cory Klippel
Cory.Klippel@va.gov
Description: The elective gives the student the unique opportunity to participate in the evaluation, diagnosis and the short-term management of psychiatric patients who present in an acute crisis setting. The student will learn to work collaboratively with other members of the health care team in the assessment, diagnosis and treatment of psychiatric patients, as well as patients with co-existing physical conditions. Students will have the opportunity to work directly with patients and to observe their response to treatment. In this rotation, students will be responsible for evaluating and managing psychiatric patients with a broad range of symptoms and conditions, including mood disorders, anxiety disorders, psychotic disorders, personality disorders, and substance use disorders. The rotation will involve the student in the initial evaluation of the patient, the development and implementation of a treatment plan, and the ongoing assessment of the patient's response to treatment. Directed readings will be provided.

Objectives: During the rotation the student will demonstrate the ability to:

1. Obtain a history and perform relevant physical exam for urgent psychiatric complaints
2. Conduct a thorough mental status assessment inclusive of:
   1. A comprehensive assessment for dangerousness inclusive of suicide and violence risk
   2. Use of the MoCA to screen for cognitive deficits
3. Differentiate functional from organic disorders, define and identify common psychotic, affective and characterological disorders
4. Recognize interaction of substance abuse with other syndromes
5. Differentiate problems which require further inpatient assessment and treatment versus outpatient care
6. Appropriately utilize medications and recognize major side effects
7. Use of brief interventions inclusive of crisis intervention, chemical and physical restraint, etc.
8. Describe the elements required for confidentiality, involuntary hospitalization and surrogate decision making under the Florida statutes and Mental Health Code.
9. Identify appropriate sources of collateral information to inform the psychiatric evaluation (i.e. family, pharmacy, ALF, narcotic verification registry etc.).
10. Demonstrate the ability to document a psychiatric history, mental status exam and medical decision making for an urgent psychiatric assessment.

Rotation Activities:

1. Perform supervised clinical interviews with the patient in the acute crisis setting Monday-Friday 8AM-4:30 PM
2. Demonstrate the ability to refine both oral and written psychiatric presentations.
3. In-service lectures on common topics relevant to psychiatric care in the acute care setting, including: management of agitation, neuropsychiatric manifestations of common medical illnesses, psychiatric emergencies, substance use disorders, etc.

Patient Encounters:

Evaluation:

Direct observation by supervising faculty of interviewing and PE skills (at least weekly)

Review of medical documentation by faculty supervising the rotation (daily)
10 minute oral presentation on a topic of interest

The grade will be compromised of 75% clinical evaluation and 25% oral presentation on a topic.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

<table>
<thead>
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<th>Stock, Saundra Clinical</th>
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</thead>
</table>

Contact:

pcrump@health.usf.edu
(813) 974-5368
Dr. Saundra Stock
sstock@health.usf.edu
(813) 230-8422

Report to: University Psychiatry Center
7:45 AM on first day - Ask front desk for “attending” for resident clinic
3515 E. Fletcher Ave
Tampa, FL 33613

Description:
This elective is designed to provide interested students with clinical and didactic training in outpatient psychiatry. Exposure to a variety of treatment settings and patient populations is provided. In addition, the ability to assess and treat patients in the emergency department and the Tampa VA Hospital is also available.

Objectives:

By the end of the rotation students will be able to:

1. Describe common presenting symptoms and disorders in various outpatient psychiatric settings
2. Discuss challenges in establishing a psychiatric diagnosis in the outpatient setting including interviewing techniques that facilitate building rapport.
3. Describe variety of psychotherapy modalities including individual, group, and family, therapy and when to refer each of these modalities.

4. Compare and contrast use of psychotropic medications in the outpatient and inpatient setting.

Students will see new and established patients in conjunction with psychiatry residents and faculty.

Patient Encounters:

Evaluation: The supervising faculty will evaluate the student’s clinical performance according to the elective.

The student will conduct a 10 minute presentation on a relevant topic of interest.

The student will submit medical documentation for review by faculty.

Syllabus: MEL 8109 Outpt Psych Syllabus.pdf

Visiting Students: Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: N/A

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<th>0</th>
<th>40</th>
<th>2,4</th>
<th>Stock, Saundra</th>
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</table>

Contact:

Pat Crump
pcrump@health.usf.edu
(813) 974-5368

Dr. Saundra Stock
sstock@health.usf.edu
(813) 230-8422

Report to:
Silver Child Development Center
7:50 AM on first day
3515 E. Fletcher Ave
Tampa, FL 33613

Description: This elective is designed to provide the interested student with an opportunity to develop dia,

Objectives: At the end of the rotation students will be able to:

1. Describe how to evaluate and diagnose common psychiatric and behavioral disorders in ci
2. Discuss the role of psychotherapy including individual and family therapy in the treatment
3. Discuss legal and ethical aspects of psychiatric are for children and adolescents including
4. List community agencies available to help children with psychiatric and behavioral proble

Rotation Activities: Students will see new and established patients and families in conjunction with psychiatry re

Patient Encounters:

Evaluation: The supervising faculty will evaluate the student’s clinical performance according to the elec.
The student will conduct a 10 minute presentation on a relevant topic of interest.
The student will submit medical documentation for review by faculty.

Syllabus: MEL 8602 Child Psych Syllabus.pdf

Visiting Students: Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

| Psych | MEL 8602 Child & Adolescent Psychiatry | LVH-M 1-3, 6-11 | Yr 4 Status | 1 | 0 | 44-50 | 4 | Martin, Katherine | Clinical |
Contact: Katherine Martin
Katherine_B.Martin@lvhn.org
(610) 402-5766

Report to: Dr. John Campion and Dr. John Paul Gomez

Adolescent Inpatient Unit at Muhlenberg

Description:
This elective is designed to provide the interested student with an opportunity to develop diagnostic and management skills of psychiatric problems including common behavioral disorders that are commonly encountered in family medicine and pediatric practices.

Objectives:
1. Learn how to evaluate and diagnose psychiatric problems including common behavioral disorders in children
2. Learn basic management skills of psychiatric problems including common behavioral problems
3. Become familiar with community agencies available to help children with psychiatric and behavioral problems
4. Become more familiar with the general practice of child psychiatry
5. Enhance interviewing skills of children and their families

Rotation Activities:
Students rotate on the inpatient child and adolescent psychiatry unit. They will follow several patients on the unit and participate in the care of their patients. Students will also be expected to give a 10-minute presentation on a relevant topic of interest.

Patient Encounters:

Evaluation:
The supervising faculty will evaluate the student's clinical performance according to the elective objectives.

The student will conduct a 10-minute presentation on a relevant topic of interest.

The student will submit medical documentation for review by faculty.

Syllabus:

Visiting Students:

Special Approvals:
Drs. Gomez, Campion, and Martin required at least four months prior to the start of the elective.
Contact:

pcrump@health.usf.edu
(813) 974-5368

Dr. Jean Fils
jfils@health.usf.edu

Report to: Hospital Acute Recovery Unit (ARC) 30-G
Ground Fl of the nursing home
8:00 AM
13000 Bruce B. Downs Blvd
Tampa, FL 33612

Description: This elective is designed to provide interested senior medical students with an advanced exp

Objectives:

1. Become familiar with the multidisciplinary assessment of elderly patients
2. Develop specialized diagnostic skills for identifying and differentiating the multiple causes
3. Learn how to integrate psychiatry and medical care of the elderly
4. Become familiar with utilization of community resources in the care of the elderly
5. Become familiar with the therapeutic rapport between physician and the patient’s family or

Rotation Activities:
The student will spend the majority of the elective at the Memory Disorders Clinic at the Psyc

Patient Encounters:
Mild Cognitive Impairment

Evaluation: The student’s clinical performance will be evaluated by the supervising faculty according to t

Syllabus:

Visiting Students: Apply via
USF Health Morsani College of Medicine
on VSAS.

Special Instructions:

<table>
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<tr>
<th>Psych</th>
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<td>T-VAH 1-11 Adult Med, Psych /Neuro</td>
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<td>2 0 40-50 4 Stock, Saundra Clinical</td>
</tr>
</tbody>
</table>

Contact:

pcrump@health.usf.edu
(813) 974-5368

Report to: JAHVA Hospital Acute Recovery Unit (ARC) 30-G
Ground Fl of the nursing home
7:30 AM
13000 Bruce B. Downs Blvd
Tampa, FL 33612

Description: This elective is designed to provide advanced clinical and didactic training in inpatient psychiatry. Students will...

Objectives:

1. Demonstrate the ability to interview patients with acute psychiatric symptoms including those that are suicidal, agitated and/or psychotic
2. Be able to conduct a risk assessment for suicide and violence
3. Discuss the differential diagnosis for patients under their care
4. Be able to create a biopsychosocial formulation
5. Discuss how to select an initial pharmacologic agent for common psychiatric disorders
6. Describe psychotherapy interventions for acutely ill patients including milieu management

Rotation Activities:
Students will perform the history and physical for patients being admitted to the hospital and third year medical students on the team.

Patient Encounters:

Evaluation: The supervising faculty will evaluate the student's clinical performance according to the elective objectives.

The student will conduct a 10 minute presentation on a relevant topic of interest.

The student will submit two discharge summaries for review by faculty.

Syllabus: MEL 8611 AI Inpatient Syllabus.pdf

Visiting Students: Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: An additional spot can be requested via drop/add.

<table>
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</thead>
<tbody>
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<td>LVH-M</td>
<td>1-11 Yr 4 Status 1 0 40-50 4 Martin, Katherine</td>
</tr>
<tr>
<td></td>
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</tbody>
</table>

Contact: Katherine Martin

Katherine_B.Martin@lvhn.org

(610) 402-5766

Report to Dr. Karper and Dr. Primelo

Adult Inpatient Unit at Muhlenberg

Description: This elective is designed to provide advanced clinical and didactic training in inpatient psychiatry. Students will compose discharge summaries. Close supervision, seminars, and independent study will complement the clinical activities.

Objectives:

1. Examine various psychiatric conditions in greater depth while determining the best method of treatment for these conditions

2. Analyze and identify appropriate uses of psychotropic medication
3. Develop a familiarity with a variety of psychotherapy modalities including individual, group, and family psychotherapy.

4. Develop effective interviewing skills used when working with psychiatric patients.

**Rotation Activities:**

Students rotate on the inpatient psychiatry unit. They will follow several patients on the unit.

**Patient Encounters:**

Evaluation: The supervising faculty will evaluate the student’s clinical performance according to the elective objectives.

In addition, the student will be required to prepare a written summary of the elective experience including a description of clinical activities, a self-evaluation of what the student learned in the elective, and a critique of his/her elective experience.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

Prior approval of Drs. Karper, Primelo, and Martin required at least four months prior to the start of the elective.

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<table>
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<th>44</th>
<th>2,4</th>
<th>Fils, Jean</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:**

Pat Crump
pcrump@health.usf.edu
(813) 974-5368

**Report to:**

James A Haley VA Acute Recovery Unit (ARC) 30-G
Ground Fl
7:30 AM
13000 Bruce B. Downs Blvd
Tampa, FL 33612

**Description:**

This elective is designed to offer advanced experience in the evaluation, treatment, and rehabilitation of elderly psychiatry patients. Supervision, seminars, and independent study will complement the clinical activities.

**Objectives:**

1. Become familiar with the multidisciplinary assessment of elderly patients.
2. Develop specialized diagnostic skills for identifying and differentiating organic brain syndromes
3. Learn how to integrate psychiatry and medical care of the elderly
4. Become familiar with utilization of community resources in the care of the elderly

Rotation Activities:
Students will see geriatric patients in their families in a variety of settings. Evaluations of new

Patient Encounters:

Evaluation: Supervising faculty will evaluate the student’s clinical performance according to the elec.

Syllabus:

Visiting Students:
Applying via
USF Health Morsani College of Medicine
on VSAS.

Special Instructions: will also be at the University Psychiatry Center.

<table>
<thead>
<tr>
<th>Psych</th>
<th>MEL 8613 Alcoholism &amp; Substance Abuse</th>
<th>T-VAH 1-11</th>
<th>Psych /Neuro 1 0 44 2,4</th>
<th>Barnett, Mildred</th>
</tr>
</thead>
</table>

Contact:
Pat Crump
pcrump@health.usf.edu
(813) 974-5368

Report to: JAHVA Hospital Outpatient Psychiatry Clinic
1077 N. 46th Street Bldg E
Tampa, FL 33617

Description: This elective is designed to offer advanced experiences in the evaluation, treatment, and rehab.
Objectives:

1. Demonstrate diagnostic skills in chemical dependency and associated medical and psychiatric disorders
2. Describe individual, group, and community treatment techniques for the chemically dependent
3. Discuss how to facilitate rehabilitation of chemically dependent patients
4. Identify community resources for chemically dependent patients

Rotation Activities:

Students will rotate both new and established patients in the outpatient substance use treatment program at the James A. Haley VA in conjunction with faculty and residents.

Patient Encounters:

Evaluation:

The supervising faculty will evaluate the student’s clinical performance according to the elective objectives.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

N/A

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| Psych | MEL 8614 Adv Adult Psych Consults | TGH 1 -11 | Adult Med, Psych /Neuro | 2 | 0 | 44-50 | 2,4 | Hartney, Kimberly | Clinical |

Contact:

Pat Crump
pcrum@health.usf.edu
(813) 974-5368
Dr. Kimberly Hartney
(941) 276-3759

Report to: Tampa General Hospital
2nd Fl
7:30 AM
Follow the signs to the rehab building. Once you cross the glass-enclosed walkway, you will see, immediately on the right, a door labeled “Aeromed.” Enter that door, and the first floor on the right inside the suite is the Psychiatry Consult Office.

**Description:**
This elective is designed to provide students with a greater understanding of the interface between psychiatry and internal medicine. Students will have an opportunity to learn about psychiatric diagnoses common in the medically ill, understand the complexities of psychiatric care in medically ill patients, and develop skills in conducting psychiatric consultations. The elective will focus on the interface of psychiatry in the medically ill, including delirium, alcohol withdrawal, and psychosis.

**Objectives:**
1. Demonstrate familiarity with psychiatric diagnoses common in the medically ill patients.
2. Demonstrate the ability to perform interviews on difficult medical/surgical patients.
3. Demonstrate the ability to function well as part of a consultation/liaison team and work with members of other medical teams and other disciplines.

**Rotation Activities:**
1. Perform psychiatric consultations for patients on medical and surgical floors conducting both new and follow-up evaluations.
2. Create documentation and orders for the care of those patients.
3. Act as an educator for junior medical students.

**Patient Encounters:**
- Delirium
- Alcohol withdrawal
- Psychosis

**Evaluation:**
Faculty will evaluate the student’s clinical performance according to the elective objectives.

The student will conduct a 10-minute presentation on a relevant topic of interest.
The student will submit medical documentation for review by faculty.

**Syllabus:**
MEL 8614 syllabus AI - CL Psychiatry.pdf

**Visiting Students:**
Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**
MEL 8614 Adv Adult Psych Consults
T-VAH 1 -11
Adult Med, Psych /Neuro 2 0 44-50 2.4 Sullivan, Gregory Clinical
Description: This elective is designed to provide students with a greater understanding of the interface between psychiatry and medicine, specifically in the context of medical illnesses. It aims to improve students' ability to diagnose and manage psychiatric conditions in medically ill patients, including mood disorders, conversion disorders, psychotic disorders, delirium, dementias, and other organic illnesses.

Objectives:
1. Demonstrate familiarity with psychiatric diagnoses common in the medically ill
2. Demonstrate the ability to perform interviews on difficult medical/surgical patients
3. Demonstrate the ability to function well as part of a consultation/liaison team and work with other medical teams and disciplines

Rotation Activities:
1. Perform psychiatric consultations for patients on medical and surgical floors conducting both new and follow up evaluations
2. Create documentation and orders for the care of those patients
3. Act as an educator for junior medical students

Patient Encounters:
- Delirium
- Alcohol withdrawal
- Psychosis

Evaluation: Faculty will evaluate the student’s clinical performance according to the elective objectives. The student will conduct a 10 minute presentation on a relevant topic of interest.

Contact:
Pat Crump
pcrump@health.usf.edu
(813) 974-5368

Dr. Gregory Sullivan
Gregory.Sullivan1@va.gov
(813) 972-2000 ext. 6723

Report to: JAHVA main hospital
GA-004 at Ground Fl
8:00 AM
13000 Bruce B. Downs Blvd
Tampa, FL 33612
The student will submit medical documentation for review by faculty.

Syllabus:
MEL 8614 syllabus AI - CL Psychiatry.pdf

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
N/A

Psych
MEL 8614
Adv Child /Adult Psych Consul ts

Contact:
Katherine Martin
Katherine_B.Martin@lvhn.org
(610) 402-5766

Report to:
Will be provided one week prior to the start of the rotation.

Description:
This elective is designed to provide students with a greater understanding of the interface between psychiatry and medicine, including mood disorders, conversion disorders, psychotic disorders, delirium, dementias, and other organic illnesses.

Objectives:
1. Become familiar with psychiatric diagnoses in both the adult and child populations
2. Improve interviewing skills by performing interviews on difficult medical/surgical patients
3. Learn to be part of a consultation/liaison team and be able to work with members of other medical teams

Rotation Activities:
Students rotate on the consult service. They will see 3-4 new consults each day and participate in all aspects of their treatment plan. Students will also be expected to give a 10-minute presentation on a relevant topic of interest.

Patient Encounters:

Evaluation:
Faculty will evaluate the student’s clinical performance according to the elective objectives.

The student will conduct a 10 minute presentation on a relevant topic of interest.

The student will submit medical documentation for review by faculty.
Syllabus:

Visiting Students:

Special Approvals: Dr. Martin required at least four months prior to the start of the elective.

| Psych | MEL 8626 Neurostimulation in Psych T-VAH 1-11 Psych/Neuro 1 0 40 24 | Currier, Glenn | Clinical |

Description:
This elective is designed to introduce senior students to the use of various forms of neural stimulation in the treatment of psychiatric disorders. The aim is to provide students with a better understanding of the current use of neural stimulation for the treatment of psychiatric disorders.

Objectives:

1. Familiarize the student with the multiple available methods for neural stimulation.

2. Identify the psychiatric disorders which are indications for treatment by neural stimulation.

3. Compare neural stimulation to the pharmacologic treatment of psychiatric disorders.

4. Compare the treatment response of neural stimulation to other current treatment methods.

Contact:

Pat Crump
pcrump@health.usf.edu
(813) 974-5368

Dr. Jaime Fernandez
(917) 822-4293

Dr. Frank Kozel
(813) 974-2000 ext. 5289

Kim Vantrees, Nurse Treater
Kimberly.Vantrees@va.gov

Memorial Hospital
2901 W. Swann Avenue, Tampa, FL 33609

Go to the main entrance and text Dr. Fernandez when you arrive.
5. Evaluate new patients for suitability for deep brain stimulation, transcranial magnetic stimulation, vagal nerve stimulation and electroconvulsive therapy.

6. Participate in the treatment of patients with electroconvulsive therapy, transcranial magnetic stimulation, deep brain stimulation.

Rotation Activities:

Students will see patients at the James A Haley Neurotherapies Clinic, Memorial Hospital, and other settings. They will be provided with an overview of neurostimulation, selection of appropriate patients and the implementation of neurostimulation treatment plan.

Patient Encounters:

Students will work closely with the Neurostimulation Attending who will provide the assessment.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Obtain required reading from Pat Crump before the rotation starts. Part of the rotation will occur at Memorial Hospital.

Contact:

Pat Crump

pcrump@health.usf.edu

(813) 974-5368

Dr. Glenn Catalano

Glenn.Catalano@va.gov

(813) 382-8959

Report to:

8:00 AM

3515 E. Fletcher Ave

Tampa, FL 33613

Description:

This elective is designed to enable the advanced student to become acquainted with the methodologies of behavioral science research.
Objectives:
1. Increase the knowledge of psychiatry and behavioral medicine in an area of particular interest to the student
2. Become familiar with research methodology
3. Gain an enhanced perspective of the role of behavioral principles in the practice of psychiatry

Rotation Activities: individualized based on student interest and available projects.

Patient Encounters:

Evaluation:
The research supervisor will evaluate the student’s research performance according to the elective objectives. The research supervisor will evaluate the student’s research performance according to the elective objectives.

Syllabus:

Visiting Students:

Special Instructions:
Prior approval from the department (the Chair of Psychiatry or Faculty supervisor for the rotation) required. For T-VAH contact Dr. Glenn Catalano.

<table>
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<th>Psych</th>
<th>MDR 8840 Psychiatric Research</th>
<th>UPC</th>
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<th>Yr 4 Status</th>
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<th>Research</th>
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Contact:
Pat Crump
pcrupm@health.usf.edu
(813) 974-5368

Rashawna Perry
Assistant to Dr. Currier
(813) 974-4657

Report to:
8:00 AM
3515 E. Fletcher Ave
Tampa, FL 33613

Description:
This elective is designed to enable the advanced student to become acquainted with the methodologies of behavioral research. The student will be working with faculty members on research projects and will be expected to prepare a literature review of the research literature related to the student’s chosen topic. The student will present this review to the faculty and will be expected to participate in the analysis and interpretation of the data collected during this time under faculty supervision and review. In addition, the student will provide the elective supervisor with a written critique of his/her elective experience.
Objectives:
1. Increase the knowledge of psychiatry and behavioral medicine in an area of particular interest to the student
2. Become familiar with research methodology
3. Gain an enhanced perspective of the role of behavioral principles in the practice of psychiatry

Rotation Activities: Individualized based on student interest and available projects.

Patient Encounters: N/A

Evaluation: The research supervisor will evaluate the student’s research performance according to the elective objectives. In addition, the student will provide the elective supervisor with a written critique of his/her elective experience.

Syllabus: Visiting Students: No

Special Instructions: Prior approval from the department (the Chair of Psychiatry or Faculty supervisor for the rotation) required. For UPC, call 813-974-4657 to make an appointment with the chair.

Contact: Cody Donchez
Administrative Secretary
Radiology Administration
Cody_A.Donchez@lvhn.org

<table>
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<tr>
<td>Radiology</td>
<td>MDE 8769 Pediatric Radiology</td>
<td>LVHN 1 -11</td>
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<td>Kowal, Alexander Clinical</td>
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</table>
Description: This elective is designed to allow a medical student to work closely with an attending pediatric radiologist in a busy pediatric imaging center to gain one-on-one didactic and practical experience and training in the correct ordering, protocoling, interpreting, and integrating information into a multidisciplinary approach to radiologic care and services.

Objectives:
1. Identify and explain indications/contraindications for common pediatric radiographic tests
2. Develop clinical judgment regarding the appropriate use of radiographic examinations.
3. Identify alternatives to radiography, fluoroscopy and CT in the pediatric patient
4. Identify and institute pediatric specific protocols in common examinations
5. Interpret common pediatric radiographic examinations
6. Identify and discuss imaging concerns directly applicable to the pediatric patient, including radiation exposure, child life assistance, and sedation
7. Integrate information into a multidisciplinary approach to radiologic care and services

Rotation Activities: The student will gain one-on-one didactic and practical experience and training in the correct ordering, protocoling, interpreting, and integrating information into a multidisciplinary approach to radiologic care and services.

Patient Encounters: 

Evaluations: Students will be evaluated based on feedback from the various attending radiologists who interact with them.

Syllabus:

Visiting Students: No

Special Instructions: N/A

Contact: Destiny McArthur
Medical Education Coordinator
Description:
The elective is designed to provide students with a self-study program in radiological anatomy as it relates to medical imaging modalities. Students will study the anatomy of the head, neck, brain, and spine, as well as the musculoskeletal system of the upper and lower extremities, thorax, abdomen, and pelvis. The program will include cross-sectional imaging of the brain, head and neck, spine, upper and lower limb, thorax, abdomen, and pelvis.

Objectives:
1. Identify important anatomical structures of the head, neck, brain, and spine in different medical imaging modalities.
2. Identify important anatomical structures of the musculoskeletal system of the upper and lower extremities as well as the chest, abdomen, and pelvis in different medical imaging modalities.
3. Identify important anatomical structures within the chest, abdomen, and pelvis different medical imaging modalities.

Rotation Activities:
- Final Exam

Patient Encounters:
- N/A

Evaluation:
A series of 4 quizzes and a final exam will cover imaging anatomy of the head and neck, spine, upper and lower extremities, as well as the chest, abdomen, and pelvis. The final examination will be on the last day at the Tampa campus testing center (proctored). Arrangements can be made for students unable to travel to the Tampa campus to sit for a proctored exam on the LVHN campus on the date scheduled. Make up exam only available on universal make up day.

Syllabus:
- Visiting Students: Yes.
  - Apply via USF Health Morsani College of Medicine on VSAS.
- Special Instructions: Any student interested in a focused self-study program in a particular area of radiological anatomy must meet with one of the course co-directors at least one month prior to beginning of the elective to determine the course of study. Final exam proctored on last day of elective in the USF Testing Center. The only option for rescheduling is on the universal reschedule date in April.
Contact:  
Destiny McArthur  
Medical Education Coordinator  
dmcarthur@health.usf.edu

Report to:  
will be provided one week prior to the start of the rotation

Description:  
This elective is designed to introduce senior medical students to the role and practice of breast imaging. The elective is intended for publication, assisting in data collection and/or analysis and authoring or co-authoring original research.

Objectives:  
1. Develop an understanding of the effects of screening mammography on population based survival rates and the current recommendations for screening mammography
2. Discuss the most common pathologic entities of the breast
3. Develop a sound understanding of how to interpret a screening mammogram using the BI-RADS lexicon
4. Understand when a diagnostic mammogram, ultrasound or MRI is indicated in the evaluation of the breast
5. Observe mammograms and breast ultrasounds being performed and interpreted
6. Understand the strengths and limitations of the various breast imaging techniques
7. Describe image guided breast procedures and their indications
8. Develop an understanding for the interdisciplinary environment of breast care with radiologists, clinicians and surgeons, including attending weekly tumor board conferences
9. Follow a patient from image guided needle localization to lumpectomy
10. Have the opportunity to be involved in research for publication if a 4 week elective is chosen

Rotation Activities:  
The student will review breast imaging studies with faculty and diagnostic radiology housestaff.

Patient Encounters:  
Evaluation:  
The student will work closely with the attending radiologists who will provide the assessment.

Syllabus:  
Visiting Students:  
No

Special Instructions:  
N/A

Radiology MEL 7700 TGH 2-11 2 0 40 2 Hazeltone, Todd Clinical
**Intro to Radiology**

Contact:

Destiny McArthur  
Medical Education Coordinator  
dmcarthur@health.usf.edu

Report to:  
provided one week prior to the start of the rotation

1 st day Orientation for Periods A  
Assigned rotation for Periods B

Description:  
This two-week elective is designed specifically for third-year medical students to provide an introduction to diagnostic imaging. It includes two didactic lectures per week, group image interpretation sessions, and a series of didactic sessions given by radiology faculty and residents.

Objectives:

1. The medical student will develop an appreciation of the complexity of diagnostic imaging including an understanding of the types of studies available and the information they can provide. 
2. The students will also gain an understanding of the clinical indications for obtaining studies, the relative risk/benefit of radiologic procedures, and the basic technical aspects of how examinations are performed. 
3. The student will develop an understanding of the differences between, and interactions among, each of the imaging specialties and the operation of these radiologic subspecialties in the context of modern radiologic and medical practice. 
4. Regardless of their planned specialty, students should be able to recognize the following conditions on appropriate imaging studies: pneumonia, chest masses, stroke, head injury, pituitary adenoma, bone fracture, elbow joint effusion, and shoulder dislocation.

Rotation Activities:

Attend weekly lectures, participate in rotation assignments, presentation

Patient Encounters:

Evaluation:

Students are evaluated based on daily attendance, skills in presenting an imaging case, and by a written evaluation at the end of the course from each rotation week.

Syllabus:

Visiting Students:

No

Special Instructions:

Enrollment will be subject to availability and will require prior approval of the director.
Description: This elective is designed to introduce senior students to the practice of neuroradiology, including computed tomography (CT), magnetic resonance imaging (MRI), cerebral angiography, and other neuroradiologic procedures. Students will have the opportunity to attend neuroradiology lectures and multidisciplinary conferences at Tampa General Hospital.

Objectives: On this elective, the medical student will obtain:

1. An understanding of the indications for advanced neuroimaging (CT, MRI, CTA, MRA)
2. A fundamental understanding of basic neuroimaging with respect to pertinent normal anatomy
3. The ability to categorize and organize subdivisions of neuroimaging such as cerebrovascular, neoplasms, infection, etc.
4. The ability to discuss the most common neuropathologic entities
5. A basic understanding of technique and indications for cerebral angiography and other invasive procedures

Rotation Activities: The student will review neuroimaging studies with neuroimaging faculty and diagnostic radiology housestaff at the USF Radiology Department. Students will have a basic understanding of imaging diagnosis of neuropathology on computed tomography and magnetic resonance imaging.

Patient Encounters: Students are evaluated based on daily attendance and by a written evaluation at the end of the course.

Syllabus:

Visiting Students:

Special Instructions: Students are responsible of contacting the course director within the first 3 days of the rotation.
**Description:**
Diagnostic and therapeutic methodologies in interventional radiology will be studied in this elective.

**Objectives:**
The primary objective of this elective is to introduce the student to this specialized area of radiology. Through this elective, a project will be undertaken under the supervision of one of the instructors.

**Rotation Activities:**
During this elective, a project will be undertaken under the supervision of one of the instructors.

**Patient Encounters:**

**Evaluation:**
Attendance form and evaluation by the attendings will be used to measure grade.

**Syllabus:**

**Visiting Students:**
Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**
N/A

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**Contact:**
Destiny McArthur
Medical Education Coordinator
dmcarthur@health.usf.edu
Report to: Will be provided one week prior to the start of the rotation

Description: This elective is designed to introduce senior students to the practice of musculoskeletal imaging, including lectures and conferences at USF, Tampa General Hospital, and the H. Lee Moffitt Cancer Center.

Objectives: On this elective, the senior medical student will obtain:

1. An understanding of the indications for advanced musculoskeletal imaging (ultrasound, CT, arthrography, and MRI)
2. A fundamental understanding of basic musculoskeletal imaging with respect to pertinent normal anatomy in a musculoskeletal radiograph
3. The ability to categorize and organize subdivisions of musculoskeletal imaging such as rhematology, neoplasm, infection, etc.
4. The ability to discuss the most common musculoskeletal pathologic entities
5. A basic understanding of technique and indications for arthrography, bone biopsy, and other invasive procedures

Rotation Activities: The student will review musculoskeletal imaging studies with musculoskeletal imaging faculty.

Patient Encounters: The student will work closely with the attending musculoskeletal radiologists and housestaff.

Syllabus:

Visiting Students: Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: N/A

Contact:
Destiny McArthur
Medical Education Coordinator
dmcarthur@health.usf.edu

Radiology MEL 8704 Diagnostic Radiology

TGH 2 -11 Yr 4 Status 7 5 40-44 4 Hazelton, Todd Clinical
Description:
This elective is designed to provide an introduction to diagnostic radiology for medical students to develop basic knowledge and skills in radiology.

Student will spend three weeks at Tampa General Hospital and one week at the Morsani Center for Advanced Healthcare.

Objectives:
1. Students will develop a basic understanding of radiation safety and the risks of radiation exposure. Students will learn about radiation protection, dosimetry, and the principles of radiation protection.

2. Students should be able to choose the radiologic test that is most appropriate for the most common clinical presentations encountered in medical practice. Students will learn to interpret radiographic images and select the appropriate imaging modality.

3. Regardless of their planned specialty, students should be able to recognize the following conditions on appropriate images: acute stroke, brain abscess, cerebral hemorrhage, space occupying lesions, bone fractures, elbow joint effusion, and shoulder dislocation.

Rotation Activities:
Students will rotate through the following subspecialty areas of diagnostic radiology: body imaging, cardiology, chest imaging, computed tomography, and magnetic resonance imaging. A final exam will be given at the end of the elective.

Patient Encounters:
Students will work closely with attending diagnostic radiologists and housestaff who will provide assessment of patient care. They will be evaluated on both written questions and images, covering the reading assignments, didactic lectures, and important imaging diagnoses.

Evaluation:
The final exam is given on the last day of the elective on the Tampa campus in the testing center.

Syllabus:
Will be posted on Canvas.

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
All rescheduled final exams are only given on one universal date in April.

Contact:
Cody Donchez
Administrative Secretary
Radiology Administration
Cody.A.Donchez@lvhn.org
(610) 402-8088
**Report to:**  
Cody Donchez, Radiology Administrative Office LVH-Cedar Crest

**Description:**  
This elective is designed to maximize the opportunity for a medical student to work closely on a one to one basis with faculty and staff within the Department of Radiology.

**Objectives:**  
1. Students will develop an appreciation of the broad services a modern diagnostic radiology department provides, including all of the major modalities (radiography, CT, MR, US, nuclear medicine) and dedicated imaging of pediatric patients.
2. Students will be introduced to the concept of Appropriateness Criteria (as developed by the ACR) so that they may choose appropriate imaging examinations in the future, no matter what medical specialty they choose.
3. Students can expect to observe and be taught to recognize common and life threatening conditions including tube and wire complications, bowel obstruction, fractures, dislocations, bowel wall thickening, abdominal masses, intracranial hemorrhage and stroke.

**Rotation Activities:**  
The student will rotate through the following subspecialty areas of diagnostic radiology: plain film, fluoroscopy, body imaging, and interventional procedures. By the end of the rotation, the student should also feel more comfortable identifying which examination is appropriate for a given clinical situation.

**Patient Encounters:**

**Evaluation:**  
Students will be evaluated based on feedback from the various attending radiologists who have interaction with them.

**Syllabus:**

**Visiting Students:**  
No

**Special Instructions:**  
N/A

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**Contact by McArthur**

Medical Education Coordinator  
dmcarthur@health.usf.edu

Report will be provided one week prior to the start of the rotation

**Description:**  
This elective is designed to introduce senior students to the practice of cardiac and pulmonary imaging.

**Objectives:**  
1. An understanding of the indications for advanced cardiothoracic imaging (HRCT of the lung, CT (CTA, MRA) of the chest, and Nuclear Medicine studies)
2. A fundamental understanding of basic cardiothoracic imaging with respect to pertinent normal anatomy on cross-sectional imaging
3. The ability to discuss the most common pathologic entities of the chest
4. A basic understanding of technique and indications for imaging-guided biopsy and drainage procedures

Rotation Activities:
The student will review cardiothoracic imaging studies with faculty and diagnostic radiology.

Patient Encounters:
The student will work closely with the attending radiologists and housestaff who will provide

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

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Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Contact:
Destiny McArthur
Medical Education Coordinator
dmcarthur@health.usf.edu

Report to:
Will be provided one week prior to the start of the rotation

Description:
This elective is designed to introduce senior students to the practice of abdominal imaging, including ultrasound, CT, and MRI. The student will gain an understanding of the indications for ultrasound as well as body CT and MRI and a fundamental understanding of basic body imaging with respect to pertinent normal anatomy.

Objectives:
1. A basic technical understanding of ultrasound, CT, and MRI
2. An understanding of the indications for ultrasound as well as body CT and MRI
3. A fundamental understanding of basic body imaging with respect to pertinent normal anatomy
4. The ability to discuss the most common pathologic entities of the abdomen and pelvis

5. A basic understanding of technique and indications for imaging-guided biopsy and drainage procedures in the abdomen and pelvis

Rotation Activities:

The student will review body imaging studies with faculty and diagnostic radiology housestaff at the H. Lee Moffitt Cancer Center and Research Institute. Students will be exposed to a variety of abdominal and pelvic conditions, including but not limited to:

- Ultrasound
- Computed Tomography (CT)
- Magnetic Resonance Imaging (MRI)

Patient Encounters:

The student will work closely with the attending radiologists and housestaff who will provide guidance and feedback on their progress.

Syllabus:

Visiting Students:

No

Special Instructions:

Students must enroll at least 60 days prior to the start of the rotation for IT security purposes.

Contact:

Destiny McArthur
Medical Education Coordinator
dmcarthur@health.usf.edu

Report to:

Will be provided one week prior to the start of the rotation

Description:

This elective is designed to introduce senior students to the practice of abdominal imaging, including ultrasound, CT, and MRI. Students will gain a fundamental understanding of basic body imaging with respect to pertinent normal anatomy and pathologic entities. The elective focuses on:

- A basic technical understanding of ultrasound, CT, and MRI
- An understanding of the indications for ultrasound as well as body CT and MRI
- A fundamental understanding of basic body imaging with respect to pertinent normal anatomy
- The ability to discuss the most common pathologic entities of the abdomen and pelvis
- A basic understanding of technique and indications for imaging-guided biopsy and drainage procedures in the abdomen and pelvis
Rotation Activities:

- The student will review body imaging studies with faculty and diagnostic radiology housestaff at Tampa General Hospital.

Patient Encounters:

- The student will work closely with the attending radiologists and housestaff who will provide

Syllabus:

- Visiting Students:
  - Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

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Contact:

Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report to: Will be provided one week prior to the start of the rotation

Description: Students will participate in the preoperative, intraoperative and postoperative care of patients with vascular surgical disease. Interpretation will be given. Focus will be on the preoperative assessment and decision for operative intervention.
Objectives:

1. Describe a variety of noninvasive vascular diagnosis

2. Interpret physiologic data relative to angiographic findings and clinical symptoms

3. Compare operative and non-operative therapy for a wide variety of arterial and venous diseases

Rotation Activities:

The student is expected to function on a team with residents and attending surgeons. This service generates an active patient base which is encountered in the Non-Invasive Vascular Laboratory and Interventional Radiology.

Patient Encounters:

Students will be evaluated based on their ward performance and oral examination.

Syllabus:

Visiting Students:

Special Instructions:

Surgery

MDE 8632 Cardiac Surgery

LVH-CC 1-11 Yr 4 Status 1 0 60-70 4 Misselbeck, Tim

Clinical

Contact:

Joseph Stirparo, MD

Joseph.j.stirparo@lvhn.org

(610) 402-1350

Report to: Provided one week prior to the start of the rotation

Description: Students will participate in the preoperative, intraoperative, and postoperative care of this patient base. This wide ranging field encompasses multiple complex surgeries and disease processes.

Objectives:

1. Participate in pre-operative evaluation of the patient

2. Participate in the post-operative management of the patient

3. Assist with designated procedures in the operative suite

Rotation Activities:

Students will participate in pre-operative evaluation, assist at surgery and procedures and be
Patient Encounters:

Evaluation: Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students: Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions: Students will discuss personal goals with chair prior to start of rotation.

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Contact: Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report to: provided one week prior to the start of the rotation

Description: The service is oriented to trauma, facial, hand, cancer and cleft-palate surgery as well as reconstructive and cosmetic surgery. The student will work with attending surgeons and plastic surgery residents.

Objectives:

1. Develop an understanding of the varied areas of plastic surgery
2. Participate in the evaluation of plastic surgery patients
3. Participate in the treatment of plastic surgery patients
4. Describe basic plastic surgery principles such as flaps, v-y advancement, etc.

Rotation Activities: Students will participate in the preoperative, intraoperative and postoperative care of patients

Patient Encounters:

Evaluation: Students will be evaluated based on their ward performance.
Syllabus:

**Visiting Students:**
Yes. Apply via Lehigh Valley Network on VSAS.

**Special Instructions:**
N/A

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</tr>
</thead>
</table>

Contact:
Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report to:
Will be provided one week prior to the start of the rotation

**Description:**
The student will participate in a busy service with colon-rectal surgery residents. This rotation addresses common colorectal diseases and their systemic implications through the evaluation of patients with colon and rectal disorders. Students will observe or participate in procedures such as open and laparoscopic colectomies, rectal resections, and colorectal procedures. They will also become acquainted with diagnostic techniques such as fiberoptic colonoscopy and the evaluation and care of colon and rectal disorders arising from systemic disease.

**Objectives:**
1. Develop an understanding of the pathophysiology of common colorectal diseases
2. Create a differential diagnosis of colorectal disorders
3. Describe treatment and surgical options for colorectal disorders
4. Observe or participate in colorectal procedures and colonoscopies
5. Identify the relation of such disorders to systemic disease

**Rotation Activities:**
Students will participate in the outpatient, inpatient and surgical services provided by colorectal surgery. An emphasis will be placed on preoperative evaluation and operative decision making. Outpatient surgeries are performed at 17th street.

**Patient Encounters:**
Students will be evaluated based on their ward performance.
## Visiting Students:

Visiting students are welcomed. Apply via Lehigh Valley Network on VSAS.

### Special Instructions:

Special instructions are N/A.

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**Course Information**

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</table>

### Contact:

Contact: Margaret Child

Email: mmchild@health.usf.edu

### Report:

Report to be provided one week prior to the start of the rotation.

### Description:

This course is specifically designed to prepare students for surgical internship with a focus on the basic principles of surgical disease processes and common operations. It includes didactic lectures, anatomic dissections, and clinical case conferences.

### Objectives:

At the completion of the elective, students should be able to:

1. Identify general surgical anatomy as it relates to surgical disease processes and common operations using models and anatomic dissection.
2. Have an advanced understanding of the etiology, anatomic pathology and physiology of common surgical diseases.
3. Have an advanced understanding of the postoperative physiologic state.
4. Be able to recognize and understand the treatment of immediate life threatening conditions in the post operative patient.
5. Be able to recognize and treat common physiologic derangements and basic complications.

### Rotation Activities:

Rotation activities include didactics in AM and anatomy lab in PM.

### Rotation Information:

Patient encounters are scheduled as needed.

### Evaluation:

Students must successfully complete each component of the course in order to receive a passing grade.

**Laboratory - 60%**

**Weekly Quizzes - 20%**

**Post test - 20%**
**Syllabus:**

- **Visiting Students:** No
- **Special Instructions:** N/A

**Surgery**

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<tr>
<td>Contact</td>
<td>Margaret Child</td>
<td><a href="mailto:mmchild@health.usf.edu">mmchild@health.usf.edu</a></td>
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**Description:** This elective provides the student the opportunity to participate in hands-on care of surgical patients during rounds, in addition to participation in conferences, didactic lectures, and other teaching opportunities.

**Objectives:**

To give third-year medical students exposure to surgical subspecialties they might not experience elsewhere.

**Rotation Activities:**

- Operating room
- Clinic
- Rounds

**Patient Encounters:**

Evaluation will be based on clinical performance assessed by direct observation.

**Syllabus:**

- **Visiting Students:** No
- **Special Instructions:** N/A
Contact: Hailee Hall
USF Plastic Surgery Residency Coordinator
haileehall@health.usf.edu

Report to: Michael Harrington, MD
Plastic Surgery Department

Description: This elective provides the opportunity to participate in the active “hands-on” care of plastic surgery patients including clinic, operating room, and outpatient follow-up care.

Objectives: Exposure to General Plastic Surgery, Cancer Reconstruction, Trauma, and Burn.

Rotation Activities: Operating Room and Clinics

Patient Encounters:
Evaluation will be completed by direct observation. There will be no examination.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

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</table>
Contact: Hailee Hall
USF Plastic Surgery Residency Coordinator
haileehall@health.usf.edu

Report to: Paul Albear, MD
Plastic Surgery Department

Description: This elective provides the opportunity to participate in the active “hands-on” care of plastic surgery patients including the operating room. Students also participate in the outpatient follow-up care of the patients. No night call is required.

Objectives: Exposure to General Plastic Surgery, Cancer Reconstruction, Trauma, and Burn

Rotation Activities: Operating Room and Clinics

Patient Encounters:

Evaluation: Evaluation will be completed by direct observation. There will be no examination.

Syllabus:

Visiting Students: Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: N/A

Surgery MDI 8660 Plastic Surg Acting Internship
LVH-CC 1-11 Yr 4 Status 1 0 60-70 4 Stirparo, Joseph Clinical

Contact: Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350
Report to: Will be provided one week prior to the start of the rotation

Description: This elective provides the opportunity to participate in the active “hands-on” care of plastic surgery patients. Students will participate in the preoperative, intraoperative and postoperative care of patients in the operating room. Students also participate in the outpatient follow-up care of the patients. No night call is required.

Objectives:
1. Develop an understanding of the varied areas of plastic surgery.
2. Participate in the evaluation of plastic surgery patients
3. Participate in the treatment of plastic surgery patients
4. Describe basic plastic surgery principles such as flaps, v-y advancement, etc.

Rotation Activities:
Students will participate in the preoperative, intraoperative and postoperative care of patients with a variety of medical conditions. They will participate in the care of patients with pathophysiology such as chest trauma and GI bleeding. In addition, students will participate in the care of patients that have blunt and penetrating trauma.

Patient Encounters:

Evaluation: Evaluation will be completed by direct observation. There will be no examination.

Syllabus:

Visiting Students: Lehigh Valley Network on VSAS.

Surgical Trauma

Contact: Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Special Instructions:

Surgery

<table>
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<th>MEL 7805</th>
<th>Trauma Surgery AI</th>
<th>LVH-CC</th>
<th>1 -11</th>
<th>Yr 4 Status</th>
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</table>
2. Obtain a basic understanding of FAST
3. Identify life threatening acute traumatic injuries
4. Understand the psychosocial impact of traumatic injuries
5. Obtain a basic understanding of the pharmacology of pain management and its importance

Rotation Activities: As a member of the trauma team, students will participate in all endeavors and become conversant in the initial management, critical care and post-operative aspects of the surgical patients. At least a 1-week rotation on nights will be required.

Patient Encounters:

Evaluation: Students will be evaluated based on their clinical performance.

Syllabus:

Visiting Students: Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions: N/A

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<th>Clinical</th>
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</thead>
</table>

Contact: Margaret Child
mmchild@health.usf.edu

Report to: provided one week prior to the start of the rotation

Description: Students electing this course will work with the residents and faculty in the Division of Trauma.

Objectives:
1. To expose the senior student to the role of a surgical intern
2. Afford the student an in-depth experience in total patient management so these responsibilities may be assumed with confidence in the internship year

Rotation Activities: As a member of the trauma team, students will participate in all endeavors and become conversant in the initial management, critical care and post-operative aspects of the surgical patients. At least a 1-week rotation on nights will be required.
### Patient Encounters:

**Evaluation:** Students will be evaluated based on their clinical performance.

### Syllabus:

**Visiting Students:**
Apply via USF Health Morsani College of Medicine on VSAS.

### Special Instructions:

### Contact:

**Joseph Stirparo MD**

Joseph_j.stirparo@lvhn.org

(610) 402-1350

**Report to:** Lehigh Valley Hospital – Cedar Crest – Surgical Simulation Center

### Description:

This intensive elective is designed for the fourth year medical students who has a desire to enter a general surgery residency program. The course is aimed to improve technical and clinical skills essential for a surgical residency. It is an advanced surgical skills course that focuses on developing the ability to perform common surgical procedures using simulators and prosections. The course also aims to develop an understanding of surgical disease etiology, pathogenesis, and diagnostic studies commonly utilized in the clinical setting. Objectives include:

1. Complete common surgical procedures using simulators and prosections.
2. Develop an advanced understanding of the etiology, pathogenesis, and diagnostic studies used to diagnose and treat surgical diseases.
3. Develop an advanced understanding of surgical treatment options and alternatives for surgical diseases.
4. Be able to recognize and treat immediate life threatening conditions.
5. Improve their ability to treat and relieve pain and suffering.

### Rotation Activities:

This course is designed to prepare students for entering first year clinical experiences in surgical fields. Students will perform hands-on surgical procedures. Simulation activities include suture and knot tying, basic laparoscopy, and emergent bedside procedures.

### Patient Encounters:

**LVH-CC**

Yr 4  Status  60-70  4  Clinical

Click here for additional course information.
Students will be evaluated based on their clinical performance and 1-2 oral presentations.

Syllabus:

Visiting Students:

Special Instructions:

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<th>USFMS 9</th>
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<td>Advanced Surgical Skills</td>
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Click here for additional course information

Contact: Margaret Child
mmchild@health.usf.edu

Report to: Will be provided one week prior to the start of the rotation

Description: This is a one-month intensive intern boot camp course designed to prepare students entering a surgical residency or similar programs. The course aims to improve hands-on clinical skills in the ICU and OR, as well as to develop an advanced understanding of surgical diseases and their management.

Objectives:

1. Complete common surgical procedures using simulators and prosections
2. Develop an advanced understanding of the etiology, pathogenesis and diagnostic studies used to diagnose and treat surgical diseases
3. Develop an advanced understanding of surgical treatment options and alternatives for surgical diseases
4. Be able to recognize and treat immediate life threatening conditions
5. Improve their ability to treat and relieve pain and suffering

Rotation Activities:

Patient Encounters:

Evaluation: Students will be evaluated based on laboratory performance, a final simulation exam, and attendance. Feedback will be provided to each student at the end of the rotation.

Syllabus:

Visiting Students:
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<th>Surgery</th>
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<tr>
<td>Contact</td>
<td>Burjonr appa, Sathya prasad</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:mmchild@health.usf.edu">mmchild@health.usf.edu</a></td>
</tr>
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</table>

**Description:**
This elective will provide the student with the opportunity to function as a sub-intern. Students will assist with the care of patients in the Pediatric Surgery Service. The students will participate in all aspects of the care of the pediatric patient, including inpatient and outpatient work. Students will be expected to participate in conferences, rounds, and didactic lectures. Night duty will be on an on-call basis in association with the residents rotating through the service.

**Objectives:**
The objective of this course is a broad exposure to pediatric surgery. This will involve hands-on care of the pediatric surgical patient. In addition, participation in conferences, didactic lectures, and other teaching opportunities will be available.

**Rotation Activities:**
In-patient and outpatient

**Patient Encounters:**

**Evaluation:**
Students will be evaluated based on ward performance.

**Syllabus:**
Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.
Contact: Margaret Child
mmchild@health.usf.edu

Report to: provided one week prior to the start of the rotation

Description: This elective is designed to offer students active participation in organ procurement, preservation, and an understanding of the role of organ sharing networks.

Objectives:
- Students will receive an overview of all aspects involved in liver and renal transplantation, from donor identification through clinical transplantation and long-term follow-up.

Rotation Activities:
- Students will work under the direct supervision of the Director of Transplant Surgery, LifeLink Transplantation.
- Students will become directly involved with the evaluation and work-up of possible renal and liver transplant candidates.
- Students will participate in the various aspects of transplantation, including immunology, tissue typing, and the concepts of histocompatibility antigens.

Patient Encounters:
- Students will be directly involved with the evaluation and work-up of possible renal and liver transplant recipients, including the identification, management, and treatment of infections and rejection complications.

Evaluation:
- Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

<table>
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<th>Surgery</th>
<th>MEL 7819 Surgical Transplant Elective LVH-CC 1-11 Yr 4 Status 1 0 60-70 4 Moritz, Michael Clinical</th>
</tr>
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</table>

Contact: Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report to: provided one week prior to the start of the rotation
Description: This elective is designed to offer students active participation in organ procurement, the harvesting and preservation of kidneys and livers, and an understanding of the role of the organ sharing networks.

Objectives: Students will receive an overview of all aspects involved in liver and renal transplantation, from donor identification through clinical transplantation and long term follow up.

Rotation Activities: Students will work under the direct supervision of the Director of Transplant Surgery, LifeLink Transplantation, and experience in the area of transplantation immunology, tissue typing, and the concepts of histocompatibility antigens.

Patient Encounters: Students will be directly involved with the evaluation and work up of possible renal and liver transplant recipients, including the identification, management, and treatment of infections, and rejection complications.

Evaluation: Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students: Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions: N/A

Contact: Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report: Provided one week prior to the start of the rotation

Description: This is a clinical rotation that includes graded responsibility, as well as regular formal instruction in techniques of advanced surgical intensive care.

Objectives:
1. Describe common surgical complications, preoperative preparation of the complex surgical patient, and practical application of hemodynamic monitoring.
2. Analyze the acute phase response patients undergo with respect to their disease processes and surgical procedures with an emphasis on fluid and electrolyte balance.
3. Examine pulmonary artery catheterization, placement of central venous catheters, and modalities of parenteral and enteral nutrition.

Surgery | MEL 7827 Advanced Surgical Intensive Care | LVH-CC | Yr 4 Status | 2 | 0 | 60-70 | 4 | Stirparo, Joseph | Clinical
-- | -- | -- | -- | -- | -- | -- | -- | -- | --

Click here for additional course information

MEL 7827 Advanced Surgical Intensive Care
Rotation Activities:
Inpatient rotation assisting a dedicated team provide surgical critical care to patients with critical illnesses. Focus will be on basic principles of critical care including sedation, pain control, ventilator management and management of shock states.

Patient Encounters:

Evaluation:
Students will be evaluated based on their clinical performance.

Syllabus:

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
N/A

Contact:
Hailee Hall
haileehall@health.usf.edu

Report to:
Dr. Mary Ottinger
mottinger@health.usf.edu

Description:
Students will participate in clinical care involving the Vascular Surgery Service. The student will work closely with the Vascular Surgery Service to provide surgical care to patients with vascular disease. Interpretation of physiologic data relative to angiographic findings and clinical symptoms will be emphasized.

Objectives:
This rotation should provide the student with a broad exposure to clinical presentation, diagnostic evaluation, and operative and non-operative therapy for a wide variety of arterial and venous diseases.

Rotation Activities:
Operating room and clinics

Patient Encounters:

Evaluation:
Students will be evaluated based on their ward performance and oral examination.

Syllabus:
Surgery

MEL 7828
Vascular Surgery AI

LVH-CC 1-11
Yr 4
Status 1 0 60-70 4

Guzzo, James
Clinical

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Surgery

MDR 8605
Vascular Surgery AI

USFMS 1-10
Surg Care 1 0 44 4

Ottinger, Mary
Reseach
This elective is designed to allow students an exposure to research in vascular diagnosis and fundamental problems in vascular disease.

Objectives:
- Exposure to vascular diagnosis and research on fundamental problems in vascular disease
- Rotation Activities provides the student with an opportunity to have hands-on experience with instrumentation that maps arterial and venous pathways.

Patient Encounters:
- Students will be evaluated based on their laboratory performance and an oral presentation at the Vascular Surgery Conference.

Syllabus:
- Visiting Students:
- Special Instructions: N/A

| Surgery | MDI 8600 Gen Surg Acting Internship | TGH | 1-11 | Yr 4 Status | 2 | 0 | 70 | 4 | Sanchez, Jaime | Clinical |
Report to: Will be provided one week prior to the start of the rotation

Description: Students may choose to participate on the Gold Surgery, Colorectal Surgery, Bariatric, or JAHVA general surgery services. The objectives of the rotation are to expose the senior student to the role of a surgical intern and to afford the student an in-depth experience in total patient management so that these responsibilities may be assumed with confidence in the internship year.

Rotation Activities: Attendance will be required at Grand Rounds, Morbidity, and Mortality Conference, and various other conferences. The student will also be active in surgery service, being responsible for patient management on their ward, including inpatient line placement, chest tube placement, etc with appropriate supervision. Operating room experience will also be extensive.

Patient Encounters: Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students: Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: N/A

Contact: Margaret Child mmchild@health.usf.edu

<table>
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Click here for additional course information.
2. To afford the student an in-depth experience in total patient management so that these responsibilities may be assumed with confidence in the internship year.

**Rotation Activities:**

Attendance will be required at Grand Rounds, Morbidity, and Mortality Conference, and various other conferences. The student will also observe other critical care procedures such as central line placement, chest tube placement, etc, with appropriate supervision. Operating room experience will also be extensive.

**Patient Encounters:**

Students will be evaluated based on their ward performance.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

N/A

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**Surgery**

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</table>

**Contact:**

Stirparo, MD

Joseph_j.stirparo@lvhn.org

(610) 402-1350

Report to: will be provided one week prior to the start of the rotation

**Description:**

Students may choose to participate on several services. On these services, the student is expected to function as an active participant and assume responsibilities in total patient management.

**Objectives:**

1. Obtain a basic understanding of the pathophysiology and treatment of general surgery conditions including hernia, gallbladder, and appendix.

2. Refine basic technical skills including suturing and knot tying.

3. Identify postoperative complications in common surgical procedures.

4. Understand the pharmacology of basic medications for pain control.

**Rotation Activities:**

Attendance will be required at Grand Rounds, Morbidity, and Mortality Conference, and various other conferences.
### Patient Encounters:

**Evaluation:** Students will be evaluated based on their ward performance.

### Syllabus:

**Visiting Students:** Lehigh Valley Network on VSAS.

### Special Instructions:

N/A

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</table>

**Contact:**

Joseph Stirparo, MD

Joseph_j.stirparo@lvhn.org

(610) 402-1350

**Report to:** provided one week prior to the start of the rotation

**Description:**

The Department of Urology provides comprehensive, urologic patient-oriented care with concern for quality of life and state-of-the-art multidisciplinary patient care while striving to blend compassion, technology and advanced techniques.

**Objectives:**

The objectives of this rotation are to provide exposure to the field of Urology as a background for practice in other areas and to offer closer acquaintance with this field for those considering it for possible future specialization.

**Rotation Activities:**

Students will participate in the pre-operative work-up of urological patients. Students will learn from attending faculty through the pre-operative care of urological patients and assist in the operating room. Students will present cases to the weekly conference for urology residents and faculty during the last week of the rotation.

**Click here for additional course information**
Patient Encounters:

**Evaluation:** Students will be evaluated based on their ward performance and oral examination.

**Syllabus:**

**Visiting Students:** No

**Special Instructions:** N/A

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**Contact:** Cessna

lcessna1@health.usf.edu

Dr. Justin Parker

jparker1@health.usf.edu

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**Report to:** The rotation will be provided one week prior to the start of the rotation.

**Description:** The Department of Urology, at the University of South Florida provides comprehensive, urologic patient-oriented care with a focus on state-of-the-art multidisciplinary patient care while striving to blend compassion, technology, and advanced techniques.

The elective is an introduction to basic urology with emphasis on clinical service designed to provide a background for those students who will participate in advanced clinical training at the University of South Florida. The clinic rotations will be designed at a level of learning for 4th year medical students. During the rotation students will be supervised and instructed on a one-to-one basis by their preceptor(s), fellows, residents, and other qualified faculty responsible for teaching and evaluation.

**Objectives:** The objectives of this rotation are to provide exposure to the field of Urology as a background for practice in other areas and to offer closer acquaintance with this field for those considering it for possible future specialization.

**Rotation Activities:** Students will participate in the faculty clinics and pre-operative work-up of urological patients. Students will learn basic urology skills with emphasis on patient care. Attendings will participate in the weekly educational conference for urology residents and faculty prior to the completion of their rotation.

**Patient Encounters:** Students will be evaluated based on their ward performance and oral examination.
Syllabus:

Visiting Students: Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: