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 cbjohns6@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:

1. For housing requests, visit https://secure.jotformpro.com/form/40904101972953
2. Complete the State of Pennsylvania Criminal Clearances in CERTIPHI.
   - Please sign and email copies of the following forms to: medicalstudents@lvhn.org
   - Copy of your current Immunization Record (including proof of current TB test and seasonal flu vaccination (Mandatory for all rotations occurring between Oct 1 – May 1.)

Drop/Add open 4/??/20 - 01/31/21

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.
   - Scroll down to Eligible Courses to Add
   - 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 01/31/21.
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.
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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<tbody>
<tr>
<td>4 WEEK PERIOD</td>
<td>MEL</td>
<td>xxxx</td>
<td>Elective Y</td>
<td>USFMS</td>
<td>8/3</td>
<td>0/0</td>
<td>0/0</td>
<td>8/6</td>
<td>8/7</td>
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<td>8/6</td>
<td>8/8</td>
<td>8/5</td>
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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>
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<th>Title</th>
<th>Site</th>
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<th>12</th>
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</thead>
<tbody>
<tr>
<td>2 WEEK PERIOD A</td>
<td>MEL</td>
<td>xxxx</td>
<td>Elective Z</td>
<td>TGH</td>
<td>2/0</td>
<td>2/0</td>
<td>2/0</td>
<td>2/0</td>
<td>2/0</td>
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<tr>
<td>2 WEEK PERIOD B</td>
<td>MEL</td>
<td>xxxx</td>
<td>Elective Z</td>
<td>TGH</td>
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<td>2/0</td>
<td>2/0</td>
<td>2/0</td>
<td>2/0</td>
<td>2/0</td>
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<tr>
<td>4 WEEK PERIOD</td>
<td>MEL</td>
<td>xxxx</td>
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<td>2/0</td>
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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.

Course Key
See Course Key for a definition of sites.

Calendar
Calendar 20-21.pdf
Description: Advanced anatomy is an elective course designed to provide prospective students with an opportunity to review anatomical structures with an emphasis on 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 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:
Evaluation is based on completion of the assignments. Please see the syllabus.

Syllabus:

SonoSim modules can be completed online. Periods 8-10 are offered as hands-on rotations or scheduled as rotations.

<table>
<thead>
<tr>
<th>Anat</th>
<th>USFMS</th>
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<th>40</th>
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<th>Basic Science</th>
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Contact: Dr. Srinivas Bharadwaj
sribharadwaj@usf.edu

Report to: Dr. Bharadwaj at sribharadwaj@usf.edu

SonoSim modules can be completed online. Periods 8-10 are offered as hands-on rotations or scheduled as rotations.
MDE 8521
Applied Head and Neck Anatomy

Lopez Cardona, Hector
Contact: Dr. Hector Lopez-Cardona
lopezh@usf.edu

Report any questions to Dr. Lopez-Cardona at lopezh@usf.edu

Description: Applied Head and Neck Anatomy is an elective course designed to provide prospective students with an opportunity to learn relevant and applicable aspects of anatomy applicable to 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 has 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 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: Evaluation is based on completion of the assignments. Please see the syllabus.

Syllabus:

Visiting Students:

Special Instructions:

<table>
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<tr>
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<td>Lopez Cardona, Hector</td>
<td>Basic Scienc e</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
Description: Applied Anatomy of Musculoskeletal System is an elective course designed to provide prospective students with an understanding of anatomy applicable to 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:

Visiting Students: No

Special Instructions: SonoSim modules can be completed online. Periods 8-10 are offered as hands-on rotations only.
<table>
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<tr>
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<td>2.4</td>
<td>Schwa nn, Nan</td>
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</table>

**Contact:** schwann@lvhn.org  
(484) 866-9581

**Report to:** Anesthesia work room

**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. Airway management, respiratory physiology, cardiovascular physiology, perioperative management, and invasive procedures will be taught.

**Rotation Activities:** Medical students are expected to make preoperative rounds with the anesthesia 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:
Thomas Finney
Thomas.Finney@moffitt.org
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. The course emphasis will be tailored to the medical specialty the extern expects to enter and the skill set of the student.

Objectives:
The primary objective of this course is to introduce the student(s) to the practical/hands on approach to anesthesiology. The course will emphasize 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. Rotation activities may include the option to observe in the preoperative area, the operating room, the recovery area, and the ICU. An introduction to peripheral regional blocks will be included for those students that express an interest.

Patient Encounters:

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
### 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 and critical care. This will 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 also be exposed to different areas of critical care. Transthoracic Echocardiogram (TTE) and/or Transesophageal Echocardiogram (TEE) would be presented to students interested.

### Patient Encounters
The patient case types will depend on the medical specialty the student plans to enter.

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

### Syllabus

<table>
<thead>
<tr>
<th>Anesth</th>
<th>MEL 73207</th>
<th>EXT</th>
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<td></td>
<td></td>
<td></td>
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</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 tamponade, basic murmurs of mitral stenosis, aortic stenosis, tricuspid 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, 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 arrhythmia  
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, support patient care decisions and enhance both patient and physician education  
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:  
Students will participate in the evaluation of patients and will assist with the integration of the general medical data. 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:

<table>
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<tr>
<th>Card</th>
<th>MDE 8224 Consultative Cardiology</th>
<th>TGH 1-11</th>
<th>Adult Med, Pri Care</th>
<th>2</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Prida, Xavier</th>
<th>Clinical</th>
</tr>
</thead>
</table>
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 integrative didactics that enable the Cardiology Consultative elective rotation is an experiential patient based rotation with integrative didactics that enable the learner to use 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 conducted. The learner and teacher(s) will discuss the goals and objectives have been realized and deficiencies identified, so that future learner plans may be derived.

Objectives 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, CT and/or MRI 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 expected. This will be performed when necessary 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:

Visiting Students: No

Special Instructions:

N/A
<table>
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<tr>
<th>Card</th>
<th>MDE 8224 Consul tative Cardiol ogy</th>
<th>T-VAH</th>
<th>1 - 11</th>
<th>Adult Med, Pri Care</th>
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<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Leonelli, Fabio</th>
<th>Clinical</th>
</tr>
</thead>
</table>
Contact: Twyla Sumpter
tsumpter@health.usf.edu

Report to Twyla Sumpter at least one week prior to the start of the rotation to determine your C Cardiology Consultative elective rotation is an experiential patient based rotation with inte

At the completion of the rotation it shall be expected that a face to face “360” between learner.

Objectives shall:

1. Understand the question(s) framed from the originators of the consultative request and the
2. Develop and perform the focused cardiovascular interview question(s) and review of cardiov
3. Practice and refine the 5-point cardiovascular exam physical findings- general physical findi
4. Integrate the history and physical exam into efficient, appropriate, and cost effective test o.
5. Interpret, with supervision, the objective testing performed including ECG, imaging modali.
6. Provide differential diagnosis and understand the classification of disease states that pert.
7. Recognition and interpretation of ECG rhythms (heart blocks, tachyarrhythmias) and approc
8. Participate in an environment of inquiry (including psychological safety) for the developme
9. Develop the communication and cooperation skills for collaborative care with the requesti
10. Recognize the need for ongoing management of patients with multiple co-morbidities ano

Rotation Activities:

Students will perform all cardiology patient care activities as associated with the consultative

Patient Encounters:

Evaluations will make performance evaluations from data derived from clinical discussions ar.

Syllabus:

Visiting Students:

Special Instructions:
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<tr>
<th>Card</th>
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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 team, the critical care nursing team, and the attending 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 insufficiency, tricuspid 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, 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 from 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 arrhythmia.
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 team, the critical care nursing team, and the attending cardiologist. Attendance at various other weekly Cardiology Department teaching conferences is required.

Patient Encounters:

Evaluation: 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
Upon completion of this elective, the student will be able to conduct a full dermatologic examination and will be able to discriminate between normal and abnormal skin. 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:

- 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 hands-on activities to practice dermatological procedures. Students will learn basic dermatologic procedures including shave biopsies, scalpel biopsies, punch biopsies, surgical excisions.

Patient Encounters:

- Evaluate 10-minute 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, conduct, etc.) will be provided.
- Syllabus 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:

| Derm | MDE 8536 Elective in Dermatopathology | USFMS 8 - 11 | Yr 4 Status | 2 | 0 | 40-44 | 4 | Rodriguez-Waitkus, Paul |
**Contact:** Cessna

lcessna1@usf.edu

(813) 974-3070

**Report Rodriguez-Waitkus, MD, PhD**

Director, Dermatopathology Lab, 4th Floor
Morsani Center for Advanced Healthcare
13330 USF Laurel Drive
Tampa, FL 33612

**Description:** This course is designed for students interested in expanding their knowledge of dermatopathology. Students will receive training in the diagnosis of a variety of dermatopathologic conditions.

**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 depending on availability of such a project

**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:**

**Evaluation:** The student will be evaluated by the faculty & residents in dermatopathology.

**Syllabus:**

**Visiting Students:**

Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>USMS</th>
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<th>Credits</th>
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</table>

**Contact:** Cessna

lcessna1@usf.edu

(813) 974-3070

**Report to:** Morsani Center for Advanced Healthcare

13330 USF Laurel Drive

Tampa, FL 33612

Dermatology, 6th Floor

**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: progress and performance in the clinical setting will be evaluated by the faculty and .

Syllabus:
A handbook with general information about clinic duties and expectations (i.e., dress code, cor.

Visiting Students:

Special Instructions:

<table>
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<th>Derm</th>
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<tr>
<td>Emerg Med</td>
<td>MDE 8714 Intro to Medical Toxicology</td>
<td>LVHN</td>
<td>2 - 5, 7 - 11</td>
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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. This includes history-taking and physical exam, formulation of differential diagnoses, implementation of treatment, and development of safe disposition plans.
2. Understand the principles, methods and controversies related to limiting toxic exposures including gastric lavage, activated charcoal administration, renal replacement therapy, ion trapping, and hyperbaric oxygen.
3. Review knowledge of basic kinetic principles of drug absorption, redistribution, metabolism, and elimination.
4. Study poisoning epidemiology specifically within populations ‘at risk’ such as toddlers, the elderly, pregnant or nursing women, migrants and immigrants.
5. 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.
6. Learn guiding principles of the management of acute intoxication in the Emergency Department. Commonly abused drugs for specific socioeconomic groups will be reviewed. Withdrawal states will also be discussed.
7. Become familiar with selected antidotes, their uses, doses, side effects and limitations.
8. Develop awareness for important agents of toxinology (naturally occurring toxins). These include plants and animals toxins, especially focusing on native venomous arthropods, reptiles and marine creatures.
9. Understand diagnostic toxicology laboratory techniques, limitations and costs of both qualitative and quantitative analyses.
10. Observe the clinical operation of a Poison Center. Understand the public health role of the Poison Center in gathering and disseminating data including protected health information (PHI).
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.
6. Students will be expected to prepare two 10 minute presentations on a pre-approved topic.
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 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:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A
Contact: Pamela Bhowanidin  
(813) 844-7044  
Dr. Justin Arnold  
jkarnold@usf.edu

Report to: One Davis Blvd, Suite 203 (Second Floor) at 9 am on the first weekday of the rotation

Description: 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.
2. Understand the principles, methods and controversies related to limiting toxic exposures
3. Review knowledge of basic kinetic principles of drug absorption, redistribution, metabolism
4. Learn guiding principles of the management of acute intoxication in the Emergency Department
5. Become familiar with selected antidotes, their uses, doses, side effects and limitations.
6. Observe the clinical operation of a Poison Center. Understand the public health role of the
7. Understand basic management and response principles related to hazardous materials (HAZMAT)
8. Manage a variety of poisoned patients through daily case-based learning, case review, and

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 the Florida Poison Information
3. Participation in daily case review of active poison center patients is required.
4. Participation in a variety of teaching activities, including but not limited to in person lectures
5. Asynchronous learning through the assignment of selected journal articles relevant to the
6. Preparation of an abstract suitable for submission to a regional, national, or international c
7. Students will be expected to prepare a 15-minute presentation on a pre-approved topic of t.

Patient Encounters:
Evaluation:

1. Individual case presentations and management will be assessed during discussion with the medical toxicologist.

2. Attendance at daily case discussion, lectures, webinars, and other poison center activities will be counted in the evaluation.

3. Reading of assigned journal activities will be assessed through two quizzes throughout the rotation.

4. The quality of the prepared abstract will be counted in the evaluation.

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

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Emerg Med MDI 8710 AI in Emergency Medicine

LVHN 1 - 8 Yr 4 Status 2 0 40-44 4 Worrollo, Charles Clinical

Contact: Yenser

Dawn.Yenser@lvhn.org
(484) 884-2489
LVH-M 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.

Objectives: Rotation will enrich students’ knowledge, help them develop history-taking ability, physic.

Rotation Activities: Suture lab, journal club, EBM lecture, ultrasound didactic and hands-on, trauma si

Patient Encounters: E

Evaluation: Students will be graded based on clinical evaluations from their preceptors. Additionally, stu

Syllabus:

Visiting Students: Lehigh Valley Network on VSAS.

Special Instructions:
Contact: 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 education.

Objectives: The rotation will enrich students' knowledge, help them develop history-taking ability, physical skill assessment, decision-making skills, critical thinking ability, and trauma management skills. Additionally, it will help them develop a caring, compassionate, and empathetic attitude in dealing with patients and their families.

Rotation 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 no required quotas for the number and types of patients seen, however it is expected that students will attempt to see a variety of chief complaints.

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 during an end of rotation meeting and this also is used for grading purposes.

Syllabus: Provided in orientation email

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

Special Instructions: N/A
<table>
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<th>Emerg Med</th>
<th>MDR 8710 Research in Emergency Medicine</th>
<th>TGH</th>
<th>1 - 11</th>
<th>None</th>
<th>2</th>
<th>0</th>
<th>40</th>
<th>2,4</th>
<th>Wilson, Jason</th>
<th>Research</th>
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Click here for additional course information.
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 human subjects research. During this process, student will obtain CITI certification.
2. Understand the administrative infrastructure necessary to operationalize emergency medicine.
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:

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

Syllabus:

Visiting Students:

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.
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<th>Course Title</th>
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<th>Credits</th>
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<th>Description</th>
<th>Objectives</th>
<th>Rotation Activities</th>
<th>Patient Encounters</th>
<th>Evaluation</th>
<th>Syllabus</th>
<th>Visiting Students</th>
<th>Special Instructions</th>
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<tr>
<td>Emerg Med MDT 8710 Intro to Emergency Medicine</td>
<td>TGH</td>
<td>1 - 9 (Yr 4) 1-12 (Yr 3)</td>
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<td>40</td>
<td>2</td>
<td>Zachariah, Anish</td>
<td>Click here for additional course information</td>
<td>Contact: Zachariah, MD</td>
<td><a href="mailto:ZachariahMD@gmail.com">ZachariahMD@gmail.com</a></td>
<td>Report to: Dept. of Emergency Medicine</td>
<td>One Davis Blvd. Suite 502</td>
<td>Tampa, FL 33609</td>
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<tr>
<td>Family Med MDE 8104 Complex Care in the Community</td>
<td>LVHN</td>
<td>1,3,5,7, 9,11</td>
<td>Yr 4 Status</td>
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</table>
The Neighborhood Health Centers of the Lehigh Valley (NHCLV) is a Federally Qualified Com

Objectives:
1. Develop empathy and deeper understanding by developing relationships with patients and
2. Identify social determinants of health across the lifespan that contribute to opiate use diso.
3. Walk with patients and describe how healthcare systems designed to help sometimes do h
4. Develop skills in health coaching for self management of complex health issues using mot.
5. Describe the roles in interdisciplinary team and progression to transformation for patients
6. Understand treatment options for patients with opiate use disorders, including community
7. Describe the health policy implications of learnings from personal experiences including s.
8. Reflect on implications for relationship centered care in student's vision of personal practi.

Rotation Activities:
Students will participate in daily team rounds, initial assessments, primary care and medicati

Patient Encounters:
Evaluations will work in close contact with the interdisciplinary team and participate in daily hu.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:
Student must contact Dr. Letcher to plan specific goals and activities for the e.
<table>
<thead>
<tr>
<th>Family Med</th>
<th>MEL 7258</th>
<th>Elect in Rural Med or Underserved</th>
<th>LVHN</th>
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</table>

**Contact:**

Mackenzie Mady, DO  
502 S. Second St  
St. Clair, PA 17970  

Mackenzie.mady@lvhn.org  
Office: (570) 621-4364  
Cell: (570) 573-3659

**Report to:**  
Students will be contacted by Dr. Mady and Diane Boris a week prior to the rotation to coordinate housing as well as to obtain patient information re: the student’s interests in an effort to tailor the experience. Reporting information will be discussed at this time.

**Description:**  
This is a rural/underserved health elective in which a student will be matched with an attending physician in the community where the student will be based. This will allow the student to have a unique and diverse experience, which have a different flavor and feel. Students interested in a remote experience should consider other options.

**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.
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. Opportunities are available for additional practice activities within the hospital (e.g. pediatric hospitalists and emergency department), local specialists (e.g. cardiology and pulmonary), and in the community.
4. Students may travel to LVPG Family Medicine Hamburg for additional procedures, as well as Allentown for residency-based activities related to the student’s particular interests.

**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:**
Lehigh Valley Network on VSAS.

**Special Instructions:**
Diane Boris, MBA coordinates housing:

700 East Norwegian Street
Pottsville, PA 17901
Phone: 570-621-4142
Email: Diane.Boris@lvhn.org

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</table>

Contact: Giordano

lindag@usf.edu
(813) 974-1996

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 population. Students will gain 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 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. (i.e., including Saturday clinics)
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:

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)
- Pinellas Community Health Centers (Clearwater, Largo, Pinellas Park, St. Petersburg, Tarpon Springs)
- Citrus County Health Department (Lecanto)

Family Med 7258 Elect in Rural Med or Underserved

DMH 1 - 11 Yr 4 Status 1 0 40-44 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. Students will gain 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 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 and managed care.

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 or evening clinic visit.
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 of knowledge, judgment, and rapport.

Syllabus:

Visiting Students: Applying for 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.

Special Instructions:

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

Contact: Linda Giordano
lindag@usf.edu
(813) 974-1996

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

### Description:

This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved community. It provides a better understanding of providing care to a medically underserved population and the tremendous health needs that exist.

### References

Report to:

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

### Contact:

Linda Giordano  
lindag@usf.edu  
(813) 974-1996

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

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<tbody>
<tr>
<td>SCHC</td>
<td>1 - 11</td>
</tr>
</tbody>
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**Click here for additional course information**
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). The student will observe procedures performed by the physician and will be exposed to the entire scope of the physician's clinical practice.

3. At certain locations opportunities are available for additional practice activities within the clinic site, will see patients, and will perform procedures assigned by the preceptor under his/her supervision.

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.

Sites:

Premier Community HealthCare Group (Dade City), Suncoast Community Health Care Centers: Suncoast Community Health Care Centers, Pasco (New Port Richey), Pinellas (Clearwater, Largo, Pinellas Park, St. Petersburg, Tarpon Springs), or Citrus County Health Department (Lecanto).
Contact: Giordano
lindag@usf.edu
(813) 974-1996

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

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

Description: Elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved practice setting. Students will gain 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 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 and access to necessary resources

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

1. The student will work with a specific preceptor who will provide a schedule of rotations and the student will see patients and perform procedures assigned by the preceptor.
2. The student will accompany the physician during the course of the preceptor’s schedule in rural or underserved practice settings.
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 and understanding as well as knowledge, judgment, and rapport.

Syllabus:

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

Special Instruction: This elective is available to USF students only. The Department of Family Med.
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:
- 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.
<table>
<thead>
<tr>
<th>Family Med</th>
<th>MDI 8120 Acting Internship Family Med</th>
<th>BFMC</th>
<th>1, 3 - 6, 8 - 11</th>
<th>Yr 4 Status</th>
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<th>4</th>
<th>González, Eduardo</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Giordano
lindag@usf.edu
(813) 974-1996

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, including diagnostic test ordering, 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 can rotate through the various inpatient services. The student can do admissions, attend rounds, perform diagnostic test ordering, follow-up on labs/consults/imaging, and doing discharge planning. Overnight call is to be determined by the site of the AI.

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:
Final arrangements concerning the course location/preceptor will be made by the Department.
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 fellows, providing care to patients across the spectrum of age and illness, and to learn the skills of a primary care physician.

Objectives:

Hospital Based
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 the attending and the admission to the 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.

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. Activities include, but are not limited to: morning report and teaching rounds, writing orders, following up on labs/consults/imaging, and doing discharge planning.

Patient Encounters:
Evaluation:

Fund of medical knowledge

Quality of presentations and clinical decision-making skills

Attitude, motivation, and rapport with patients and team members

Family Medicine Portfolio completion

Syllabus:

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 intern. The skills and values of "Turtle Craft," our relationship-centered approach to family medicine, will be taught.
Contact: Linda Giordano
lindag@usf.edu
(813) 974-1996

Report to: Morton Plant Hospital

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, including the admission to the 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 and the attending physician. This includes examining and treating patients in the hospital setting, attending rounds, making rounds, writing orders, reviewing labs/consults/imaging, and doing discharge planning. Overnight call is to be determined by the site of the AI.

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

Special Instructions: Final arrangements concerning the course location/preceptor will be made by the Department.
<table>
<thead>
<tr>
<th>Family Med</th>
<th>MDE 8585 Elective in Sports Medicine</th>
<th>MCAH 5,6</th>
<th>Intro to Derm, Ortho, and Rheum</th>
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</table>

Contact: Giordano

lindag@usf.edu

(813) 974-1996

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

Description: This elective will provide students an opportunity to learn sports medicine from a primary care/family medicine and orthopaedic standpoint.

Objectives: This elective will provide students an opportunity to learn sports medicine from a primary care/family medicine and orthopaedic standpoint. Students will learn the basics of musculoskeletal injuries 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 will also be expected to present a project in the area of sports medicine.

Patient Encounters:

Evaluation: 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: No

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 lindag@usf.edu prior to enrolling.
Contact: Giordano
lindag@usf.edu
(813) 974-1996

Reported site

Description: This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, Sarasota, or 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:
Fund 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 check with the Department of Family Medicine before scheduling this elective through the Registrar's Office. A complete application form and written statement from the student may be required. Additional information and instructions will be provided. Contact information can be obtained through the Family Medicine Education Coordinator at 974-1996 or lindag@usf.edu.

FH 1 - 8 2 0 40-44 2,4 Clinical
This elective for senior students may be served at any of the affiliated Family Medicine Residencies at Bayfront Medical Center, St. Petersburg, Davis Island Hospital, Tampa, Plant Mease Health Care, Clearwater, and/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:
- 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. Contact information can be obtained through the Family Medicine Education Coordinator at 974-1996 or lindag@usf.edu.
<table>
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<tr>
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<th>MEL 8255 Family Medicine Residency Elect</th>
<th>Yr 4 Status</th>
<th>Faculty at Res Program</th>
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Description: This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, 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.
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: 
    - Fund 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:
- Please check with the Department of Family Medicine before scheduling this elective through the Registrar's office. Additional information and dates will be provided. Contact information can be obtained through the Family Medicine Education Coordinator at (813) 974-1996 or lindag@usf.edu.

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<td>2,4</td>
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Contact: Giordano
lindag@usf.edu
(813) 974-1996

Report to: Assigned site

Description: This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, 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
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 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: Before scheduling this elective, students must check with the Department of Family Medicine before scheduling this elective. Contact information can be obtained through the Family Medicine Education Coordinator at 974-1996 or lindag@usf.edu.
| Family Med | MEL 8255 Family Medicine Residency Elect | 1, 6 - 11 | Yr 4 Status | Faculty at Res Program |
Description: This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, 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
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. Additional information and forms will be provided. Contact information can be obtained through the Family Medicine Education Coordinator at (813) 974-1996 or lindag@usf.edu.
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<th>Faculty at Res Program</th>
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</table>

Contact: Giordano

lindag@usf.edu

(813) 974-1996

Report to:

Assigned site

Description:

This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, 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
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 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

Effective elements of interpersonal relationships, motivation, and ability

Syllabus:

Visiting Students:

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 or lindag@usf.edu.
<table>
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<tr>
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<td>Brohm, Veronica</td>
<td>Clinical</td>
</tr>
</tbody>
</table>
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 faculty. Concepts related to the principles of our relationship-centered approach to family medicine, will be taught. Come and see innovative education in action.

Objectives:
1. Introduce the student to the relationship of Family Medicine and 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:
The student will have primary responsibility for care of assigned patients while in the clinic and the hospital. Students will perform patient encounters at the clinician level of care. Students are expected to be supervised by a designated preceptor throughout the rotation. The student will be required to engage in research, quality improvement, and residency reflective activities. There is no call or nightfloat for this rotation unless requested by the student.

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

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

Special Instructions:
N/A
**Description:**
This elective is designed to introduce the student to unique characteristics of medical practice in underserved areas and to develop 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 needs of the under-served and other community health issues.

**Rotation Activities:**
Students will attend all PSMP clinics and post conferences at Judeo Christian Health Clinic, the Outreach Clinic and various community health sites. Students will be encouraged to develop projects worthy of publication or presentation at a scholarly meeting.

**Patient Encounters:**
- Evaluate and treat patients
- Perform physical exams
- Write and document medical history
- Develop clinical skills

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

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

---

**Contact:**
Linda Giordano
lindag@usf.edu
(813) 974-1996

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

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

Syllabus:

Visiting Students:
No

Special Instructions:
Final arrangements concerning course location/preceptor will be made by the Department of Family Medicine after the reports are provided prior to the start of the rotation.

Contact: Giordano
lindag@usf.edu
(813) 974-1996
Contact: Linda Giordano
lindag@usf.edu
(813) 974-1996

Report to: 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 ...

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 competence, consideration of patients, and practical approach to problems

Syllabus:

Visiting Students:

Special Instructions: In order to determine availability, students are required to select and receive permission from the location/preceptor will be made by the Department of Family Medicine after the student receives his/her elective choice.
Family Med

MEL 8272
Women's Health Elective

Contact:
Linda Giordano
lindag@usf.edu
(813) 974-1996

Report to:
Will be provided prior to the start of the elective.

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 setting.

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:
None

Special Instructions:
N/A
Contact: Giordano
lindag@usf.edu
(813) 974-1996

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

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 elective will provide an in-depth experience in family medicine, including but not limited to: family medicine in-patient acting internship, women's health, pediatrics, geriatrics, nursing home, research, Ob/Gyn, acute care, etc.
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.
Entrustable Professional Activities (EPAs) are units of professional practice, defined as tasks or responsibilities that are executable, observable, and measurable in their process and outcome, and, therefore, suitable for entrustment decisions.

In this elective, 4th year students who plan to join a Family Medicine residency program will be exposed to, and assessed in, activities that all entering residents should be expected to perform on day 1 of Family Medicine residency.

The goal is to provide a smooth transition for the graduating student into their expected performance as an intern in Family Medicine.

This elective will take advantage of faculty expertise in key clinical skills, inpatient/outpatient exposure to a varied patient population, and simulated and didactic activities to fulfill this goal.

References:

1. Core Entrustable Professional Activities for Entering Residency, A Curriculum Developers Guide
   https://icollaborative.aamc.org/resource/887/

2. Ten Cate O. Nuts and bolts of entrustable professional activities. J Grad Med Educ. 20
Objectives:

By the end of this 2 week clinical rotation, 4th year medical students will be entrustable to:

1. Demonstrate mastery in clinical reasoning skills and differential diagnoses
2. Apply high value care principles in managing common outpatient cases for managing
3. Collaborate with an interprofessional team
4. Safely & effectively admit/transition/discharge a family medicine patient with oral pres
5. Recognize a patient requiring urgent or emergent care and initiate evaluation and man
6. Demonstrate expertise in managing difficult conversations, including obtaining inform.
7. Perform general procedures of a family medicine intern physician

Rotation Activities:

Students in this rotation will be expected to participate in the following activities to meet goals:

1. Attend a series of preparatory workshops on:
   1. Teaching clinical reasoning
   2. Chronic disease management
   3. Managing difficult conversations
   4. Patient care orders & documentation management

2. Review and have teach-back sessions on the following topics:
   1. Chest xray interpretation
   2. ECG interpretation/ABG interpretation
   3. Electrolytes
   4. Antibiotics

3. Answer mock calls from nursing staff to identify and initiate management of medical e
4. Observe and participate in difficult conversations with patients
5. In a simulated environment, teach management of difficult conversations, including g

Patient Encounters:

Students on this rotation will be expected to work up and/or follow patients as directed in the
Students will be evaluated through the following method:

1. Self-evaluation of “entrust-ability” to be completed by student and requested for “sign-off” by the supervising attending throughout the rotation.

2. Tasks will be assigned at start of the rotation.

3. Clinical reasoning mastery will be evaluated by faculty.

4. Students will be evaluated by “nursing staff” that lead the mock calls on their communication skills, professionalism and ability to initiate appropriate management of medical cross-cover urgent and emergent issues.

5. Students will be evaluated by supervising attendings on their ability to transfer care and have appropriate documentation.

6. Students will be evaluated by supervising attendings and/or residents on their ability to manage difficult conversations.

7. Students will participate in simulation exercises to demonstrate competence in performing common procedures.

Syllabus:

Visiting Students:

Special Instructions:

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Description:
Allergic and immunologic problems affect up to 20% of adults and children in the United States, therefore, students must be familiar with these disease processes. Students will gain knowledge in both the primary and specialty care setting. Students will gain exposure to various settings, thus allowing them to care for both children and adults.

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 out-patient care at the VA Hospital, Tampa General Hospital, H. Lee Moffitt, and private practice. The student will participate in weekly 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, asthma, urticaria, eczema, food allergies, drug allergies, systemic lupus erythematosus, connective tissue 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:

Visiting Students:
No

Special Instructions:
N/A
Contact: Dr. Robert Zemble

Robert_M.Zemble@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 be knowledgeable about these conditions regardless of their specialty interests. Both children and adults are commonly seen in the clinics.

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

Rotation Activities:
Students will primarily be involved in out-patient care in private doctor’s offices.

Patient Encounters:
Students will examine patients with common medical diseases such as allergic rhinoconjunctivitis, chronic rhinitis, acute rhinosinusitis, urticaria, angioedema, drug allergy, and/or food allergy. Immuno-deficiency diseases will also be encountered.

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

Syllabus:

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

Special Instructions:
N/A
Description:
Allergic and immunologic problems affect up to 20% of adults and children in the United States. Therefore students should have the opportunity to gain a greater understanding of their specialty interests. 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 expand the student’s knowledge of clinical research and the application of this knowledge to clinical practice. The student will learn the accepted methods used in clinical research in this state-of-the-art program.

Rotation Activities:
The student will attend four weekly conferences on basic immunology and clinical allergy and immunology given by faculty from USF College of Medicine. The student will present a synopsis of his/her work in the last week of his training.

Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions:
Description:

This basic science course is designed to revive your familiarity with genetic conditions associated with sudden cardiac death. The course includes lectures on various conditions and their implications in the field of cardiac health. Students will have the opportunity to present a very short lecture on a condition of their choosing with a primary goal of teaching classmates about that condition.

Rotation Activities:

Didactics lectures only

Patient Encounters:

Evaluation:

The primary basis for evaluation is attendance. There are no exams, tests, or quizzes. There is an opportunity to present a short lecture at the end of the course.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A
The Harvey Elective is in part, the University of Miami Harvey Course Curriculum, and additional lectures and discussions in cardiovascular disease. The clinical sounds are reproduced for the learner on the Harvey Cardiovascular Simulator.

The students have on site practice on the Harvey manikin, clinical sites to practice on the skills they are learning, and the auscultation of the heart with various murmurs, rubs and gallops found in the various disease states. The curriculum assists the students in the identification and interpretation of the assigned heart conditions. 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.

Objectives:

At the end of this elective, the students will be able to:

1. Identify and perform comprehensive cardiac assessments, emphasizing the physical examination.
2. Demonstrate acumen in identifying various murmur sounds related to specific cardiovascular disease.
3. Discuss their findings relative to the basic science and anatomy of the heart.
4. Analyze the complexity of linking the ECG findings, the ECHO and the clinical presentation to the patient’s chief complaint through robust modules.

Evaluation:

Course objectives will be assessed by the documentation of individual’s practice on the manikin as well as by the three in-class aural quizzes, the three online quizzes, and a comprehensive written examination at its conclusion.

Syllabus:

Posted to Canvas

Visiting Students:

With permission from Course Director

Special Instructions:

N/A
Contact:

Patrick Brady
pbrady@usf.edu

Tashalei Chau, Administrator
chaut@usf.edu

Report to 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 gastroenterology. It will address the relationship of innate and acquired immunity to the disordered immune response in inflammatory bowel disease, viral hepatitis, and the immune system in viral hepatitis, and the pathophysiology of gastroesophageal reflux and Barrett's esophagus.

Objectives:

This course will address the relationship of innate and acquired immunity to the disordered immune response in inflammatory bowel disease, viral hepatitis, and the immune system in viral hepatitis, and the pathophysiology of gastroesophageal reflux and Barrett's esophagus.

Rotation Activities:

Participation in gastroenterology outpatient clinics, lectures illustrating application of basic science principles to gastroenterology, and seminars. Students will be given the option of participation in a research project if they desire to do so.

Patient Encounters:

Evaluation:

Students will be evaluated based on direct faculty observation and feedback from patients and families during patient encounters. The faculty will also assess the student's knowledge of the disease process and the ability to formulate differential diagnoses and propose solutions.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

### Syllabus

Visiting Students:

Blanco, Paola

Clinical
MEL 8306
Gastroenterology Elective

Contact: 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 direct patient care experience with inpatient consultation. Outpatient experience will be gained through various clinic experiences. Students will participate in conferences and rounds. Recommended reading will be provided to both common and uncommon GI problems with emphasis on recognition, treatment and natural history of these disorders.

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

- Recognition of clinical, radiographic, and endoscopic findings of common and uncommon gastrointestinal diseases
- Interpretation of gastrointestinal radiographs and other imaging techniques
- Identification of appropriate therapeutic approaches
- Management of patients with gastrointestinal emergencies
- Communication skills in the setting of gastrointestinal disease

Rotation Activities: A combination of direct patient contact and personal instruction. Observation of a variety of procedures including diagnostic and therapeutic upper GI panendoscopy, capsule endoscopy, diagnostic and therapeutic 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 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, students will participate in a 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: Yes. Apply via Lehigh Valley Network on VSAS.

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

**Contact:**

- Patrick Brady  
  pbrady@usf.edu  
- Tashalei Chau, Administrator  
  chaut@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 through participation in gastroenterology rotations at TGH. 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 understanding of gastrointestinal and liver disease. Special emphasis will be placed on the recognition and diagnosis of these disorders, the application of the basic therapeutic approaches, and the 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, 48 hours of bedside gastroenterology, and management of patients to learn interpretation of capsule endoscopy, 48 hour pH recordings, and high resolution esophageal manometry.

**Patient Encounters:**

Students will have the opportunity to evaluate gastrointestinal and liver disease conditions in a variety of patient settings.

**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
Contact: Patrick Brady  
pbrady@usf.edu  
Tashalei Chau, Administrator  
chaut@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: This course is designed to give students a broad exposure to gastrointestinal and liver disease through participation in gastroenterology consults and teaching rounds, participation in gastroenterology conferences, two hours of conferences weekly, weekly patients to learn interpretation of capsule endoscopy, 48 hour pH recordings, and high resolution esophageal manometry. The GI Basic Science/Research Conference is held at the VA hospital 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 recognition and diagnosis of gastrointestinal and liver disease, management of acute and chronic gastrointestinal disease, 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 consultations, two hours of conferences weekly.

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

Report to Dr. Prasad Kulkarni or Dr. Donald Amodeo at 8 AM on the first day of the rotation in the Endo.

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 competence in the knowledge base of gastrointestinal and liver disease.

Rotation Activities: Daily work and teaching rounds, participation in gastroenterology consults, two hours of conferences weekly, and participation in the GI Basic Science/Research Conference at the VA Hospital.

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
Contact: Barbara Pearce

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

Dr. Rachel Semmons
Rachel.semmons@gmail.com

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.
Rotation Activities:

1. Specific monthly meetings with Dr. Semmons
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:

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:

No

Special Instructions:

N/A

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<th>MEL 7320Q</th>
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**Contact:** Haley Palmer  
hpalmer@usf.edu

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

**Report to:** Dr. Joaquin Gomez-Daspet  
Joaquin.Gomez-daspet@va.gov

**Description:**
Upon the completion of this elective, the student should understand how to manage patients who have a variety of endocrinologic and metabolic diseases.

**Rotation Activities:**
Students will see in-house consultations at the VA, Tampa General, and H. Lee Moffitt hospitals; attend daily work supervised by attending physicians and consult with endocrinology faculty. Students will review and analyze endocrine, metabolic, and general medical patient encounters.

**Patient Encounters:**

**Evaluation:**

**Syllabus:**

**Visiting Students:**

**Special Instructions:**
Contact: Gretchen Perilli

Gretchen_A.Perilli@lvhn.org

(610) 402-6790

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 the outpatient clinic with a focus on the management of diabetes mellitus type 1 and 2.

Objectives:
1. Evaluate an endocrine patient with history and physical, formulate an appropriate laboratory and radiologic workup, and create a suitable treatment plan
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 and manage diabetic complications
4. Discuss, evaluate, and treat routine endocrine conditions including thyroid, parathyroid, adrenal, pituitary, and gonadal disorders

Rotation Activities:
This course will include a rotation with the endocrine consult service with responsibility and activities in care of patients.

Patient Encounters:

Evaluation:
 Students will be evaluated in the office/clinic by the faculty attending. In the hospital setting, students will be evaluated by the rounding attending.

Students will be given assignments. For example: Students will be given an interesting case by the attending to review. They will write up a differential diagnosis and treatment plan. They will also be asked to 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:

None
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<tr>
<th>Ethics /Palliative</th>
<th>MDE 8150 Intro to Palliative Med and Hospice</th>
<th>LVH CC</th>
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<td>click here for additional course information</td>
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Description: This elective is designed to introduce the basic philosophy of palliative care and how these principles are applied to patients in the hospital to include a comprehensive medical history, physical examination, and social assessment. It also covers the use of commonly used treatments to treat symptoms in dying patients, and an introduction to the regulatory requirements for hospice.

Objectives:
1. Initiate palliative care consults on patients in the hospital to include a comprehensive medical history, physical examination, and social assessment.
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, and appropriate titration, toxicities, and management of common side effects in opioid administration.
6. Initiate informed relationship-centered dialogues about care.
7. Demonstrate empathy.
8. Communicate effectively with patients and families across a broad range of socioeconomic and cultural backgrounds.
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 these benefits are delivered through an interdisciplinary team.

Rotation Activities:
During the entire month, students will attend palliative care journal club, and weekly hospice and palliative medicine grand rounds, 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. Knowledge will be assessed through a pre-post knowledge survey and exam, in addition to a.

Syllabus:

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

Special Instructions:
N/A
Contact: Dr. Rachel Williams
rachel.williams5@va.gov

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 on the first 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 relevant statutes, in order to 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:
The methods used for evaluation include, 360 evaluations (nursing/clinic/administrative staff, students, preceptor), morbidity and mortality meetings.

Syllabus:

Visiting Students:

Special Instructions:

T-VAH 1 - 11 None 1 0 40 2,4 William s, Rachel
The geriatric rotation will offer experience to observe and manage elderly patients with a wide variety of medical conditions. The rotation will focus on understanding the normal anatomical and physiologic changes associated with aging and the concepts of homeostasis and frailty. Students will learn to recognize atypical presentations of illness in the geriatric patient and evaluate and manage common geriatric conditions, including delirium, dementia, depression, gait disorder, falls, syncope, unintentional weight loss, pain syndromes, urinary incontinence, and constipation. The rotation will also cover assessing and preventing the hazards of hospitalization in the geriatric patient, recognizing the prevalence of complex and chronic disease in the elderly and its impact on functionality and quality of life. Students will learn to administer and interpret standardized instruments for assessing cognitive function, psychological affect, and physical function in the geriatric population. They will also gain knowledge about post-acute rehabilitation and long-term care settings, including the duties of the interdisciplinary team members and Medicare/Medicaid and other insurance payment options.

Patient Encounters:

Students will see patients in a variety of settings, including the hospital geriatric consultation service, the ambulatory primary care and outpatient clinic, and the nursing home. They will work with the interdisciplinary team to address care concerns, formulate care plans, and provide recommendations for improvement of the system.

Evaluation:

Students will be evaluated based on the ACGME competencies. They will receive a short pre-test and post-test of clinical knowledge, a continuity patient summary writeup, a post-test score, and a journal article presentation.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A
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<th>General</th>
<th>MDE 8148 Geriatrics and Health Disparities</th>
<th>BYRD</th>
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<th>40</th>
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<th>Guerra, Lucy</th>
<th>Clinical</th>
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</table>

Contact:

Asa Oxner, MD  
Internal Medicine  
aoxner@usf.edu

Anna Wenders  
Department of Family Medicine  
amaynard@usf.edu

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

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

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 and 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 its impact on healthcare delivery

Rotation Activities:

1. Direct clinical experience with geriatric patients at Byrd Neurosciences Center and assisted living facility house-call visits
2. Mandatory attendance at weekly geriatric didactic sessions in order to learn about geriatric medicine

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:

Students will also visit TGH Health Park.

| Int Med General | MDE 8340 ICU Procedures for Internists | TGH 1 - 11 Year 4 Status | 1 0 40 2 | Bugarin, Elizabeth | Clinical |
Contact:

Elizabeth Bugarin
ebugarin@gmail.com

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

Report to:

Elizabeth Bugarin
ebugarin@gmail.com

Description:
This elective integrates students into the nocturnal critical care team and provides students with the opportunity to participate in patient care, including bedside assessment, cardiac monitoring, and procedural interventions such as central line placement, 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, including mask ventilation, tracheal intubation, and laryngeal mask airway insertion
4. Be able to understand the basics of non-invasive and invasive mechanical ventilation and contraindications and be able to discuss and recommend which ventilatory modality is most appropriate during real patient encounters and justify their decision
5. Develop skills in performing critical care procedures with an emphasis on thoracentesis, paracentesis, lumbar puncture, and insertion of: central line, arterial line, swan-ganz, chest tube, dialysis catheters and performing endotracheal intubation

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 comprehensive work-up, knowledge of patient care, education, and communication.

Syllabus:

Visiting Students:

Special Instructions:

N/A
Description:
This elective will introduce medical students to the practice and theory of bedside ultrasonography. The student will round with the preceptors daily and will interact with patients actively.

Objectives:
1. Understand the principles and limitations of bedside ultrasonography
2. Be familiar with the use and interpretation of the technical capabilities of bedside ultrasound
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 and/or present a clinical pertinent bedside ultrasound article
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:**

1. AIUM practice guideline for the performance of the focused assessment with sonography for trauma (FAST) examination J Ultrasound Med. 2014 feb 27 (2);313-8
2. Relevance of lung ultrasound in the diagnosis of acute respiratory failure The BLUE Protocol Chest 2008 134; 117-125

**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 student’s education of internal medicine.

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. Become familiar with QI and PS Tools, such as root cause analysis, DMAIC, etc.

Rotation Activities:
1. Gain understanding of Hospitalist medicine concepts
2. Understand patient safety principles, such as human factors engineering, and cite specific examples
3. Manage patients in the capacity of an acting intern during business hours, writing order and notes
4. Participate in quality improvement projects as available
5. Attend learning conferences with the house staff
6. Present a morning report or noon conference on patient safety/quality improvement
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
### Elective in Rural Medicine

**Contact:**

- **Asa Oxner, MD**
  - Internal Medicine
  - aoxner@usf.edu
- **Anna Wenders**
  - Department of Family Medicine
  - amaynard@usf.edu
- **Barbara Pearce**
  - Academic Services Administrator
  - Internal Medicine 4th Year Electives Program
  - bpearce@usf.edu

**Report to:**

- **Asa Oxner, MD, Internal Medicine**
  - aoxner@usf.edu

**Description:**

This elective is designed to introduce students to the practice of medicine in a rural community. Under the supervision of attending physicians in Adult Med, Pri Care at DeSoto Memorial Hospital, students will be assigned to rural sites in the DeSoto Health Service Area. Students will have the opportunity to observe the delivery of health care to local community members, gain a perspective on the unique challenges of rural practice, and learn about the integrated medical care for patients at DeSoto Memorial Hospital. 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 urban settings.
2. Identify the unique opportunities and challenges to medical practice and life in a rural area.
3. Introduce sensitization 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.
6. Understand the principles of public health initiatives in rural areas.
7. Learn about the role of primary care in the rural health care delivery system.

**AHEC:**

- 1 - 11
- Adult Med, Pri Care
- 1
- 0
- 44
- 2,4
- Oxner, Asa
- Clinical
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:

Evaluation:

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

Syllabus:

Visiting Students:

Special instructions:

Special instructions must be scheduled through Anne Wenders from the AHEC office. Final arrangements for the elective must be made through the Ms. Wenders (amaynard@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.

| Int Med | General | MDI 8200 Acting Medicine Internship | LVH-CC | 1 - 11 | Yr 4 Status | 6 | 0 | 40-64 | 4 | Gaines, Darryl | Clinical |
Contact: Darryl Gaines
Darryl_D.Gaines@lvhn.org
(484) 661-4650

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

Description: Students will function as acting interns on the general ward teams at Lehigh Valley Cedar Crest Hospital. Students will actively participate in the management of medical patients, including those requiring consultation or transfer to the Internal Medicine Consult service. They will be expected to perform routine duties such as history and physical examination, diagnostic testing, and medication management under supervision. 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
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. Students are expected to give the presentation in a clear and logical manner, including a detailed history and physical exam, differential diagnosis, and plan for treatment. Students should be prepared to discuss their thought process and differential.

Patient Encounters:

Evaluation: Evaluation is based solely on clinical evaluations from your preceptors.

Syllabus:

Visiting Students:

Special Instructions:

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MDI 8200
Acting Medicine Internship

Holmstrom, Bjorn
Aaron Dulaney
Management Assistant: Internal Hospital Medicine
Moffitt Cancer Center
Aaron.Dulaney@moffitt.org
(813) 745-3134

Moffitt Cancer Center Attendings/Residents schedule changes every month. The students receive their assignment with the Attendings/Residents contact information, so that they may set up a time and place for their initial meeting.

Description:
The rotation allows the medical student to learn how to diagnose and treat common medical conditions. This rotation is geared towards the student's development of clinical skills necessary to provide care in an inpatient setting.

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 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 at Moffitt Cancer Center. They will have comprehensive patient encounters and participate in patient rounds, teaching 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 to facilitate discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

Visiting Students:

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

Report: 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 patient care responsibilities.

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
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.

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 tool facilitates discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

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

Special Instructions:
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Report VAH Attendings/Residents schedule change every month. The students receive their schedule a week before the start of the month 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 patient care responsibilities so that he/she may confidently assume such care in the first postgraduate year regardless of the career choice.

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
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 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 facilitates 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: N/A
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Contact: Olga Klinkova
Olga.Klinkova@moffitt.org
(813) 745-8565

Report to 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 hospital sites, Moffitt Cancer Center.

The student will function as acting or "early" intern on an internal medicine consult service.

The only mandatory conferences that students are required to attend are AM report, noon conference, Grand Rounds, and board review.

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. Morning report, noon conferences, Grand Rounds, and board review will also be a required portion of this rotation.

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:
No

Special Instructions:
N/A

| Int Med | General | MEL 8335 General Int Med Consult Srv | TGH 1 - 11 | Adult Med, Pri Care | 1 | 0 | 44 | 2 | O’Brien, Kevin | Clinical |
Contact:
Barbara Pearce
Academic Services Administrator
Internal Medicine 4th Year Electives Program
bpearce@usf.edu

Report to: Contact the resident and attending assigned to the consult service one week prior to the start.

Description: This course is a 2-week experience for the 4th year medical student at one of our major inpatient teaching hospitals. The student will function as acting or “early” intern on an internal medicine consult service. 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. Morning report, noon conferences, Grand Rounds, and board review will also be a required portion of this rotation.

Patient Encounters:
Evaluation:
The student’s final grade is determined solely by his/her clinical faculty evaluation which is compiled 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:
Int Med | General | MEL 8953 Integrative Clinical Skills | TGH | 11 | Yr 4 Status | 12 | 0 | 40 | 4 | Mai, Cuc | Clinical

Click here for additional course information

Contact: Dr. Cuc Mai
cmai@usf.edu

Report to: cmai@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 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, presentation, and problem solving.

Patient Encounters:

Evaluation:
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:
No

Special Instructions:
N/A
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</table>

Click [here](#) for additional course information.
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.

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 responsibilities.

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. It 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
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[Click here for additional course information]
**Contact:** Barbara Pearce  
**Academic Services Administrator**  
**Internal Medicine 4**  
**th Year Electives Program**  
**bpearce@usf.edu**

**Report to:** The TGH Attendings/Residents schedule changes every month. The students receive their schedule a week before the start of the month. These schedule changes will be communicated by 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 patient care responsibilities. The mandatory conferences that students are required to attend are AM report, noon conference, 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. 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 transition of 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 responsibilities. The mandatory conferences that students are required to attend are AM report, noon conference, 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 comprehensive and objective.

**Syllabus:**

**Visiting Students:**

**Special Instructions:** Available only to students in the Internal Medicine track
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Click here for additional course information.
Contact:

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

Report VAH Attendings/Residents schedule changes every month. The students receive their schedule a week before the start of their rotation. The students should immediately 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 and authority as is expected of an intern. The mandatory conferences that students are required to attend are AM report, noon conference, 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. 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 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 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 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.
Description:
Entrustable Professional Activities (EPAs) are units of professional practice, defined as tasks or responsibilities that are:
- Executable
- Observable
- Measurable in their process and outcome, and, therefore, suitable for entrustment decisions.

In this elective, 4th year students who plan to join an Internal Medicine residency program will be exposed to, and assessed in, activities that will help them develop these EPA skills and in so doing, provide a smooth transition for the graduating student into their expected performance as an intern in Internal Medicine.

This elective will take advantage of faculty expertise in key clinical skills, inpatient exposure to a varied patient population, and simulated and didactic activities to fulfill this goal.

References:
1. Core Entrustable Professional Activities for Entering Residency, A Curriculum Developers Guide
https://icollaborative.aamc.org/resource/887/


Objectives:
By the end of this 2 week clinical rotation, 4th year medical students will be entrustable to:

1. Demonstrate mastery in clinical reasoning skills

2. Apply high value care principles in managing common infectious diseases, with a view

3. Collaborate with an interprofessional team to safely and effectively discharge an intern

4. Recognize a patient requiring urgent or emergent care and initiate evaluation and management

5. Demonstrate expertise in managing difficult conversations, including obtaining informed consent

Perform general procedures of an internal medicine intern physician
Students in this rotation will be expected to participate in the following activities to meet goals:

1. Attend a series of preparatory workshops on:
   1. Teaching clinical reasoning
   2. Identifying and remediating clinical reasoning deficits
   3. Providing effective feedback
   4. Developing individual learning plans
   5. Managing difficult conversations
   6. Evaluating discharge summaries

2. Complete a preparatory, asynchronous multimodality curriculum for the following topics:
   1. Chest xray interpretation
   2. ECG interpretation
   3. ABG interpretation
   4. Electrolytes
   5. Antibiotics
   6. Effective communication skills in managing difficult conversations

3. Work with a junior learner to identify clinical reasoning deficit(s), provide effective feedback
4. Apply bacteriology to patient care by ordering appropriate antibiotics based on patient presentation
5. Answer mock calls from nursing staff to identify and initiate management of medical emergencies
6. Observe and participate in difficult conversations with patients
7. In a simulated environment, teach management of difficult conversations, including getting informed consent, disclosure of medical errors, discussing resuscitation status
8. Participate in a one week night medicine experience on the wards

Students in this rotation will be expected to work up and/or follow patients as directed in the 4th year Acting Internship in Internal Medicine.
Students will be evaluated through the following methods:

1. Clinical reasoning mastery will be evaluated by faculty during a cognitive biopsy case presentation.
2. Students will submit reflective narratives on high value care in caring for a patient with infectious disease, and feedback will be provided by elective faculty leads.
3. Students will be evaluated by “nursing staff” that lead the mock calls on their communication skills, professionalism and ability to initiate appropriate management of medical cross-cover urgent and emergent issues.
4. Students will be evaluated by supervising attendings on their ability to facilitate a safe and timely discharge.
5. Students will also receive feedback from interprofessional team members on facilitation skills and professionalism in preparing a discharge summary.
6. Students will be evaluated by supervising attendings and/or residents on their ability to manage difficult conversations.
7. Students will also participate in simulation exercises to demonstrate competence in managing difficult conversations.

Students will participate in simulation exercises to demonstrate competence in performing common procedures – lumbar puncture, thoracentesis, paracentesis, central line placement and point-of-care ultrasound.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

Click here for additional course information.
Contact: William Scialla
William_S.Scialla@lvhn.org
(484) 884-5733
Rose Laudenslager
Administrative Assistant
(610) 402-0512
medicalstudents.lvhn.org
(610) 402-2554

Report to: 1240 S. Cedar Crest Boulevard Suite 411
Allentown, PA 18103
Visit the LVHN.org website and fill out the tab: research and education.

Medical student will be provided the schedule with planned elective

Description: This course will expose the medical student to a wide range of hematologic and oncologic disease processes. In the course of patient care, medical students will be exposed to a broad variety of Hematologic and Oncologic cases. They will spend time in the office setting with attending physicians, in the inpatient setting, and on the consult service. They will follow patients and round with team members including attendings, APC, fellows and residents.

Rotation Activities: The students also spend time in the office setting with an attending. They accompany the attending on patient visits and spend time discussing the case.

Attend tumor board, journal club, fellow lectures. Opportunity to spend time with hematopathology and blood bank.

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 and treatment recommendations
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 to hospice
8. Appreciation for the importance of clinical trials and the process of screening patients
9. Appreciation for multidisciplinary care of oncology patients
Patient Encounters:

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

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.
3. Students will be given assignments. For example: Students will be given an interesting case...

Syllabus:

Visiting Students:
Lehigh Valley Network
on VSAS.

Special Instructions:

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<th>Friel, Brian</th>
<th>Clinical</th>
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Contact:
Melissa Keyser
Melissa.Keyser@lvhn.org

Report to:
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... laboratory medicine, infection control, travel medicine, HIV, wound management, and antibiotic stewardship.

Objectives:
1. Apply the principles of comprehensive history taking and physical examination to generate a differential diagnosis and to select advanced testing modalities
2. Improve their assessment and management of disease processes using evidence-based literature and interdisciplinary communication
3. Apply principles of empiricism and stewardship to antibiotic selection and management
4. Improve familiarity with antimicrobial therapies, including antibiotic classes, adverse drug reactions, and mechanisms of resistance
5. Understand various states of immunosuppression (hereditary, drug-induced, acquired, organ transplant-related) and infections related to these
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:
Evaluation:
Students will be evaluated by the faculty attending.
Students will be given assignments. For example: Students will be given an interesting case by the attending to review. They will be asked to answer questions based on the 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 Greene, MD

John.Greene@moffit.org

(813) 426-5668

Report to Greene, MD

John.Greene@moffit.org

(813) 426-5668

Description: Facilities include patient populations with bacteremias, urinary tract infections, pneumonias and HIV related issues. The Moffitt 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 whether therapy is affecting the course of disease in a given patient.
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. Faculty 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 |

Contact: Tammy Grice  
tsgrice@usf.edu

Report to: Tammy Grice  
TGH Room G323

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. They will 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 diseases
2. Obtain an appreciation for the natural history of infectious disease so as to better understand whether 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 by advanced subspecialty faculty. 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 and attendees. Assessment of this 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
**Description:**

- 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 whether 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 by advanced subspecialty faculty. 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. Performance data will be incorporated in teaching rounds to provide guidance for the student to strengthen skills in those areas.

**Syllabus:**

Visiting Students:

- **Visiting Students:** No

Special Instructions:

- **Special Instructions:** N/A
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 is made. Students will train with other members of the team including an Infectious Disease fellow and an Infectious Disease attending.

Objectives: The goal of this rotation is to introduce the senior students to transplant medicine and its major complications, patients can develop late-presenting complications, and train with other members of the team including an Infectious Disease fellow and an Infectious Disease attending.

Rotation Activities: Students will be part of a team which includes an Infectious Disease fellow and Infectious Disease attending who will serve as the primary contact for the students. Students are encouraged to participate in the weekly ID fellow lecture series as well as the ID case presentations.

Patient Encounters: The evaluation process will be ongoing on a daily basis through constructive criticism to help students' perfect history taking, physical exam, and clinical reasoning skills. Students will be given the opportunity to give suggestions to help incorporate students' needs into future rotations through this service.

Syllabus: Visiting Students: No Special Instructions: N/A
Contact: Tammy Grice
TGH
tsgrice@usf.edu
(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 critically ill patients. 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

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: N/A
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<th>Int Med</th>
<th>Nephrology</th>
<th>MEL 8313 Clinical Nephrology</th>
<th>TGH</th>
<th>1 - 11</th>
<th>Adult Med, Pri Care</th>
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<th>2.4</th>
<th>Durr, Jacques</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Christina Haynes, Administrator
chaynes1@usf.edu
Dr. Jacques Durr
jacques.durr@gmail.com
jdurr@usf.edu

Report to: Dr. Jacques Durr
jacques.durr@gmail.com
jdurr@usf.edu

Description:

Objectives:
The objective of this elective is to expose medical students to the broad general principles of Clinical Nephrology. Students will also participate in the care of patients with a variety of renal and hypertensive problems.

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

Patient Encounters:

Evaluation:

Syllabus:

Visiting Students:

Special Instructions:
N/A
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</table>

Contact: Christina Haynes, Administrator

chaynes1@usf.edu

Dr. James Burrola

James.Burrola@va.gov

Report to: James Burrola

James.Burrola@va.gov

Description:

Objectives: The objective of this elective is to expose medical students to the broad general principles of Clinical Nephrology. In this setting, students will work closely with attending nephrologists, house staff, and clinical fellows, participate in the care of patients with a variety of renal and hypertensive problems.

Rotation Activities: Adequate exposure to renal patients is achieved through inpatient consultations in the affiliated institutions and rotation on the 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
**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. The objective of this elective is to expose medical students to the broad general principles of Clinical Nephrology. Inpatient consultations in the affiliated institution and outpatient consultations and follow-up in the renal clinics and dialysis centers. The performance of the history and physical examination, formulation of plans for diagnosis and management, and the patient encounters will be the responsibility of the student who will function under supervision of the Nephrology attendings and fellows.

**Rotation Activities:**

**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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| Int Med Nephrology | MEL 8313 Clinical Nephrology | LVH-CC | 1-11 | Yr 4 Status | 2 | 0 | 40-44 | 4 | Maynard, Sharon | Clinical Palliative MDE 8150 Intro to Palliative Med and Hospice | TGH | 1-6, 9-11 | None | 1 | 0 | 44 | 4 | Tuch, Howard |
Description:
The elective is designed to introduce the basic principles and practice of palliative care. A 2-week palliative care consult on patients in the hospital to include a comprehensive medical history, physical, and laboratory examinations.

Objectives:
1. Initiate palliative care consults on patients in the hospital to include a comprehensive medical history, physical, and laboratory examinations.

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

3. Explain the relevant basic science, pathophysiology, associated symptoms and signs, and the pharmacokinetics and pharmacological effects of medication commonly used to treat symptoms in dying patients.

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 options.

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. 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.

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

Syllabus:

Visiting Students:

Special Instructions:
N/A
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<th>USFMS 11A</th>
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</table>

Contact: Kendall Morris, MD  
kmorris5@usf.edu

Description: The 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. 

Objectives: The goal of the course is to provide a review of pulmonary physiology as applied to clinical scenarios. Topics will include but are not limited to Adult Respiratory Distress Syndrome (ARDS), asthma, hyperbaric medicine and airway inflammation.

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

Patient Encounters:

Evaluation: Students will be evaluated on oral presentations, application of the principles of pulmonary physiology to clinical scenarios, and case scenario responses.

Syllabus:

Visiting Students: No

Special Instructions: N/A

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Click here for additional course information.
Description: This 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 of patients in #1 & #2 above
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 have a plan developed as to the diagnostic and therapeutic approach to each of these disorders. 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 evaluative feedback from 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 their experience. Furthermore, they will have a plan developed as to the diagnostic and therapeutic approach to each of these disorders.

Syllabus:

Visiting Students:

Special Instructions:
| Int Med | Pulm / Sleep Med | MEL 738 Intro to Sleep Medicine | TGH | 1 - 11 | Adult Med, Pri Care | 2 | 0 | 44 | 2.4 | Anders on, William | Clinical |
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 of patients in objectives 1 & 2
4. Describe the various presentations of a patient that may be referred for 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)

Rotation Activities:
The trainee will see patients at the USF, VA and TGH Sleep clinics as well as in-patient consults. Trainees 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 Sleep clinics. 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 the final examination.

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 time and trainees during the weekly rheumatology conference on a topic relevant to a patient seen in the clinical setting.

Syllabus:

Visiting Students:

Special Instructions:
Contact: David Solomon
david29@usf.edu

Report to: David Solomon
david29@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 (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:
The student will be evaluated on a daily and ongoing basis by the consult attending.

Syllabus:

Visiting Students:

Special Instructions: N/A
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:

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

Evaluation:

Syllabus:

Visiting Students:

Special Instructions:
Description: Rheumatology is a specialty in internal medicine devoted to the diagnosis and management of a broad spectrum of disorders involving the musculoskeletal system.

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:
Evaluation: During this elective, the student will actively participate on the rheumatology service in the outpatient setting. Evaluation of patient encounters will include comprehensive musculoskeletal assessment, interpretation of laboratory and imaging studies, and management of common rheumatologic conditions.

Syllabus:

Visiting Students:

Special Instructions:
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<th>Ross, James</th>
<th>Clinical</th>
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Description: The rheumatology rotation will offer experience to observe and manage patients with a wide variety of rheumatic diseases.

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 rheumatologic diseases.
- Recognize the clinical, laboratory, and radiographic features of the more common rheumatologic 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 services, and inpatient consults.

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:

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

Special Instructions: N/A

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BCC 8116
Intro to Derm, Ortho, and Rheum
Click here for additional course information
Description:
This elective is a multi-disciplinary four-week course designed to enhance the student’s competence in the recognition, evaluation, and management of patients with rheumatologic, dermatologic, orthopedic, and musculoskeletal diseases. Students are given instruction followed by 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 musculoskeletal medicine. Students will be able to perform basic diagnostic procedures and interpret results.
2. Recognize the clinical, laboratory, and radiographic features of the more common systemic rheumatic disease, dermatologic, orthopedic, and musculoskeletal diseases.
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
- 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:
  - Based on presentation score and faculty evaluations

Syllabus:
- Visiting Students:
  - No

Special Instructions:
- N/A
Contact: Jamie Cooper, PhD  
jc2@usf.edu  
(813) 974-2718

Report to: Clinical sites include: Morsani, USF South, Tampa General Hospital, Health Park, 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 management of musculoskeletal, dermatologic, and orthopedic/sports medicine problems. Students are given instruction 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, and orthopedic/sports medicine
2. Recognize the clinical, laboratory, and radiographic features of the more common systemic rheumatic disease, 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: TBD

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


Visiting Students: No

Special Instructions: N/A
Interdepartmental Critical Care Medicine

Click here for additional course information

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

Report 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 guidance of experienced attending physicians, students will perform a clinical history and physical exam on a non-verbal, critically ill patient based on limited available information. Students will compare and contrast the health needs of critically ill patients to those encountered in the general medical ward and outpatient settings. They will 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. Students will 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). They will analyze and become sensitized to end-of-life discussions with patients and/or family members. After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific skills in assessing critically ill patients and outline an initial course of management for patients with serious conditions requiring critical care.

Rotation Activities:
This course will include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesia Consult, or Emergency Medicine in order to give the students a broad exposure to critical care patients. The students will evaluate electrocardiograph (ECG) tracings through weekly quizzes to enhance interpretation skills. Patient Encounters:

Evaluation:
Students will be evaluated by written, oral, and/or practical methods which include direct patient contact and simulation exercises.

Syllabus:

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

Special Instructions:
N/A
Critical Care Medicine

Click here for additional course information

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 medical and nursing personnel, students will learn to obtain a clinical history and physical exam on a non-verbal, critically ill patient based on limited available information. Students will compare and contrast the health needs of the critically ill patient to those encountered in the general medical ward and outpatient settings. They will 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. Students will 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). They will analyze and become sensitized to end of life discussions with patients and/or family members. After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific knowledge and skills in the management and monitoring of critical care patients. Students will analyze and become sensitized to end of life discussions with patients and/or family members. Students will evaluate electro-cardiograph (ECG) tracings through weekly quizzes to enhance interpretation skills.

Objectives:
1. Obtain a clinical history and physical exam on a non-verbal, critically ill patient based on limited available information, and to apply science principles basic to the practice of medicine in the clinical management of complex illness.
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.

Rotation Activities:
This course will include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesia Service, or in collaboration with the student's primary residency program. Students will evaluate electro-cardiograph (ECG) tracings through weekly quizzes to enhance interpretation skills.

Patient Encounters:
Evaluation:
Students will be evaluated by written, oral, and/or practical methods which include direct patient contact and simulation exercises.

Syllabus:
Visiting Students:
No

Special Instructions:
N/A
Contact: Jamie Cooper, PhD
jc2@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 an elective for USF senior medical students and will include a rotation either in a Medical ICU, the OR, or the surgical ICU. Students will evaluate ECG tracings through weekly quizzes to enhance interpretation skills.

Objectives: The goals of this fourth year elective are to develop an approach to the care of patients with complex, critical illness. Students will learn to anticipate problems, initiate appropriate 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 blue, and 4-5 days in the hospital covering vent, ABGs, and weaning from mechanical ventilator. Didactics include basics of mechanical ventilator, weaning from mechanical ventilation, and sedation/analgesia.

Patient Encounters: Evaluation: Hospital rotations with patient encounters, simulation activities, didactics, and EKG interpretation.

Syllabus: Visiting Students: No

Special Instructions: Absences, including for Step and interviews, will not be excused on days 1 or 2.
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Description:
This longitudinal elective would reinforce and teach the knowledge, skills and attitudes that a

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,
7. Integrate meaningful community service with instruction and reflection to enrich the learning experience,

Rotation Activities:

Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions:
Only students elected to be the student medical directors for BRIDGE will be eligible for this elective. Students must notify and obtain permission from Drs. Lucy Guerra (guerral@usf.edu) or Eduardo Gonzalez (egonzale@usf.edu) prior to scheduling.
| MDE 8030B BRIDGE Mentor Longitudinal | González, Eduardo |
**Description:** This elective is designed to strengthen the clinical and mentorship skills of senior medical students by involving them in a free clinic setting. 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 lower-classmen appropriate physical exam and diagnosis skills.
2. **Clinical Teaching Sessions:** The clinical mentors will be expected to formulate and prepare small groups sessions, which 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 annual research project. These projects will 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. Their performance will also be evaluated based on feedback from clinical preceptors.

**Syllabus:**

BRIDGE Clinical Mentor Longitudinal Elective Syllabus RVSD222016.pdf

**Visiting Students:**

Visiting students interested in taking the longitudinal BRIDGE Clinic elective will need to apply prior to registering. A student interested in this elective will need to apply for the elective, so we ask that you complete the application as soon as possible. For applications contact Dr. Gonzalez.
Contact:

Matthew M. Miller, DO, MBA, MS
Matthew_Miller@lvhn.org
Chief Health Information Officer, Office of CMO

Judy Wuchter
Judy.Wuchter@lvhn.org
(610) 402-9460
Administrative Support to the Office of the CMIO

Report to:

Matthew M. Miller, DO, MBA, MS
1251 S Cedar Crest Blvd, Ste 204
Allentown, PA

Description:

This elective will be an introduction to Medical Informatics. The elective will include a combination of didactic and experiential learning activities, which are designed to provide a comprehensive understanding of the role of informatics in healthcare. The student will gain hands-on experience in the design, implementation, and support of clinical information systems.

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 clinical research projects and clinical rotations) and the student's ability to perform tasks that require critical thinking skills. The specific deliverables will be determined at the beginning of the rotation; and assessment of those deliverables will be used in the evaluation.

Visiting Students:

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 as a new educational tool. Students will be expected to design and develop cases to meet course objectives and implement training plans for the educational 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
10. Discuss utilizing moulage to add realism to simulation

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 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:

No

Special Instructions:

Any interested student MUST meet with Amy Smith, PhD to discuss individual goals for applying for a simulation in healthcare.
Contact: Dr. Lucy Guerra  
iguerra1@health.usf.edu  

Dr. Asa Oxner  
aoxner@health.usf.edu  

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

Report to:

Description:  
This elective allows third and fourth year medical students to gain experience in delivering m

Objectives:  
1. Work as medical staff at TBSM service events, including street runs, clinics, and the mobil
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 Fri.
2. Weekly Service Events: TBSM holds a free clinic at the First Presbyterian Church (412 E Za
3. Research Project: Students will contribute to an ongoing research project that is directly re

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 schedul

A PASS grade will be given to students who attend and participate at all scheduled clinical d

Syllabus:

Visiting Students:

Special Instructions:
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 have the opportunity to see the continuum of care that physiatrists provide.

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. Participate in team meetings and understand interdisciplinary approach to patient management.
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 Rehab.

Rotation Activities: Students will participate in Patient Care within the Inpatient Rehab Centers at Cedar Crest and Muhlenberg campuses.

Patient Encounters:

Evaluation: 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 tr...

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:

Special Instructions:

| Interdept | MDE 8920 | LVHN 1A, 10B | Yr 4 Status | No Limit | 0 | 40 | 2 | Greenberg, Marna | SELECT |
Description: A Formal teaching blocks will occur throughout the year and will consist of two formal teaching blocks called Prologue at the beginning of the program and will include IHI web-based modules and these three domain-associated activities with their concomitant written reflections.

Objectives:

1. Apply knowledge and skills fundamental to health systems process change and engineering

2. Provide examples of the connections between healthcare policy, the legislative process, and healthcare regulation

3. Self-assess gaps and areas of improvement. Use this knowledge to set goals

4. Demonstrate the elements and skills of advanced social awareness and relationship building

5. Demonstrate knowledge of the public health infrastructure and the ability to access resources

6. Analyze guideline recommendations for communication with patient and family members

7. Develop communication skills, integrating principles from emotional intelligence, patient-centered care, and crucial conversations

8. Demonstrate knowledge and skills needed to care for patients who are members of vulnerable populations such as: LGBTQ, elderly, members of communities with housing insecurity, veterans, victims of or at risk for domestic violence. Apply ethical concepts to patient care

9. Apply feedback from coaching sessions toward self-improvement goals

10. Provide examples which demonstrate an understanding of the factors related to the integration of scientific knowledge and technology into patient care

11. Discuss the role of organized medicine and healthcare

Rotation Activities:

Refer to Syllabus

Patient Encounters:

N/A

Evaluation:

Students will be evaluated by the course director throughout the course including participation, simulations, reflections, and a comprehensive assessment including multiple-choice questions, simulation, and an oral assessment.

Syllabus:

Visiting Students:

No Special Instructions:

N/A
Interdepartmental Enrichment Elective

Contact: Dr. Vinita Kiluk
vkiluk@usf.edu
Dawn Schocken
schocken@usf.edu

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

Description: Faculty will work with each student to design a personalized 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 patients with whom the student is involved
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 at CAMLS, seeing standardized patients, observing videos, participating in simulated experiences, and developing experience in electronic charting. Occasionally students will practice in the clinical outpatient setting.

Patient Encounters: Students will have the opportunity to practice in the clinical outpatient setting.

Evaluation: Students will be evaluated using checklists to provide a 360 review of their performance - the student will complete a form on what they have accomplished during the elective and what they plan to continue to work on as lifelong learners.

Syllabus:

Visiting Students:

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.
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:
LEARNING OBJECTIVES

1. Develop and integrate in-depth knowledge of one or more SELECT domains into medical care
2. Develop self-directed learning, project management, evaluative and critical reasoning skills
3. Through the outcomes of your project, create a scholarly legacy for our academic, medical and/or general communities
4. Demonstrate your growth as a visionary, change agent, or ability to effectively influence others within different levels of system, promoting a culture of relationship-building and/or integrating emotional intelligence
5. Demonstrate the ability to identify subject experts who can add value to your project
6. Demonstrate the application of project management skills, implementation, and resources needed to be successful
7. Demonstrate professionalism via communication, managing yourself and your team, and last, but not least, meeting timelines and deadlines
8. Demonstrate appropriate presentation skills for your scholarly project
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:

Special Instructions:
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 be used in situations outside of the hospital setting.

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
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 Submersion Incidents
"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 while catching Pufferfish

Patient Encounters:

Evaluation:
Students will be evaluated by the course director at the end of the course based on attendance. Presentations will be evaluated by course directors and contribute to the presentation portion of the final grade.

Syllabus:

Visiting Students:

Special Instructions:
This is a year long elective from April through May. Activities are usually held on Saturdays.

Contact:
Dr. Ryan Naughtin
rmaughti@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 be used in situations outside of the hospital setting.

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
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"A 3-Hour Tour" held on an island in the Tampa Bay and learn about Seafood Toxidromes while catching Pufferfish

Patient Encounters:

Evaluation:
Students will be evaluated by the course director at the end of the course based on attendance. Presentations will be evaluated by course directors and contribute to the presentation portion of the final grade.

Syllabus:

Visiting Students:

Special Instructions:
This is a year long elective from April through May. Activities are usually held on Saturdays.
**Course:** Medical Spanish 1

**Description:** This online (Canopy learn) course is designed to help students reduce their communication and cultural gaps with Medical Spanish speaking patients. It aims to enhance the students’ knowledge and communication strategies to work effectively with Spanish speaking patients in the clinical setting.

**Objectives:**
1. Increase cultural awareness and sensitivity to improve and facilitate more successful bi-cultural interactions with Spanish speaking patients with medical limited English proficiency (LLEP).
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 LLEP.
4. Take a basic medical history and provide the appropriate basic instructions for performing a physical examination on Spanish speaking patients with LLEP.

**Rotation Activities:**
- Online and face-to-face pre-assessment test,
- Online and interactive learning modules

**Patient Encounters:**
- N/A

**Evaluation:**
- Canopy Course Final Assessment of Levels I and II - 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 may need to complete an online course in addition to a face to face final assessment (in-person or Skype), that may include OSCEs or other educational strategies.

**Contact:**
- C. Callegari V. MD MEd DMSc FAAP
  - Professor, Department of Pathology and Cell Biology
  - ccallega@usf.edu
  - (813) 974-3177
Description: This online (Canopy learn) course is designed to help students reduce their communication and cultural gaps with Medical Spanish speaking patients with Limited English Proficiency (LELP). The course aims to enhance students' knowledge and communication strategies to work effectively with Spanish speaking patients in the clinical setting.

Objectives:
1. Increase cultural awareness and sensitivity to improve and facilitate more successful bi-cultural interactions with Spanish speaking patients with LELP.
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 LELP.
4. Take a basic medical history and provide the appropriate basic instructions for performing a physical examination on Spanish speaking patients with LELP.

Rotation Activities:
- Online and face-to-face pre-assessment test, Online and interactive learning modules.

Patient Encounters:
- N/A

Evaluation:
- Canopy Course Final Assessment of Level III - 60%
- Faculty Supervisor Evaluation (on overall improvement, commitment, and verbal skills) - 40%

Special Instructions: Prior approval and online course log-in required. Students must be accepted into the course, should complete an online course log-in, and be prepared for a face-to-face final assessment (in-person or Skype), that may include OSCEs or other educational strategies.

Contact:
Carlos C. Callegari V. MD MeD DMSc FAAP
Professor, Department of Pathology and Cell Biology
ccallega@usf.edu
(813) 974-3177
Interdepartmental Electives for USF Medical Students

MDE 8044  Int’l Medical Spanish /Culture

Click here for additional course information

Contact:
Carlos C. Callegari V. MD MEd DMSc  FAAP
Professor, Department of Pathology and Cell Biology
ccallega@usf.edu
(813) 974-3177
Eduardo Gonzalez, MD, FAAFP
Associate Professor, Department of Family Medicine
egonzale@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 rotation. The rotation will be overseen by local medical professionals with expertise in Int’l Medical Spanish /Culture. The course content includes Spanish language instruction, cultural awareness, and clinical experience in a foreign setting. Students will be required to submit a written report comparing local medical practices and health systems to those in the USA.

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 encounter (chief compliant)
   b. Conducting basic medical interviews and being able to characterize the signs and symptoms of the patient
   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 and compare them with the USA facilities and health system.
3. Students will compare medical problems and health needs from the local population with the Hispanic and non-Hispanic USA population.
4. Students will understand and be sensitive to local, family, and cultural values and be able to compare them to the USA Hispanic and non-Hispanic population.
Rotation Activities:

On this International Course, Students will be expected to learn and achieve the educational goals and objectives at an approved international institution, through the following methodologies and activities:

1. Students will assist formal Medical Spanish classes at the approved international institution.
2. Under the supervision of a Spanish speaking Clinical Faculty, students will evaluate and take a detailed history of new Spanish speaking patients.
3. During the elective students will accompany and observe Spanish Speaking medical and nursing professionals testing on their patients focusing in learning the communication and cultural skills.
4. Students will immerse in social and cultural activities organized by the approved international institution.

Patient Encounters:

Evaluation:

1. Performance: obtaining a clinical medical history in Spanish, which may be conducted in a different setting.
3. Informal presentation to the course directors on their experience as it relates to the cultural and medical Spanish aspects of the course.

Syllabus:

Visiting Students:

Visiting 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.

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Contact:
Dr. Vinita Kiluk
vkiluk@usf.edu
Dawn Schocken
schocken@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. The course will focus on understanding the essentials of teaching in interprofessional educational sessions, at the bedside as well as in large and small groups.

Objectives: By 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
7. Deliver an effective basic science lecture, which integrates active learning principles into the session

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 students. We will walk through the process of creating the module from creating objectives to creating an effective assessment tool.

Patient Encounters:

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:

Visiting Students:

Special Instructions: Please submit a brief email to one of the faculty prior to signing up for this elective indicating your personal goals that you hope to achieve during this elective. Registration requires permission of the course director(s).
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MDE 8090
Doctoring IV: Theory/Teaching

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

Description:
This elective will introduce senior students to the practice and theories of adult education.

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.
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:
N/A

Evaluation:
By the end of the elective, students should feel competent to teach in both small group and clinical settings. Evaluation will be based on student teaching evaluations, observation of COM course leaders, and direct observation by the elective director.

Syllabus:
Doctoring IV syllabus 2017_18_Catalog.pdf

Visiting Students:
No

Special Instructions:
All interested students must meet with the course director and obtain approval before registration.
Contact: Dr. Burt Anderson  
banderso@usf.edu  
(813) 974-2608  

Report to: Michael Ramsamooj  
mramsamooj@usf.edu  
(813) 974-9573  

Description: The student will undertake a specific research project in collaboration with one of the faculty.  

Objectives: The objective of this course is to introduce the student to modern methods and concepts of biomedical research.  

Rotation Activities: Work with a PI in the Department of Molecular Medicine to:  
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: N/A  

Evaluation: Evaluation of the student will be based on the mastery of a set of research techniques, the ut.  

Syllabus:  

Visiting Students: No  

Special Instructions: N/A
<table>
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<th>USFMS</th>
<th>1 - 11</th>
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<th>44</th>
<th>2.4</th>
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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.

Rotation 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:
N/A

Evaluation:
Evaluation will be based on a short paper or oral exam to be determined by arrangement with the instructor.

Syllabus:

Visiting Students:
No

Special Instructions:
Approval, dates, and duration of course must be arranged with a faculty mentor prior to registration.
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<th>Dominquez Rieg, Jessica</th>
<th>Research</th>
</tr>
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</table>

**Contact:** Jessica Dominguez Rieg, Ph.D.

**Assistant Professor**

jdominguezrieg@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. The student will learn about the research team, gain an understanding of the research process, and conduct research. The student will work as part of the research team on one of the projects current in the department.

**Rotation 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:** N/A

**Evaluation:** A written report will be required.

**Syllabus:**

**Visiting Students:** Visiting students and duration of course must be arranged with a faculty mentor prior to registration.
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| Neurology | MDT 8010N EPA Course in Neurology | TGH | 11A | Yr 4 Status | No Limit | 0 | 40 | 2 | Hurst, Rebecca | Clinical |

Co-Sponsors:

Neurology Education Coordinator
sfarring@usf.edu
(813) 974-4142
Dr. Rebecca Hurst
rlhurst@usf.edu

Report to:
TGH, 11th Floor
Room 941-A
Monday at 7:00 AM

Description:
During this rotation, students will become an integral part of a team that cares for patients with various neurological disorders. Fourth year students who plan to join a Neurology residency program will be exposed to, and assessed in, activities that all residents are entrusted to perform unsupervised once they have attained sufficient specific competence. In this elective, fourth year students who plan to join a Neurology residency program will be exposed to, and assessed in, activities that all residents are entrusted to perform unsupervised once they have attained sufficient specific competence. This elective will take advantage of faculty expertise in key clinical skills, inpatient exposure to a varied patient population, and simulated activities to fulfill this goal.
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. Recognize and learn how to manage patients presenting with common neurological emergencies.

5. Communicate and collaborate effectively with the Neurology team and ancillary staff.

6. Demonstrate the ability to have difficult conversations and discuss plan of care and results.


8. Perform general procedures of an neurology intern including lumbar puncture and the basic procedures.

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 setting under Attending and Resident supervision. They will take a detailed history and examine the patient and will be responsible for following and managing the patient they pick up.

2. Students will participate in neuroimaging, EEG, and EMG/NCS interpretation and lumbar punctures 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.

4. Students will observe and participate in delivering diagnosis and plan of care as well as difficult conversations with patients.

5. Students will participate in patient handoffs.

6. Students will complete clinical vignettes and learn lumbar puncture both in a simulated environment and on the wards.

7. Students will participate in night and weekend call with designated 3 weekday nights interspersed throughout the rotation and 3 weekend days.

Patient Encounters:

Students will see a variety of common and uncommon neurological conditions such as headache, epilepsy, stroke, multiple sclerosis, spinal cord disease, myasthenia gravis, Guillain Barre syndrome, and amyotrophic lateral sclerosis.

Evaluation:

Students on this rotation will be evaluated through:

1. Direct observation of clinical encounters including taking clinical history and examination.

2. Presentation of clinical vignettes.


4. Simulation exercises to demonstrate competence in consent performing lumbar puncture.

5. Demonstration of interpretation of common diagnostic testing (CT head, CSF labs).

Students will receive feedback on their performance:

Through feedback and final assessment at the end of the rotation by the course director, basic evaluation will be conducted.
**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<th>Yr 4 Status</th>
<th>Schedule</th>
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<tbody>
<tr>
<td>Neurology MDT 8800 Neuroimmuno in Neuro Disease</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Shereena Farrington</td>
<td>This is a 2-week elective for fourth year medical students under the supervision of Dr. Marzena Wiranowska. The course focuses on the role of the immune system in neurological diseases. Students will learn about recent basic scientific advances in immunology and how they may translate into clinical therapies. Students will appreciate the process of translating scientific discovery to bedside treatments. They will learn how to do a literature review and how to critically examine and interpret scientific literature. Students will produce a final project examining the role of the immune system in a neurological disease.</td>
</tr>
</tbody>
</table>

- **Contact:** Shereena Farrington
  
  Neurology Education Coordinator
  
  sfarring@usf.edu
  
  (813) 974-4142
  
  Report to: Marzena Wiranowska’s office
  
  Contact Dr. Wiranowska prior to start of rotation at mwiranow@usf.edu

- **Objective:**
  
  Students will appreciate the role that the immune system plays in many neurological diseases.

  1. Students will learn about recent basic scientific advances in immunology and how they 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:

No

Special Instructions:

N/A

| Neurology   | MDE 8560 Intro to Physical Med and Rehab | LVHN | Yr 4 Status | 1 | 0 | 44 | 2,4 | Radecki, Jeffrey | Clinical |
Description:
The Physical Medicine and Rehabilitation/Physiatry elective is intended to allow students the opportunity to develop and strengthen skills in the field of physical medicine and rehabilitation. The elective includes a variety of educational activities aimed at providing students with a comprehensive understanding of this discipline.

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 acupuncture
7. Develop treatment plan according to best practices

Rotation Activities:
1. Students will participate in the outpatient Physiatry clinics and the Inpatient Rehabilitation Facility.
2. Students will follow the schedule created for the attendings and nurse practitioner with whom they work.
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
   selected musculoskeletal diagnostic tests under direct supervision.

Patient Encounters:
Evaluation:
Educational objectives will be provided. Evaluation will be based on attendance and demonstration that the educational objectives have been met.

Syllabus:

Visiting Students:

Special Instructions:
N/A
Contact: Prior to rotation, contact:

Shereena Farrington
sfarring@usf.edu
(813) 974-4142

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)

Description:
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:

There will be instruction in the evaluation and rehabilitation of a wide range of medical disability conditions including patients with disabilities. This will benefit all medical students regardless of their primary area of interest.

Patient Encounters:

Evaluation:

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

Neurology MEL 8871 Elect in Inpatient Gen Neuro

LVHN 1 - 11 Yr 4 Status 1 0 40 2,4 Varrato, Jay Clinical

Click here for additional course information
Contact: Mark Bolden
Mark.Bolden@lvhn.org
(484) 862-3175

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:
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<th>MEL 8671 Elect in Inpatient Gen Neuro</th>
<th>TGH</th>
<th>1-11</th>
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<th>Hurst, Rebecca</th>
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</thead>
</table>

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

**Special Instructions:**
Dr. Varrato is required before scheduling this elective.

**Contact:**
Shereena Farrington
Neurology Education Coordinator
sfarring@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...
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 and Resident supervision. They will also obtain the neurological history and perform a neurological examination on these patients. They will also learn to manage 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.

Syllabus:

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

Special Instructions:
### Elective Information:

**Neurology**

- **MEL 8671**
- **Inpatient Gen Neuro**

- **T-VAH** 1-11
- **None** 1 0 40 2,4
- **Frontera, Alfred**

---

#### Description:

The elective is under the supervision of Dr. Alfred Frontera. 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 seen in the inpatient setting.
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

---

#### Contact Information:

- **Shereena Farrington**
  - Neurology Education Coordinator
  - **sfarring@usf.edu**
  - (813) 974-4142

**Report to:**

- **James A. Haley VA Hospital**
  - 7th Floor Room 7B-711
  - Monday at 7:00 AM
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 learn to take a thorough patient history and complete a physical examination.

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, based on clinical evaluations completed by all Residents and Attendings who worked with them.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

N/A

| Neurology | MEL 8673 Elective in Epilepsy | TGH | 1 - 11 | None | 2 | 0 | 40 | 2,4 | Benbadis, Selim | Clinical |
**Contact:**  
Shereena Farrington  
Neurology Education Coordinator  
sfarring@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... Students may do a two or four-week elective in the Tampa General Hospital Comprehensive L...  

**Objectives:**  
1. Students should understand the differential diagnosis of epilepsy  
2. Students should understand the difference between the different types of seizures and epi...  
3. Students will learn the basics of EEG interpretation  
4. Students should know the basics of video-EEG monitoring including its role and limitation.  
5. Students will learn the medical management of epilepsy patients and will be able to select...  
6. Students will become familiar with identifying refractory epilepsy patients and will familiar...  
7. Students will learn the pre-surgical approach to patients with refractory focal epilepsies  

**Rotation Activities:**  
Students on this rotation will be expected to learn and achieve the educational goals and obj...  
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 th...  
3. Students will have the opportunity to understand the basics of electroencephalography by ...  
4. Students will have several opportunities throughout the month to participate in Wada testi...  
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-EE...  
7. Students may attend and participate in weekly Neurology Morning Report sessions and we...  

**Patient Encounters:**  
Students will see patients presenting with epileptic seizures and mimics of epilepsy such as...
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:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

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<th>Kalidas, Kavita</th>
<th>Clinical</th>
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Contact:
Shereena Farrington
Neurology Education Coordinator
sfarring@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 work with our Headache Service and Pain Specialists. 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 manage headache patients.
4. Students will learn about the various interventional procedures used to treat headache disorders.
5. Students will learn about other complimentary interventions used to treat headache and pain patients.

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 blocks.
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 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. They will gain experience in the evaluation and management of headaches in these settings.

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.
Syllabus:

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

Special Instructions:
N/A

Coordinators:
Shereena Farrington
Neurology Education Coordinator
sfarring@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@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 Service. 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 Neurologists and Neurosurgeons.

Course Details:

<table>
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<th>Course Name</th>
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<th>PR</th>
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<th>Elective in Movement Disorders</th>
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<td>2,4</td>
<td>Zesiewicz, Theresa</td>
<td>Clinical</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Click here for additional course information.
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 will see patients at the North and South Campus Movement Disorder clinics under the supervision of Drs. Zesiewicz, Smith, and Vale. Students will 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, based on clinical evaluations completed by all Residents and Attendings who worked with them.

Syllabus:

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

Special Instructions:
Contact: Mark Bolden
Mark.Bolden@lvhn.org
(484) 862-3175

Report to: 1250 Building, 4th Floor
Neurology Department
Monday at 7:15 AM

Description:
With the course director’s assistance, the student will construct a calendar of outpatient experiences which can include ...

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 evaluations completed by all residents and faculty who work with them.

**Syllabus:**

**Visiting Students:**

Special Approvals: Dr. Varrato is required 3 months prior to the rotation.

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**Contact:**

Shereena Farrington

Neurology Education Coordinator

sfarring@usf.edu

(813) 974-4142

Report to: TBD based on scheduling. Please contact Course Director and Mrs. Shereena Farrington at least one week prior to the start of the rotation.

**Description:**

The elective is under the supervision of Dr. Rebecca Hurst. During this rotation, students will become an integral part of the outpatient neurology service. They will participates in patient care, including diagnosis and management of neurological disorders.

The department may assign students to USF Clinics, the James A. Haley or Bay Pines Veterans Administration Hospital, 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 clinic setting under Attending supervision. They will take a full history and perform a comprehensive 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.

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, based on clinical evaluations completed by all Residents and Attendings who worked with them.

Syllabus:

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

Special Instructions:
N/A
MEL 8678
Vascular Neurology

Contact: Mark Bolden
Mark.Bolden@lvhn.org
(484) 862-3175

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. It will focus on 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.

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 outpt stroke clinic with an 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:**

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 to plan the elective prior to scheduling.

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<th>Course Code</th>
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**Contact:**

Shereena Farrington
Neurology Education Coordinator
sfarring@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. David Rose. During this rotation, third or fourth-year medical students may choose to participate in the stroke service at TGH. During this rotation, students will become an integral part of the stroke team and will be expected to function at the sub-intern level.
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 managing the patients they pick up. Neurological examination skills will be taught to the students at the bedside.
4. Students will evaluate patients in the outpatient stroke clinic where they will learn about secondary stroke prevention and critical care neurology as it pertains to the management of patients with ischemic stroke, intracerebral hemorrhage, and subarachnoid hemorrhage.
5. Students will attend and participate in weekly Interdisciplinary Stroke Conference, weekly Neurology Morning Report, weekly Neurology Didactic teaching sessions and weekly Neurology Grand Rounds.

Patient Encounters:
Students will evaluate patients with known or suspected stroke syndromes (acute and chronic) in hospital and ambulatory settings. They will evaluate patients on the Neurology Service and see patients in the outpatient stroke clinic 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 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:

Neurology

MDR 8800 Research in Neurology

Contact:
Shereena Farrington
Neurology Education Coordinator
sfarring@usf.edu
(813) 974-4142

Report to Dr. Charles Brock prior to start of rotation at cbrock@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 studying movement disorders, epilepsy, and other 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 their 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:

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 an hypothesis, obtain any pertinent IRB approval, collect and analyze data and create a manuscript reporting their findings.

Of note, given that the expectation of this course is that the student produce a publication based on their research, the requirement to enroll in this elective implies that the student has already done previous work on the research project prior to enrolling in this elective.

Patient Encounters:

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:

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</table>
Kelly Thompson, Residency Coordinator

kpthompson@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 neurosurgery. The student will participate in the 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 care. Students will learn and apply the specifics regarding performing neurological exams; collecting and organizing a patient's medical history; demonstrating interpersonal and communication skills through their interactions; participating in team-based learning exercises; perform literature and/or database searches; and contributing to the healthcare system; employ collaborative approaches that effectively and efficiently make use of healthcare resources.

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 individual talents at the discretion of the operating surgeon.

Didactics: Students will be expected to attend Grand Rounds Conference on Friday mornings. Students will be required to give a 5-10 minute talk on a neurosurgical topic as part of the Grand Rounds experience. Students will also have the opportunity to scrubs in and observe during OR procedures.

Students will learn and apply the specifics regarding performing neurological exams; collecting and organizing a patient's medical history; demonstrating interpersonal and communication skills through their interactions; participating in team-based learning exercises; perform literature and/or database searches; and contributing to the healthcare system; employ collaborative approaches that effectively and efficiently make use of healthcare resources.

Evaluation: At the conclusion of the rotation, the student should be quite familiar with and have a basic understanding of the scope of the subspecialty of neurosurgery and the role that residents and fellows play in the management of neurosurgical illness. Evaluation will be based on the student’s performance during ward rounds, participation in conferences, 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 Activities
The student will be associated with neurosurgical surgeons whose patients' exhibit a wide spectrum of neurological disorders. This will include rotations in neurosurgical services, the neurological operating room, participating in rounds and observing angiographic and CT diagnostic procedures.

### Patient Encounters
- Clinic
- Operative
- Floor
- Intensive care

### Evaluation
Students will be evaluated based on their ward performance.

### Syllabus:

### Visiting Students:
No

### Special Instructions:
N/A

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### NeuroSurg
1. **MDI 8650 Neurosurgery AI**
   - Click here for additional course information

### Contact:
**Joseph Stirparo, MD**
- **Joseph_J.Stirparo@lvhn.org**

### Report to:
LVHN Cedar crest

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### NeuroSurg
1. **USFMS**
   - **Mark Greenberg, Mark**
   - **Reseat**
MDR 8650 Neurosurgical Research

Contact: Thompson, Residency Coordinator
kpthompson@usf.edu
(813) 259-0901

Report to: Mark Greenberg, M.D., Program Director, unless specifically assigned to another faculty member.

Description: This rotation is considered an introductory step for students who may be planning an academic research career.

Students will identify a specific research topic of interest, whether independently, or in collaboration with ongoing research projects at the Neuroscience and Brain Repair Department. 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:

1. Create a preliminary outline of the depth and goals of their research period.
2. Review published literature pertaining to the clinical area or topic; evaluate and critique publications based on the evidence.
3. Familiarize themselves with the various methods associated with data collection, interpretation, and analysis.
4. Gain a general understanding of the opportunities, sources, and challenges associated with securing funding and resources for research.
5. At the end of the elective, students should be able to report on their research, including initial goals, contributions, findings, etc.

Rotation Activities:

- The student will be exposed to a variety of techniques currently used in neuroscience research, including anatomic, molecular, and cellular neuroscience.

Patient Encounters: Non-clinical encounters will be limited, and non-clinical in nature. If the project proposal requires patient interaction, the student must obtain 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: No

Special Instructions: N/A
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Contact: Dr. 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: Students will be expected to demonstrate a level of skill in-patient care of both gynecologic oncology in-patients and out-patients by completing all intern related administrative tasks under supervision of chief resident and assigned faculty mentor.
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 develops new management and diagnostic plans for assigned patient.

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.

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 patient in the ambulatory gynecologic office setting with faculty attending 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 comorbidity.

9. Will research, prepare, and present a 15 minute oral presentation relating to a chosen gynecologic oncologic topic during the rotation.

Rotation Activities:

1. The student will work with the Gynecologic Oncology team caring for patients on the wards, in the OR, and in the ambulatory gynecologic office setting with faculty attending when assigned. Participate in and develop an understanding for the principles of robotic surgery.

2. Participate in new consults and emergency room evaluations as acting intern and be responsible for examining and documenting patients as scheduled. Join the team in the OR during assigned procedures. Participate in daily rounds and help manage patients. Participate as acting intern in all assigned pre-operative and post-operative care and procedures.

3. The student will attend all conferences and lectures that the Gynecologic Oncology team intern is required to attend.

4. The student will be responsible for writing clinic and/or inpatient notes as assigned by chief resident and faculty.

Patient Encounters:

Evaluation will be based on clinical performance in the role as acting intern to include assessment of:

- 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.
Contact: Stephanie Jones  
Stephanie-Ma_L_Jones@lvhn.org

Report to: Delivery, 3rd Floor Jaindl
Lehigh Valley Hospital, Cedar Crest  
Monday 7:00 AM

Email the course director the week prior to the rotation for the schedule

Description: This elective is designed for senior students who have chosen to pursue a career in obstetrics & gynecology. It will prepare students to manage common medical complications in obstetrics, perform basic surgery, and obtain knowledge that will facilitate transition into residency.

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 including induction and management of labor.
3. Demonstrate basic knowledge of normal postpartum care.
4. Demonstrate basic surgical procedures and basic gynecology office procedures.
5. Demonstrate knowledge of basic abdominal and pelvic anatomy.
6. Demonstrate basic knowledge of common ambulatory gynecology problems.

Rotation Activities: Students will undergo a curriculum that addresses each of the ACGME Level 1 Milestones. This will include simulation, clinical case scenarios, and case-based learning.

Patient Encounters: N/A

Evaluation: Students will be evaluated by performance on meeting the ACGME Level 1 Milestones. This will be done through graded scenarios, and simulation exercises. Grades will be determined based on these evaluations done at the end of the course.

Syllabus:

Visiting Students: No

Special Instructions: N/A
Contact: Christina Black
Christina_M.Black@lvhn.org

Report to: Valley Hospital – 17th Street
Monday 7:00 AM

Description:
This elective is intended for those students who wish to obtain additional background in gynecology.

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
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 assigned clinical attending. During this time, can go over:
   - 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 by the chief resident and gynecology faculty assigned to the team. Evaluation will be based on:

- 50% Attending/Resident Evaluations
- 30% Case Presentation
- 20% Notes & Completion of Passport and Log

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:
Contact Dr. Black at least one week in advance to set up the first day meeting to review expectations.

Students are allowed to miss one day without having to make the shift up. Students must notify the gynecology rotation attending leader prior to any missed days.

| Ob/Gyn | MDE 8180 Maternal-Fetal Medicine | LVHN 1 - 11 | Yr 4 Status | 1 | 0 | 80 | 4 Coasso, Kara | Clinical |
Description:
The purpose of this rotation is to advance your knowledge in the area of Maternal Fetal Medicine. Below is the general information: 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 Details:
The rotation is supervised by Dr. Coassolo. She will contact you by email the week prior to the rotation with more specific instructions for the first day. You are responsible for setting all meetings with Dr. Coassolo. The entire MFM staff is available for interaction. Students will meet with Dr. Coassolo at the starting, mid-point, and completion of the rotation.

Rotation Activities:
1. Students are expected to function as a member of the MFM team. The team consists of the MFM personnel including the following: Dr. Coassolo, nurse practitioners, and genetic counselors. The greater initiative and interest you show, the better the experience will be for you.
2. 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
3. Students will have the opportunity and be expected to see an appropriate distribution of patients (both inpatient and outpatient) during the rotation. Failure to complete this list during your rotation may result in an incomplete rotation.
4. Students will be expected to present a 15-20 minute talk during the rotation. This presentation can focus on a perinatal topic or an interesting patient seen during the rotation.
Evaluation:

- Daily Inpatient 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:

Ob/Gyn MDE 8181 Obstetrics Elective

LVH-CC 4 - 11 Yr 4 Status 1 0 60 4 Jones, Stephanie

Clinical

Click here for additional course information

Contact:

Stephanie Jones

Stephanie-ma_l.jones@lvhn.org
Report to: Labor & Delivery, 3rd Floor
Jaindl
Lehigh Valley Hospital, Cedar Crest
Monday 7:00 AM

Please email the Course Director the week prior to obtain your schedule.

Description:
The purpose of this rotation is to advance your knowledge in the area of inpatient obstetrics. Students will be expected to develop a level of skill for the in-patient care of obstetrical patients. This rotation is designed for students who wish to gain exposure to a specific area that will enhance their knowledge of obstetrics. Please do not hesitate to discuss this with your preceptor.

Objectives:
1. Perform initial assessment of patients in the triage area by conducting history and supervised physical exam. Perform initial assessment of patients in the triage area by conducting history and supervising physical exams. Identify potential patients requiring inpatient care and perform necessary testing. Perform initial assessment of patients in the triage area by conducting history and supervising physical exams. Identify potential patients requiring inpatient care and perform necessary testing.
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 appropriate for the level of training.
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. The student will be expected to meet with their preceptor at the start, mid-point and completion of the rotation. Students are expected to function as a member of the obstetrics team. The team consists of the resident staff. The student will be expected to meet with their preceptor at the start, mid-point and completion of the rotation.
3. Students are expected to follow and participate in the care of designated patients. S/he will be assigned 1-3 patients for management and follow-up. Students are expected to follow and participate in the care of designated patients. S/he will be assigned 1-3 patients for management and follow-up.
4. Students will have the opportunity and be expected to see an appropriate distribution of patients that correlates with the level of training. Students will have the opportunity and be expected to see an appropriate distribution of patients that correlates with the level of training.
5. Students 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. Students will be expected to participate in the education of the third year medical student either through creating a study handout, education tool or presentation at their weekly lecture.

Call Schedule:
This course is setup with two weeks of dayfloat from Monday through Friday and two weeks of nightfloat Sunday through Thursday night. Students may also need to use weekend call shifts to make up time missed during the rotation. Students will attend neonatal and ultrasound conferences, grand rounds presentations, and.

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 in second half of rotation
- Completed third year medical student educational experience
- Completed procedural passport

Syllabus:
- Visiting Students: Yes. Apply via Lehigh Valley Network on VSAS.
- Special Instructions: N/A

Contact:
Dr. Christina Black
Christina_M.Black@lvhn.org

Ob/Gyn MDI 8162 Acting Internship in Gynecology
Click here for additional course information

Status Yr 4 1 - 11 0 80 4 Black, Christina

Clinical
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. Students will act as the primary provider (house officer): admit, develop management and diagnostic plans for the gynecology patient and have plan for initial orders for assigned patients.

Objectives:  
1. Will act as the primary provider (house officer): admit, develop management and diagnostic plans 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 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 and notes that are due  
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 assessment

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  | MEL 8420 Ob/Gyn Specialty Elective | TGH/MCAH 6-11 | Ob/Gyn AI | 4 | 0 | 40 | 4 | Rapkin, David | Clinical |
Contact: Melissa Mancao
mjmancao@usf.edu

Report to: South Tampa Center (STC)
6th Fl
Dr. David Rapkin
drapkin@usf.edu
(412) 535-1873

Description:
The elective is offered to introduce the fourth year medical students to 2 subspecialties within the field of Obstetrics and Gynecology (Ob/Gyn). The primary goal of this elective is to provide the student with the opportunity to gain insight and experience in a sub-specialty, which may be pursued in future research in an Ob/Gyn subspecialty. Students must take MDI 8160 Ob/Gyn Acting Internship before enrolling in this course.

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:
- No

Special Instructions:
- Contact Melissa Mancao at least two weeks prior to the start of the rotation.
- The department will accept 2-4 students per month in periods 7,8,9,10. The desired specialty is not always available; therefore, students must meet with Dr. David Rapkin prior to the rotation to determine the specific subspecialty.
Click here for additional course information.

Contact: Dr. Stephanie 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 course is for those students who wish to gain additional experience in Obstetrics and Gynecology. Requests for the course should be made in writing/verbally with Acting Interns. Each student should discuss their goals for the rotation with their preceptor. This course is for those students who wish to gain additional experience in Obstetrics and Gynecology.

Objectives:
1. Perform initial assessment of patients in the triage area by conducting history and supervised physical exams, including the identification and management of obstetric and gynecologic emergencies, and participating in patient care with residents and attending physicians.
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 appropriate for the level of training.
5. Perform postpartum rounds with resident obstetrics team.
6. May engage in antepartum teaching rounds.

Date(s) is for those students who wish to gain additional experience in Obstetrics and Gynecology.
Rotation Activities:

1. Internship faculty will be responsible for the student’s orientation and completion of the evaluation throughout the rotation.

2. Acting Intern is expected to function as a member of the obstetrics team. The team consists of the resident staff, the general obstetrics attending physicians, the obstetrician-gynecologist, the MFM specialist, the ED resident, the third-year medical students, the CNM, and nurses.

3. Acting Intern is expected to follow and participate in the care of designated patients. She or he will be assigned 1-3 patients, and the acting intern has the responsibility of deciding which patients to follow.

4. Acting Intern will have the opportunity and be expected to see an appropriate distribution of patients that correlates with their current obstetrics rotation. Failure to meet this requirement 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 ambulatory obstetrics clinic in a general ob/gyn office. The acting intern is expected to complete/di scuss four APGO obstetrics topics with a faculty member.

7. The acting intern is expected to complete/discuss four APGO obstetrics topics with a faculty member.

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 set up with two weeks of day float from Monday through Friday and two weeks of night float 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 neonatal and ultrasound conferences, grand rounds presentations, and lectures.

Patient Encounters:

Evaluations:

- 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 faculty will complete evaluation scores. The acting interns are expected to receive a final evaluation at the end of the rotation feedback we will ask for 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 rounding in a presentation for residents, medical students, and third-year medical students. You will give a 10-20-minute 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 postpartum note for both vaginal and C-section deliveries.

- Oral Teaching Cases – You will be assessed on weekly obstetrics teaching cases by resident.
Honors Eligibility

Students often ask about what preceptors look for in distinguishing the “average” from the “truly outstanding” or honors 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:
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<tr>
<th>Ob/Gyn</th>
<th>MDI 8160 Ob/Gyn Acting Internship</th>
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<th>Rapkin, David</th>
<th>Clinical</th>
</tr>
</thead>
</table>

- **Contact:** Melissa Mancao  
  - **mjmancao@health.usf.edu**

- **Report to:** Tampa Center (STC)  
  - 6th Fl  
  - Dr. David Rapkin

**Description:** The Ob/Gyn Acting Internship is divided into one week of L&D Days, one week of L&D Nights,
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 at all times
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
9. Provide an introduction and appreciation to an Ob/Gyn subspecialty
10. Develop student independent interest and research in the subspecialty
11. Provide the student with a clinical interactive opportunity with a subspecialty attending.

Subspecialties available in the following areas:

- Gyn Oncology
- Female Pelvic Medicine & Reconstructive Surgery (FPMRS)
- Maternal Fetal Medicine
- Reproductive Endocrinology & Infertility (REI)
- Outpatient Generalist Ob/Gyn

Rotation Activities:
The student will be supervised by USF Department of Ob/Gyn clinical faculty and residents through the division members to obtain the most clinically active insight into the 2-week subspecialty rotation.

Patient Encounters:
Students will be asked to manage at least 2 patients at all times when volume permits: 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 members. 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 one month prior to the start of the rotation. The department will accept 2-4 students per month in periods 2, 3, 4, 5. 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.
Ob/Gyn

MDT 80100 EPA Course in Ob/Gyn

Click here for additional course information

Contact: Dr. Bri Anne McKeon
bamckeon@usf.edu

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

Description: Entrustable Professional Activities (EPAs) are units of professional practice, defined as tasks executable, observable, and measurable in their process and outcome, and, therefore, suitable for entrustment decisions.

In this elective, 4th year students who plan to join an Obstetrics and Gynecology residency program will be exposed to, in, activities that all entering residents should be expected to perform on day 1 of Obstetrics and Gynecology residency. The goal is to provide a smooth transition for the graduating student into their expected performance as an intern in Obstetrics and Gynecology.

This elective will take advantage of faculty expertise in key clinical skills and simulated and didactic activities to fulfill this goal.

2. Ten Cate O. Nuts and bolts of entrustable professional activities. J Grad Med Educ. 2013;5:
Objectives:

At the completion of this 2-week course, the student will be able to:

1. Gather an obstetric and gynecologic history
2. Perform a complete breast examination
3. Perform a pelvic examination including speculum and bimanual examination in a gynecologic patient
4. Perform a cervical exam in a pregnant patient including palpation of the cervix and accurate assessment of cervical dilation
5. Interpret a fetal heart rate tracing and initiate appropriate management
6. Perform and interpret of a wet mount for common obstetric and gynecologic complaints
7. Provide an oral presentation following a clinical encounter including assessment, differential diagnosis and plan
8. Perform and receive patient handoffs effectively to transition care
9. Perform standard maneuvers of a vaginal delivery
10. Identify and perform initial evaluation and management for common obstetric emergencies
11. Obtain informed consent for basic office and surgical procedures (IUD insertion, Dilation and curettage, Cesarean delivery, Bilateral tubal ligation)
12. Perform adequate counseling regarding contraceptive options
13. Demonstrate basic GYN surgical principles including patient positioning, prepping and draping
14. Demonstrate basic surgical skills including Foley catheter placement, knot tying and similar procedures
Students on this rotation will be expected to participate in the following activities to meet the

1. Attend a series of preparatory workshops including:
   a. Fetal heart rate interpretation and management
   b. Wet prep interpretation and management
   c. Vaginal delivery and perineal laceration repair
   d. Common obstetric emergencies including obstetric hemorrhage, shoulder dystocia, umbilical cord prolapse, and fetal bradycardia
   e. Contraceptive options and IUD insertion
   f. Gynecologic basic surgical principles
   g. Effective patient handoffs

2. In a simulated environment, perform the following activities with observation and feedback
   a. Breast examination
   b. Pelvic examination including speculum and bimanual exam for a gynecologic patient
   c. Cervical exam in a pregnant patient with assessment of cervical dilation
   d. Vaginal delivery maneuvers
   e. Initial evaluation and management of obstetric hemorrhage, shoulder dystocia and umbilical cord prolapse
   f. Informed consent for the following procedures: IUD insertion, dilation and curettage, cesarean delivery, bilateral tubal ligation
   g. Contraceptive counseling
   h. Patient positioning, prepping, and draping for gynecologic surgery
   i. Foley catheter placement, knot tying and simple suturing

3. Answer mock calls/pages from nursing staff for common intern pages

4. Spend 2 half-days with an attending preceptor in the ambulatory setting (pending availability)
Patient Encounters:
Students on this rotation will have rotated on their Ob/Gyn Acting Internship (4 weeks) and Ob/Gyn Subspecialty Rotation (4 weeks) for a combination of inpatient and ambulatory obstetric, gynecologic and surgical experiences. Rotating through the Ob/Gyn Acting Internship and Ob/Gyn Subspecialty Rotation is a pre-requisite to this course.

Evaluation:
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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<td>Hembr ee, Timothy Clinical</td>
</tr>
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</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
3. Participate in lecture series, practice H&P skills, oral presentation/case report

Patient Encounters:
Daily 1-3
10-30 total

Evaluation:
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

Oncologic Sciences MCC 4 - 11 Yr 4 Status 1 0 44 4 Bromberg, Hannah Clinical
Intro to Palliative Care
Description:
The elective is designed to introduce fourth year medical students to palliative care in an oncology setting. Under the leadership of Hannah Bromberg, DO, 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, psychological, 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, pain, 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 of care.
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, and guide caregivers in their understanding.
8. Distinguish the services of inpatient hospice versus home hospice and recognize which patients are appropriate for referral to each service.
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 ambulatory clinic. The rotation includes multiple components such as giving bad news, discussing advance care planning, and identifying symptoms common at the end of life and managing 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. The evaluation is 100% based on clinical evaluations.

Visiting Students:
No

Special Instructions:
Prior Approval Required: Any interested student MUST meet with Dr. Bromberg to plan the elective. Ideally this should be done at least 1 month prior to the start of the rotation.
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<th>Poch, Michael</th>
<th>Clinical</th>
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</table>

Contact: Jennifer Selner
Management Assistant
Jennifer.Selner@Moffitt.org

Dr. Michael Poch
Michael.Poch@Moffitt.org

Report to Dr. Poch prior to the start of the rotation for instructions on where to report.

Description:
This elective is designed to introduce senior students to the practice of Genitourinary (GU) Oncology. Under the supervision of a GU medical oncologist and a GU urologic oncologist, undergraduate students participating in a 4-week rotation will spend 3 weeks 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 minutes)

Rotation Activities:
Clinical 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 the 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 as well as patients?

Syllabus:

Visiting Students:

Special Instructions:

N/A
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**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 of patients with lung and chest malignancies. From a didactic standpoint the student will join the surgical team in conference and multidisciplinary tumor boards.

**Objectives:**

1. Conduct independently (but under supervision) an efficient consultation of a patient presenting to clinic with a thoracic malignancy
2. Present in a concise, reliable and organized manner patient data during rounds, in tumor board and in clinic
3. Interpret basic Chest X-ray 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, subcuticular stitching, flawless knot-tying, basic thoracoscopy, basic robotic maneuvers, insertion/removal of chest tubes

**Rotation Activities:**

- Participation in the operating room and seeing patients in clinic

**Patient Encounters:**

The student will be evaluated by the course director at the end of the elective, based on clinical evaluations completed by the service supervised by the student on service that month. The student will be expected to complete an oral presentation of a topic of interest by the 4th week of their rotation. Grades are determined by: 75% clinical evaluations and 25% oral presentation.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

N/A
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<td>Otto, Kristen</td>
<td>Clinical</td>
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**Contact:**

Kristen. 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:**

This elective is designed to give medical students an experience with multidisciplinary cancer care for Head and Neck Cancer. The rotation will take place at Moffitt Cancer Center main campus.

**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 associated with head and neck cancer
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 inpatient 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 a two-week rotation.
Patient Encounters:

*Students* will be evaluated by the course director at the end of the rotation, with input from fa

Syllabus:

Visiting Students:

Special Instructions:
## Oncologic Sciences

**MEL 8831 Surgical Oncology**

### Contact:
Dr. John Kiluk  
John.Kiluk@moffitt.org

### Description:
This elective is designed for medical students who wish to gain an in-depth experience in surgical oncology. The course is designed to cover 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, Gynecology, Head & Neck, Thoracic, and Solid Organ Transplant. The rotation will consist of 1-2 weeks of operating (1 day in the OR a week), 2-3 weeks of outpatient clinics, 1 week of oncology rounds, 1 week of tumor boards, and 1-2 days of meetings with medical and radiation oncologists. The student will also be assigned to work with surgeons based on disease sites. These sites include: Breast, GI, GU, Gynecology, Head & Neck, Thoracic, and Solid Organ Transplant. The rotation will consist of 1-2 weeks of operating (1 day in the OR a week), 2-3 weeks of outpatient clinics, 1 week of oncology rounds, 1 week of tumor boards, and 1-2 days of meetings with medical and radiation oncologists.

### 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 attending surgeons who have worked with the student and who will provide a letter of evaluation. The evaluation will also be based upon feedback from the students who have worked with 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 Instructions:
Prior Approval Required: Students interested in a Surgical Oncology elective at Moffitt need to contact John Kiluk to discuss the possibility of filling the elective slot. The availability of students for the elective may be dependent on availability of faculty that can be influenced by national meetings and vacations.

### MCC 1 - 11 Yr 4 Status 10 0 80 2.4 Kiluk, John Clinical
Description: The objective of this elective is to provide the student with a basic understanding of the principles of medical and cancer management.

Objectives: 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 a variety of neoplastic and hematologic disorders.
4. Students should be able to recommend when to order diagnostic tests and be able to interpret laboratory test results.
5. Pain management, palliative care and psychosocial management of patients with hematologic and neoplastic disorders.

Rotation Activities:
- Clinic
- Noon Lectures
- Tumor Boards

Patient Encounters:

Evaluation: Students will receive an evaluation by their preceptor.

Syllabus:

Visiting Students:

Special Instructions: Please contact Lorie Jennings and Dr. Michael Jaglal at least one month prior to the rotation.
Contact: Dr. Michael Jaglal  
mjaglal@usf.edu

Report to 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, and management of neoplastic and hematologic disorders.

Objectives: 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. Assessment of tumor imaging by CT, MRI, and nuclear imaging techniques.
5. Multiagent chemotherapy protocols and combined modality therapies.

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:

No.

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

**Gwen Mitchell**  
Management Assistant, Infectious Diseases  
Gwen.Mitchell@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 offers a minimum an extended tour is offered of the lab, especially as there is cutting technology being used on a daily basis.

**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 ID trained nurses. Weekly microbiology rounds and additional research projects are available on request during the rotation.

**Patient Encounters:**
There are 3 distinct types of patients on the service. The BMT CI service includes autologous transplants, allogeneic transplants, and patients who have undergone chemotherapy. The BMT ID is also consulted for HIV as well as infections related to the immunosuppressed (CMV, EBV, BK, adenovirus, etc).

**Evaluation:**
Midway through the elective, there will be an informal evaluation process to allow the student to get early feedback as to their progress. 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:**
No

**Special Instructions:**
N/A
| Oncologic Sciences | MEL 8366 Adult Bone Marrow Transplant and Cellular Immunotherapy | Adult Med, Pri Care |
**Contact:**
Heydi 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:**
This will predominantly be an outpatient rotation focused on the evaluation of patients needing bone marrow transplantation (BMT) or cellular immunotherapy (CI). 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 undergoing outpatient transplant and outpatient cellular therapy.

**Objectives:**
1. Have an understanding of the process of bone marrow transplantation and cellular immunotherapy. Learn about the associated immunobiology of immune recovery after transplantation or 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 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:**

**Special Instructions:**
N/A

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| Oncologic Sciences | MCC | 1 - 6 | Yr 4 Status | 4 | 0 | 44 | 4 | Dilling, Thomas | Clinical |
The Department of Radiation Oncology, Moffitt Cancer Center, provides comprehensive, patient-oriented care for all types of cancer. 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 importance of radiation safety, multidisciplinary patient care, specialized treatment procedures, clinic structure, and supportive care.

3. Students will learn how to conduct a thorough history and physical examination and how to evaluate 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 USF Health Morsani College of Medicine on VSAS.

Special Instructions:
<table>
<thead>
<tr>
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<th>MEL 7320G Externship - Radiation Oncology</th>
<th>EXT</th>
<th>1 - 7</th>
<th>Yr 4 Status</th>
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<td>MEL 9999G Indep Study - Radiation Oncology</td>
<td>USFMS</td>
<td>1 - 11</td>
<td>Yr 4 Status</td>
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<td>Faculty Indep Study</td>
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<tr>
<td>Ophthalmology</td>
<td>MEL 8501 Medical Ophthalmology</td>
<td>MCAH 1 - 11 (Yr 4); 9 - 11 (Yr 3)</td>
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<td>0</td>
<td>44</td>
<td>2,4</td>
<td>Bhalee ya, Swetang</td>
<td>Clinical</td>
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</table>

**Contact:**

Report to: 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.

**Objectives:**
Students will have basic knowledge of the anatomy, clinical exam, and pathology of diseases affecting the eye.

**Rotation Activities:**
Attendance in clinics and surgeries of subspecialties

**Patient Encounters:**

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

**Special Instructions:**
| Ophthalmology | MEL 8501 Medical Ophthalmology | LVHN | 1 - 11 | Yr 4 Status | 1 | 0 | 44 | 2.4 | Saad, Christine | 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 observe, assist, 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 testing
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:**

**Special Approvals:** Required.
<table>
<thead>
<tr>
<th>Ophthal</th>
</tr>
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<tbody>
<tr>
<td><strong>MEL 8506 Cornea/Externaal Disease</strong></td>
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<tr>
<td><strong>Contact:</strong></td>
</tr>
<tr>
<td><strong>Report To:</strong> Institute Administrative Offices</td>
</tr>
<tr>
<td><strong>1st Floor FOB</strong></td>
</tr>
<tr>
<td><strong>First day of rotation</strong></td>
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</table>

**Description:**
This course is designed for students interested in ophthalmology as a career. Students will participate in the **Cornea** in the **MCAH**. 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:**

**Visiting Students:**
No

**Special Instructions:**
N/A

<p>| None | 1 | 0 | 44 | 2.4 | España, Edgar | Clinical |</p>
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<th>None</th>
<th>1</th>
<th>0</th>
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<th>2,4</th>
<th>Bhaleya, Swetangi</th>
<th>Clinical</th>
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</table>

**Contact:**

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. Students will participate in the ophthalmology clinic and surgeries.

**Objectives:** Students will have basic knowledge of the anatomy, clinical exam, and pathology of diseases affecting the cornea.

**Rotation Activities:**

**Patient Encounters:**

**Evaluations** 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:**

**Special Instructions:**
Ophthalmology 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, and other conditions affecting the retina. Students are required to present and discuss a patient they have evaluated during the course at the departmental case conference.

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
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<th>Ophthalmology</th>
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<th>None</th>
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<th>2.4</th>
<th>Ayyala, Ramesh</th>
<th>Clinical Ophthalmology Ext Internship - Ophthalmology</th>
</tr>
</thead>
</table>

**Contact:**

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 clinical conditions seen in ophthalmology. Students will have basic knowledge of the anatomy, clinical exam, and pathology of the disease. Attendance at clinics and surgeries is expected. A detailed discussion 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 Limit

**Special Instructions:**

N/A
| Ophthal | **MEL 9999E**  
<p>|         | <strong>Indep Study - Ophthalmology</strong> | USFMS | 1 - 11 | None | No Limit | 0 | 44 | 2,4 | Faculty | Indep Study |</p>
<table>
<thead>
<tr>
<th>Ortho</th>
<th>MDT 8600C Intro to Orthopaedic Peds</th>
<th>USFMS</th>
<th>1 - 11</th>
<th>None, Yr 3 only</th>
<th>2</th>
<th>0</th>
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<th>Maciel, Maureen</th>
<th>Clinical</th>
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</thead>
</table>

**Contact:** Nicole Rives  
nrives@health.usf.edu

**Report to:** Provided one week prior to the start of the rotation

**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. Students will gain knowledge and exposure to a wide variety of acute and chronic conditions including fractures, joint disease, bone diseases, and other orthopaedic problems. The student will participate in clinics and surgery, as well as didactic sessions and case reviews.

**Rotation Activities:**
- Seeing patients in clinic, scrubbing into the operating room, attending departmental conferences and lectures, and interpreting relevant imaging.

**Patient Encounters:**
- Evaluation: Upon completion of this elective, the student should have a basic understanding of the recognition and management of orthopaedic conditions. This write-up will be evaluated by Dr. Maciel.

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

**Ortho** | TGH | 1, 9-11 | None, Yr 3 only | 2 | 0 | 40 | 2 | Mir, Hassan | Clinical
Contact: Nicole Rives
nrives@health.usf.edu

Contact Information provided one week prior to the start of the rotation

Description: This elective is designed to introduce 3rd year medical students to the subspecialty of orthopaedic trauma and fracture care. Students will learn about the musculoskeletal system, its anatomy and physiology, and how to appropriately diagnose, manage, and consult for common orthopedic conditions and emergencies. Students will also learn about the role of the orthopedic surgeon, physician assistant, nurse, operating room team, physical therapist, and athletic trainers in providing coordinated, safe, and high-quality orthopaedic care.

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, Operating Room Team, Physical Therapist, and Athletic Trainers in the provision of coordinated, safe, and high-quality orthopaedic care.

Rotation Activities:
Daily rounding, dressing changes, seeing consults, assisting in fracture reduction and splinting.

Patient Encounters:
Evaluations will be done on an individual basis by the clinical preceptors and will be based on patient interaction, case presentations, medical plans, and documentation.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
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<tr>
<th>Ortho</th>
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<th>MOR /TGH/VA</th>
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<th>0</th>
<th>40-70</th>
<th>4</th>
<th>Mir, Hassan</th>
<th>Clinical</th>
</tr>
</thead>
</table>


Objective: Students will also 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, Operating Room Team, 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 be provided one week prior to the start of the rotation.

Patient Encounters:

An evaluation of the students' abilities to understand and manage patient encounters will be done on an individual basis by the clinical preceptors and will be based on case presentations, medical plans, and documentation.

Syllabus:

Visiting Students:

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

Special Instructions:

N/A
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<th>Ortho</th>
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<th>EXT</th>
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<td>USFMS</td>
<td>1 - 7</td>
<td>Yr 4</td>
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<td>44</td>
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<td>Faculty Indep Study</td>
</tr>
</tbody>
</table>
Contact: Kayla Scott
kmscott2@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 utilized as an essential supplement to the student's primary clinical rotations. 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 rotations. This rotation will provide first-hand experience in this area for students who are considering ultimate 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 surgery, including modern diagnosis and management of head and neck cancer, maxillofacial trauma, epistaxis, hoarseness, and dysphasia.

Patient Encounters: Evaluation:
The formal evaluation will be prepared by otolaryngology faculty based on the following: fund of medical knowledge, skills, judgement, ability to learn, teamwork, professionalism, 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 followed by the trainee 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.

Objectives: The objective is to provide greater exposure to the field of otolaryngology than what is possible in the basic surgical clerkships and to allow the trainee to obtain first-hand experience in this area for students who are considering ultimate 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 surgery. They will be able to perform modern diagnosis and management of head and neck cancer, maxillofacial trauma, epistaxis, hoarseness, and dysphasia.

Patient Encounters: The formal educational evaluation will be prepared by otolaryngology faculty based on the following: fund of medical knowledge, basic and clinical skills, communication and rapport with patients and families and subjective elements of interpersonal relationships, motivation, and ability.

Syllabus: 

Visiting Students:

Special Instructions: N/A
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<tr>
<th>Otolaryn</th>
<th>MEL 9999T Indep Study - Otolaryngology</th>
<th>USFMS</th>
<th>1 - 11</th>
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<tbody>
<tr>
<td>Path</td>
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<td>LVH-CC</td>
<td>4-6, 7B-11</td>
<td>Yr 4 Status</td>
<td>1</td>
<td>0</td>
<td>40-44</td>
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<td>Cornfield, Dennis</td>
<td>Clinical</td>
</tr>
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</table>
Students will observe and participate in the daily activities in Anatomic Pathology, including...

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...
5. Identify major histologic abnormalities in different organ systems

Rotation Activities:
- Observation of tissue processing in the grossing room; attendance of autopsies;

Patient Encounters:

Evaluation will be based on assessment of the above objectives by members of the Department...

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:
<table>
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<tr>
<th>Path</th>
<th>BMS 7663 Anatomic Pathology</th>
<th>TGH</th>
<th>3 - 11</th>
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<th>Riddle, Nicole</th>
<th>Clinical</th>
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</thead>
</table>

**Contact:**
Michelle Burnham  
mburnham@usf.edu

**Report to:**
TGH: B232  
8:00 AM on the first scheduled day to Dr. Nicole Riddle. Confirm rotation the week prior with the 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. Particular attention will be given to correlation between clinical information and pathologic findings.

**Objectives:**
1. Describe the limitations and benefits of a frozen section analysis.
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 Forensic Pathology. Mentorship in conferences will be encouraged. The role of the pathologist as consultant and educator will be demonstrated.

**Patient Encounters:**

**Evaluation:**
Evaluation will be based on assessment of the above objectives by members of the Department of Pathology.

**Syllabus:**

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

**Special Instructions:**
<table>
<thead>
<tr>
<th>Path</th>
<th>BMS 7663 Anatomic Pathology</th>
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<tbody>
<tr>
<td>T-VAH</td>
<td>3 - 11</td>
</tr>
<tr>
<td>Yr 4 Status</td>
<td>1</td>
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</tbody>
</table>

Contact: Michelle Burnham  
mburnham@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 roll 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 autopsy, practical tissue processing, and attending conferences. The role of the pathologist as consultant and educator will be demonstrated.

Patient Encounters: N/A

Evaluation: Evaluation will be based on assessment of the above objectives by members of the Department of Pathology.

Syllabus:

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

Special Instructions: Contact the Pathology & Laboratory Medicine Service secretary (813) 972-20
BMS 7664
Flexible Elective in Pathology

Hakam, Ardest\h
Contact:

Ardeshir Hakam
Ardeshir.Hakam@moffitt.org
(813) 745-1874

Report to:
Ardeshir Hakam
MCC 2070B

Description:
Rotations in gross/FS (2-3 days), Cytopathology (2 days) and other fields of pathology subspecialties.

Objectives:
The objective of this elective is to gain experience regarding the practice of pathology for those students considering a career in pathology.

Rotation Activities:

- **Gross & Frozen Section Pathology**
  
  In the initial few days, students are stationed in the frozen section room where they shadow and learn from the resident and fellows. They will examine and appropriate sectioning of a variety of simple to complex specimens for processing and final diagnosis.

- **Systemic Pathology**
  
  This portion of the elective involves the process diagnosis of tissue prepared during gross examination and appropriate sectioning.

- **Cytopathology (Sign out & Intra-Operative Evaluation)**
  
  During this assignment, students shadow the resident(s) and Fellow on the cytology service, sign out with pathologists, and process and diagnosis of intraoperative imprint cytology for sentinel lymph nodes.

- **Autopsy Pathology**
  
  On this service, the student accompanies the resident(s) to the autopsy suite when there is a post mortem examination to be performed and assists as needed.

Patient Encounters:

N/A

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:

N/A
### Pathology  \n**BMS 7664 Flexible Elective in Pathology**  
[Click here for additional course information](#)  

<table>
<thead>
<tr>
<th>Path</th>
<th>T-VAH</th>
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<th>Bulkeley, William</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:** Mable Burnham  
mburnham@usf.edu  

**Report to:**  
T-VAH: ID-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 career in pathology. It is designed to enhance the student’s analytical, clinical, and technical skills.  

**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 the role of the pathologist as consultant and educator. The daily activities may vary depending on availability.  

**Patient Encounters:**  
N/A  

**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
Contact: Michelle Burnham
mburnham@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 abnormalities in cytologic specimens.

Objectives:
1. Analyze the role 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 operations of the cytopathology laboratory and learn the common practices and procedures utilized in cytopathology. There may be opportunities to observe procedures as well.

Patient Encounters:

Evaluation: The staff cytopathologist will evaluate the student using a standardized student evaluation form.

Syllabus:

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

Special Instructions:
Students should contact the Pathology & Laboratory Medicine Service secretary (813) 972-20...
Contact: Ardeshir Hakam
Ardeshir.Hakam@moffitt.org
(813) 745-1874

Report
Ardeshir Hakam
MCC 2070B

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 and interpret abnormal cells and to introduce them to the role of the technologist as they prepare cytologic specimens. There may be opportunities to observe procedures as well.

Rotation Activities:
The rotation encompasses as many areas of Cytopathology as are practical in one month, including:

Gross & Frozen Section Pathology
In the initial 2-3 days, students are stationed in the frozen section room where they shadow and learn from the pathologists. They examine and appropriate section of a variety of simple to complex specimens for processing and final diagnosis.

Cytology preparation
Students will be rotating in the cytology preparation laboratory where they learn about the technical process involved in preparing cytopathology specimens (e.g., bone marrow, ascitic, and pleural fluids, including urine and pleural fluids among others), routine staining used for each and cell block preparation.

Cytopathology (Sign out & Intra-Operative Evaluation)
During this assignment, students shadow the resident(s) and Fellow on the cytology service, sign out with the cytopathologist, and 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
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.

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:

Rotation must be approved by the course director prior to scheduling.
Contact: Michelle Burnham
mburnham@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 (the Office of the State Attorney, the defense bar, the funeral industry, the press, and other medical specialties)

Rotation Activities:
1. Assist with autopsies on the bodies of persons dead from suicide, accident, and natural disease by performing dissections and medical chart review under the supervision of staff pathologists
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 (and frequently, a failure) 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: 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 Instructions: Prior approval required
<table>
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<th>BMS 8661 Research in Pathology</th>
<th>T-VAH 1-6, 8-11</th>
<th>None</th>
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<th>Bulkeley, William</th>
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</thead>
</table>
Contact: Michelle Burnham
mburnham@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:

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

Special Instructions: 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 | USFMS 1-6, 8-11 | None | 1 | 0 | 44 | 4 | Chen, Wei-Shen |
The Research in Pathology elective is designed for students interested in pursuing a career in the field of pathology. This elective is intended to provide students with the opportunity to gain hands-on experience in investigative research and to develop skills in critical thinking, experimental design, and data analysis. The elective is supervised by a member of the USF Department of Pathology and is available at the designated elective site.

**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. These studies will use primarily morphologic and molecular techniques as well as animal models.

**Patient Encounters:**

Evaluation:

1. Monitoring the student’s interest, initiative, and progress through daily interactions and at weekly research conferences
2. Evaluating the student’s problem solving ability and diligence in the performance of realistic research assignments
3. Evaluating the student’s judgment and critical approach in assigned library work as well as in analyzing and interpreting experimental data
4. The staff pathologists will evaluate the student using a standardized student evaluation form.

**Syllabus:**

**Visiting Students:**

Visiting students are not accepted.

**Special Instructions:**

Approval, dates, and duration of course must be arranged with the course director and a faculty mentor at the beginning of the academic year.
<table>
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<td>Peds</td>
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<td>LVHN</td>
<td>1 - 11</td>
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<td>4</td>
<td>Esernio - Jenssen, Debra</td>
</tr>
</tbody>
</table>
Contact:

Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to:
On the first day after Pediatrics Morning Report, call Jennifer Redmond, CAC Office Coordinator, at (484) 633-0935. She will provide you with the name and phone number of the Inpatient Pediatric Worker – either on the Inpatient Pediatric Unit at the Cedar Crest campus or at the Child Advocacy Center at the 17th & Chew campus - 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 pediatrics. Students will have the opportunity to work in the Child Advocacy Center at LVHN, 17th & Chew, 6th Floor (directly off the Green Elevators).

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
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 are not
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 and Neglect

Rotation Activities:
Students will see patients at the medical center at LVHN, and, when available, different court cases. Students will have the opportunity to attend court proceedings and participate in a personal presentation during the rotation. The topic will be selected by the student in discussion with the faculty preceptor.

Patient Encounters:

Evaluation:
The evaluation will be completed by Dr. Esernio-Jenssen.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:

N/A
### Description:
The 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.

### Rotation Activities:
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.

### 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:
No

### Special Instructions:
Students will also rotate at Children’s Medical Services.
MDE 8430
Pediatric Endocrinology

Contact: Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149


Description: This elective will provide medical students with an in-depth exposure to the diagnoses and management of acute and chronic endocrine illnesses.

Objectives:
1. Differentiate between normal and pathological states related to endocrinology
2. Evaluate and manage patients with presenting signs and symptoms that suggest an endocrine disease process
3. Demonstrate principles of growth and pubertal development important to the general pediatrician
4. Understand the role of the Endocrinologist and primary care provider in preventing and managing diseases of the endocrine system and in counseling and screening individuals at risk for these diseases
5. Collaborate and effectively communicate with both general and specialist Pediatricians in the management of patients with acute and chronic endocrine illnesses
6. Effectively communicate with patients and families about endocrine conditions, including management of acute and chronic conditions and interpretation of test results

Rotation Activities:
Students will see patients in the specialty center. They will have direct contact as well as observation of patient and family encounters. The students will also be scheduled to make a presentation at Pediatrics Morning Report towards the end of the rotation.

Patient Encounters:

Evaluation:
Direct and timely feedback will be given to students by Endocrinologists. The evaluation will be completed by Dr. Kashmer with input from Drs. Kuryan and office clinical staff.

Syllabus:

Visiting Students: Lehigh Valley Network on VSAS.

Special Instructions:
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<tr>
<th>Peds</th>
<th>MDE 8470 Child Neurology</th>
<th>TGH 1 - 11</th>
<th>Adult Med, Pri Care, or Maternal Newborn</th>
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<th>40</th>
<th>2, 4</th>
<th>Gieron, Maria</th>
<th>Clinical</th>
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</table>

**Contact:**
- Dr. Gieron
  - mgieron@usf.edu
- Dr. Nallu
  - snallu@usf.edu
- Elizabeth Kociolek, Admin
  - ekociole@usf.edu

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

**Description:**
This elective is designed to introduce students to the field of child neurology. Under the supervision of clinical faculty, students will have the opportunity to develop clinical skills in the assessment and management of children with neurologic problems. Students will enhance their ability to perform neurological examination in young patients and interpret its significance.

**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 one selected topic or present a patient management case towards the end of the rotation.

**Patient Encounters:**
- TGH 1 - 11
- Adult Med, Pri Care, or Maternal Newborn
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.

| Peds | MDE 8470 Child Neurology | LVH-CC 1 - 11 Yr 4 Status 1 0 40 4 | Sheikh, Muham med | Clinical |
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 localize pathology in the nervous system
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 healthcare 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 neurologists.
5. Student should attend Pediatric Morning Report on Monday and Thursday mornings at 8:00 am at the Cedar Crest site and will be scheduled to present at Pediatric Morning Report before the end of the elective.
6. Student should attend Pediatric Grand Rounds on Tuesday mornings at 8:00 am at the Cedar Crest site.

Patient Encounters:

Evaluation:
Performance during the rotation will be assessed by supervising faculty with input from members of the clinical team. There will not be a written exam but written work will be assessed as part of your clinical performance.

Syllabus:

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

Special Instructions: N/A
Contact: Winterhalt

Tammy.Winterhalt@lvhn.org

(484) 862-3149

Report to: 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, 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.

Description: This course allows students to learn in a pediatric inpatient setting the basic principles and practice of pediatric sedation. The 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 analgesia and develop a plan to manage pain

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: Will work closely with sedation doctor on Mondays, Wednesdays and Thursdays for scheduled outpatient procedures requiring sedation. Student will work with the PICU physicians though there may not be sedations scheduled on those days. On Fridays student will work with the PICU physicians.

Patient Encounters:

Evaluation: Student will be given feedback during the rotation from sedation doctors based on the above objectives. Rotation leader, together with sedation doctors and inpatient team, will complete student’s evaluation form and will forward to the medical school.

Syllabus:

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

Special Instructions: N/A
Description:
Principles of pediatric cardiology will be taught in outpatient and inpatient encounters at ACH-JHM. As a free-standing department, pediatric cardiology consults will be performed weekly to simulate a consult service. Students will be directly involved in the management of patients. The opportunity to participate in 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, patent foramen ovale, ventricular septal defects, tetralogy of fallot, ventricular outflow tract obstruction, conotruncal lesions, single ventricles, and cyanotic congenital heart disease.
3. Understand the basic principles of electrocardiograms and be able to interpret and have a treatment strategy for basic arrhythmias.

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

Contact:
Dan Maurielo
(727) 767-4106
Sara Mastry
(727) 767-4106
For questions if not able to reach the above contact:
USF Health Peds Edu Dept
(813) 259-8638
ACH GME Dept
(727) 767-4106
Rotation Activities:

Clinically these 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 diagnostic cardiac procedures.

Students are expected to participate in weekly conferences including cardiology specific conferences.

1. Outpatient cardiology clinics
   - daily cardiology clinics are held at All Children’s Hospital in St. Petersburg and multiple outpatient care centers.

2. Inpatient Service
   - Students will participate in work-up and care of cardiac patients including those in the card. ICU.

3. Sub-specialty rotations
   - all students will observe at least one of the following: open heart surgery and learn about cardiopulmonary bypass.

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:
Contact: Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to: The Children’s Heart Center of NE PA
1605 N. Cedar Crest Blvd, Suite 119
(Roma Corporate Center)
Allentown, PA
(610) 437-6687

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.
7. Student will see patients in an outpatient setting and will participate in history taking and p

Rotation Activities:
Student will spend each day with one of three pediatric cardiologists in the office setting. Student may join one of the cardiologists in the operating room at Lehigh Valley Hospital campus. 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 . Students will be evaluated based on their level of participation and improvement over the co.

Syllabus:

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

Special Instructions:
<table>
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<th>Peds</th>
<th>MDI 8400 Al-In-Patient Pediatrics</th>
<th>LVH-CC</th>
<th>1 - 11</th>
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<th>40-44</th>
<th>4</th>
<th>Robel, Lindsey</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Click here for additional course information.
Contact: Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to: After attending Pediatrics Morning Report on the first day, report to the Pediatric Inpatient Unit 5th Floor Jaindl 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 inpatient setting. Under the supervision of the attending pediatrician, the student will be given the opportunity to participate in patient care, including the management of patients on the pediatric services. The student will have the opportunity to observe and participate in the care of patients in the inpatient setting. The student will have the opportunity to observe and participate in the care of patients in the inpatient setting. The student will have the opportunity to observe and participate in the care of patients in the inpatient setting.

Objectives:
1. The student should be able to conduct a history and physical examination in a concise and logical manner 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.
3. The student should develop increasing clinical responsibility and judgment in dealing with patients.
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 will 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 recorded 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.
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
<table>
<thead>
<tr>
<th>Peds</th>
<th>MDI 8400 AI-In-Patient Pediatrics</th>
<th>ACH</th>
<th>1-11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
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<th>4</th>
<th>Faculty</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Resident

usfpedichiefs@gmail.com

(813) 259-8752

Dr. Shaila Siraj

ssiraj2@jhmi.edu

Kristen Wilcox

kristen.wilcox@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: provided one week prior to the start of the rotation

Description:
The senior medical student will serve as an "acting intern" with the resident staff assigned to the inpatient pediatric service. The student will participate actively in teaching rounds, journal clubs, and seminars as a junior house staff member.

Objectives:
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 reviewed. The student's participation at rounds and conferences will also be noted. 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.
<table>
<thead>
<tr>
<th>MDI 8400 Al-In-Patient Pediatrics</th>
<th>Yr 4 Status</th>
<th>Murphy, Melinda</th>
</tr>
</thead>
<tbody>
<tr>
<td>Click here for additional course information</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Contact:  
Chief Resident  
usfpedichiefs@gmail.com  
(813) 259-8752 

Dr. Melinda Murphy  
mshiver@usf.edu  
(813) 259-8752 

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 inpatient pediatric course is presented to give the student an experience in the management of children with problems that require hospitalization. Students will 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 and be able to use them when appropriate to patient care. 
3. The student should develop increasing clinical responsibility and judgment in dealing with pediatric 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 venipuncture, lumbar puncture, intravenous line placement, 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:  
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
| Peds | MEL 7563 Pediatric Nephrology | ACH | 1 - 11 | Adult Med, Pri Care, or Maternal Newborn | 1 | 0 | 44 | 2,4 | Flores, Francisco | Clinical |
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:
The students will provide inpatient (TGH and/or ACH) and outpatient (USF Clinics) care under close faculty supervision. They will present a patient case during a didactic session either provide a discussion of one selected topic or present a patient management case towards the end of the rotation.

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:
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.**
| Peds  | MEL 7563 Pediatri Nephrology | TGH 1 - 11 | Adult Med, Pri Care, or Matern Newborn | 1 | 0 | 44 | 2,4 | Campos, Alfonso | Clinical |

Contact:

- acampos@usf.edu
- Dr. Panzarino vpanzari@usf.edu
- Dr. Charles Hu chu2@usf.edu
- (813) 259-8764

Main Office: 17 Davis 2nd Fl
(813) 259-8688

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 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:

Patient Encounters:

Evaluation of the student’s performance will be made by observing development of his/her cl.
### 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 rotation will occur at Children's Medical Services. **Students who select a 2 week rotation may only have 1 day of absence excused.**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peds MEL 7565 Neonatology Intensive Care</td>
<td>Students will participate as members of the NICU clinical team consisting of faculty attending, Chinna karupp an, Nachama mmai.</td>
</tr>
</tbody>
</table>

**Contact:**
Tammy.Winterhalt@lvhn.org
(484) 862-3149

**Report to:**
NICU, 4th floor Jaindl Pavilion
8:00 AM on first day of rotation
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 Certifications Required
<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 7565 Neonatology Intensive Care</th>
<th>TGH 1 - 11</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>4</th>
<th>Ho, Tina</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Dr. Tina Ho
thaoho@usf.edu
(813) 844-3437

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 objective of this elective is the development of clinical expertise in the management of disorders of the neonate.

Rotation Activities:
- Students will participate as members of the NICU clinical team consisting of faculty attending, resident and dedicated neonatal fellows.
- Participate in conferences, rounds, and providing clinical care under close faculty and neonatal fellow supervision.

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 Certifications Required:
- NRP Certification Required
Contact: Dorothy Shulman
dshulman@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.

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: Evaluation of the student’s performance will be made by observing development of his/her clinical skills.

Syllabus:

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

Special Instructions: Prior approval from Dr. Rodriguez 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
Intro to Med-Peds

Click here for additional course information

Contact: Dr. John McCormick
jmccormi@usf.edu

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:
This elective is designed to introduce senior students to the specialty of Internal Medicine-Pediatrics. Under the supervision of a faculty member, the student will see patients in the Internal Medicine-Pediatrics combined clinic at the USF Health South and participate in the weekly resident clinic curriculum. Students will also have the opportunity to see patients in an inpatient 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, joint injection, and circumcision
5. Gain appreciation for the specialty of Internal Medicine-Pediatrics

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

Special Instructions:
N/A
<table>
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<tr>
<th>Peds</th>
<th>MEL 8554 Primary Care - Pediatrics</th>
<th>STC</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>40-44</th>
<th>4</th>
<th>Faculty</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Sharon Dabrow
sdabrow@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.

Objectives:
1. Improve knowledge of general outpatient pediatrics
2. Improve skills in performing histories, physicals, assessments and developing appropriate

Rotation Activities:
Hours: 8:30-5pm each day
Morning report 8-8:30 mandatory
Noon conference 12-1:00 required

Patient Encounters:

Evaluation:
The student's performance will be made by observing development of his/her cl.

Syllabus:

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

Special Instructions:
Contact at least one month prior
<table>
<thead>
<tr>
<th>Contact</th>
<th><a href="mailto:Tammy.Winterhalt@lvhn.org">Tammy.Winterhalt@lvhn.org</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone</td>
<td>(484) 862-3149</td>
</tr>
</tbody>
</table>

**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:** This rotation allows the student to experience the broad range of primary pediatric care issues in Pediatrics outpatient practice. 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. 

**Patient Encounters:**

**Evaluation:**
- Composite evaluation by the supervising physicians in the Children’s Clinic and LVPG Pediatrics.

**Syllabus:**

**Visiting Students:**
- No

**Special Instructions:**
- Student should clarify objectives and expectations on the first day of the rotation, as well as complete a mid-rotation review with the provider.
<table>
<thead>
<tr>
<th>Peds</th>
<th>MDE 8455</th>
<th>TGH</th>
<th>1 - 11</th>
<th>Pri Care or Mat Newborn</th>
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<th>Shapir o, David</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Click here for additional course information

Contact:

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

Description: The senior medical student will participate in both inpatient and outpatient clinical duties involving HIV-infected infants, children, and adolescents. The student will spend time in a supervised outpatient, inpatient, and laboratory setting.

Objectives: Offer the student a period of intense exposure to HIV infection in infants, children, and adolescents. The student will participate in teaching rounds, journal clubs, and seminars with the faculty, and/or basic research, participation in small pilot projects is encouraged under the mentorship of a faculty member.

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.

Syllabus: Visiting Students: No  
Special Instructions: No night is call required.

<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 8568</th>
<th>ACH</th>
<th>1 - 11</th>
<th>Adult Med or Mat Newborn</th>
<th>1</th>
<th>0</th>
<th>40-44</th>
<th>2,4</th>
<th>Moore, Colin</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Clinical
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: 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 chronically ill patients. The student will be an active participant in daily rounds and will be expected to interact with the team. Patient 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 settings related to the care of this population of children.

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.**

Transportation may be needed for travel between hospitals and clinics.
<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 8568 Pedi Hematology-Oncology</th>
<th>TGH</th>
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<th>Pri Care, Mat Newborn</th>
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<th>40-44</th>
<th>2,4</th>
<th>Galligan, Andrew</th>
<th>Clinical</th>
</tr>
</thead>
</table>


Contact:

jrico@usf.edu

Beriinda 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: 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:
Introduction 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:
In the 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 more.

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:

**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 Pavilion 1210 Cedar Crest building). On subsequent days the student will report to the attending who is on service at 8 AM.

Description: The student will be involved in the management of patients with pediatric hematology and oncology disorders, both in the inpatient and outpatient setting.

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 time in the outpatient clinic. Student will be scheduled to present at Pediatrics Morning Report towards the end of the rotation.

Patient Encounters:

Evaluation: The student will be evaluated on multiple aspects of patient care and clinical performance during the rotation. Feedback will be provided by attending physicians, other members of the healthcare team, and the student’s medical school. The student 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: N/A
# Genetic Elective

**Contact:**
- Dr. Judith Ranells
  - juranell@usf.edu
- Julie Stann
  - jstann@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:

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 Newborn Clinics at TGHsprin. 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 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 (Tampa General Hospital, South Tampa Center, and Children's Medical Services).

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<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 8570 Genetic Elective</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>Ranells, Judith</th>
<th>Clinical</th>
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</thead>
</table>

| Peds | CMS 1-11 | Pri Care or Mat Newborn | 1 | 0 | 44 | 2,4 | Pavan, Mary | Clinical |
MEL 8571 Developmental Pediatrics

Click here for additional course information
Contact:
Dr. Mary Pavan
mpavan@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: 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, w
The objectives of this elective can be met via a research track, a clinical track, or a literature i

Rotation Activities:
Patient evaluations via observation and direct contact and interacting with va.
In addition to "hands-on" training, weekly didactics will provide teaching in the basic areas o.
This elective incorporates a wide variety of clinic environments, with exposure to NICU follow
When working close to Tampa General or All Children’s Hospital, the student is expected to a

Patient Encounters:

Evaluation:
The student’s performance will be made by observing development of his/her cl.

Syllabus:

Visiting Students:

Special Instructions:
Students who select a 2 week rotation may only have 1 day of absence excused.
### 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 the 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:**

**Special Instructions:**

Contact:

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  

**For questions if not able to reach above contacts:**

USF Health Peds Edu Dept (813) 259-8638  
ACH GME Dept (727) 767-4106
<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 8574 Pediatric Pulmonary Disease</th>
<th>ACH</th>
<th>1-5, 7-8, 10-11</th>
<th>Pri Care or Mat Newborn</th>
<th>2</th>
<th>0</th>
<th>40-44</th>
<th>2, 4</th>
<th>Ewig, Jeffrey</th>
<th>Clinical</th>
</tr>
</thead>
</table>

*Click here for additional course information*
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, 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:

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.
<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 8574 Pedriatic Pulmonary Disease</th>
<th>TGH</th>
<th>Pri Care or Mat Newborn</th>
<th>0</th>
<th>40-44</th>
<th>4</th>
<th>Colon Cortes, Yanerys</th>
<th>Clinical</th>
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</table>
Contact: Dr. Marisa Couluris
mcouluri@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...

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: Yes. 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 ... 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.

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. 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 the evaluation and treatment of pediatric pulmonary disorders. The student will be scheduled to present an interesting case at Pediatric Morning Report towards the end of the rotation.

Patient Encounters:

Evaluation: will be evaluated on clinical performance during this 4 week rotation. The student will be evaluated by the rotation leader, with input from the clinical team, will complete student’s evaluation form and return to the medical school.

Syllabus:

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

Special Instructions: N/A
Contact: Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

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 PICU provides patient care using a team approach and includes participating in didactic presentations on aspects of pediatric critical care medicine, and self-directed study on individual patients.

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 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 from the didactic presentations and report hour, students will participate in patient rounds at the Cedar Crest site. Medical students will be on call two to three times during the rotation.

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:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
N/A
### Description:
The PICU is a multidisciplinary unit providing acute care for pediatric patients with a wide variety of medical and surgical conditions. The PICU employs 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 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:
- Students are given the responsibility for patient care under the direct supervision of the PICU resident or attending physician.
- There will be didactic presentations on aspects of pediatric critical care medicine, and self-directed study on individual patients.

### 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.**
Description:
The PICU is a multidisciplinary unit providing acute care for pediatric patients with a wide variety of medical and surgical problems. The approach to patient care is based on 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 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:
Students are given the responsibility for patient care under the direct supervision of the PICU resident or attending physician. Daily patient care, as well as attending rounds, is provided. Didactic presentations on aspects of pediatric critical care medicine, and self-directed study on individual patients.

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:
**Students who select a 2 week rotation may only have 1 day of absence excused.**
Contact:

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, and growth parameters. Students will have the opportunity to participate in 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.

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

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<th>LVHN</th>
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<th>Paul, Adam</th>
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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 disease diagnosis and treatment
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, discuss the findings of the examination, and perform some outpatient procedures. These procedures are done at the Children’s Surgery Center located at 1210 S. Cedar Crest Blvd., 3rd floor on the Cedar Crest campus.

Patient Encounters:
Evaluations will be conducted on multiple aspects of patient care and clinical performance during the rotation.

Syllabus:

Visiting Students: Apply via Lehigh Valley Network on VSAS.

Special Instructions: N/A
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</tbody>
</table>
Contact:
Dr. McClenathan
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. Students will participate in the diagnosis and treatment of various disease processes including inflammatory bowel disease, lactose maldigestion, celiac disease, constipation, diarrhea, and rare gastrointestinal diseases. Students will assist in planning the diagnostic and therapeutic program for these patients.

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
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:
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. The student will be evaluated on faculty evaluations, attendance and overall performance.

Patient Encounters:
Evaluation:
The student 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
| Peds | MEL 8580 Pediatric Emergency Medicine | ACH | 1 - 11 | Pri Care or Mat Newborn | 0 | 44 | 4 | Rahma, Wassam | Clinical |
Description:
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 including the patient's diagnosis, treatment, and disposition. This varies from the initial patient encounter to consultation with consultants, inpatient management, and in the emergency room. Students will also attend radiology rounds, chart review, and monthly mock code scenarios designed to integrate with syllabus material.

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:
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 for the pediatric emergency department. This includes patient management, physical exam, work-up, discharge management, radiology rounds, chart review, plus monthly mock code scenarios designed to integrate with syllabus material.

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:
Description:
This 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:
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise.

Syllabus:

Visiting Students:

Special Instructions:
Please contact the department at least two weeks prior to starting elective.

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.**
Contact: Dale Bergamo
dbergamo@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: This elective in pediatric infectious disease is a clinical preceptorship with the Infectious Disease team.

Objectives:

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: 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:

Please contact the department at least two weeks prior to starting elective.

Transportation may be needed for travel between hospitals and clinics. Part of the elective will be held 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.**
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<tr>
<th>Peds</th>
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</table>
Contact: 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 patient encounters are held frequently. The student is expected to participate in weekly journal club, presenting an article each week.

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 of infectious and non-infectious illnesses.
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 necessity.
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.

Rotation Activities:
Students will join pediatric rounds each day with the Pediatric Infectious Disease team, including daily conferences, clinical cases, didactic lectures and interactive sessions. A short project or presentation is voluntary and up to the needs and interests of the student.

Patient Encounters:

Evaluation:
Students will be evaluated on multiple aspects of patient care and clinical performance during the rotation.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:
No night call is required.

**Students who select a 2 week rotation may only have 1 day of absence excused.
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<th>Peds</th>
<th>MEL 8583 Adolescent Medicine</th>
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Description:
This elective is designed to introduce senior medical students to the field of adolescent medicine. Students will be able to appreciate the unique medical and health needs of the adolescent population.

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
3. Understand the normal sequence of physical growth and psychological development during puberty
4. Perform a well adolescent physical and take on the role of primary care provider in working with adolescents
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, obesity, pregnancy, sexual activity, substance abuse, etc.
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
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 substance abuse problems in adolescents; and at a variety of other settings, learning about sports medicine.

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:

Syllabus:

Visiting Students:

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:
Dr. Justyna Wojas
jwojas@usf.edu
Dr. Tanya Murphy
tmurphy@usf.edu
Amber Berkham, Admin
aberkha4@jhmi.edu
rothmanctr@usf.edu
(727) 767-8230
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: This elective is designed to introduce senior medical students to the identification, evaluation, and treatment of children with psychiatric and behavioral disorders. The course will focus on common psychiatric disorders, including Autism spectrum disorders, and Autoimmune Neuropsychiatric Disorders associated with Streptococcal Infections (PANDAS).
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 for youth with psychiatric disorders. There are a number of clinical studies examining both psychopharmacology and therapeutic treatments for various diagnoses.

Patient Encounters:
Faculty observation and evaluation of student/patient interactions, case presentations, journal article discussions, 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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<td>T-VAH 11A</td>
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<td>0</td>
<td>40</td>
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<td>Sullivan, Gregory</td>
<td>Basic Science</td>
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Description: This course will be conducted in a seminar style fashion. Students will meet with faculty to review recent articles about dementia and related disorders. Topics will include underlying pathophysiology, genetics, diagnostic methods, treatment and prevention of dementia.

Objectives: At the end of the course students will be able to:

1. Discuss the latest models of how neuropathological protein misfolding occurring in the brain plays a role in the development of dementia along with other pathophysiology that leads to cognitive disorders
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 current recommendations for identifying these factors in clinical care
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 advances in the understanding of the development, diagnosis, and treatment of dementia. 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:

Visiting Students: No

Special Instructions: N/A
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<tr>
<th>Psych</th>
<th>MDE 8811 Integration of Brain Networks</th>
<th>T-VAH</th>
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<th>Kozel, Frank</th>
<th>Basic Science</th>
</tr>
</thead>
</table>

Click here for additional course information
Contact:
Pat Crump
pcrump@usf.edu
(813) 974-5368

Dr. Frank Kozel
(813) 972-2000 ext. 5289

Report to:
JAHVA Hospital
Building 68, Room 227
1:00 PM

Description: The course will provide a conceptual framework to think about brain disease following the Na... all students will be required to present a small conceptual paper on a topic of their choice related to course materials.

Objectives:
1. Discuss different classes of variables (or units of analysis) affecting behavior including gene...
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...

Rotation Activities:
Students will meet with course faculty and review selected articles. At the end of the course, all stude...

Patient Encounters:
N/A

Evaluation:
Students will be evaluated based on faculty evaluation of interaction, participation, peer eval...

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
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<th>Psych</th>
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<th>Clinical</th>
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</table>

**Contact:**

- **Pat Crump**
  - pcrump@usf.edu
  - (813) 974-5368

- **Dr. Cory Klippel**
  - Cory.Klippel@va.gov
  - (813) 457-0226 (Pager)
  - (863) 326-3000 (Cell)
  - (813) 972-2000 x6229

**Report to:**

- VAHVA Hospital campus
  - Room 1A-105J
  - 13000 Bruce B. Downs Blvd
  - Tampa, FL 33612

**Description:** This elective gives the student the unique opportunity to participate in the evaluation, diagnosis, and short-term treatment of patients in the emergency psychiatry setting. The student will work closely with the attending psychiatrist to develop a comprehensive treatment plan for inpatient or outpatient care. 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>
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<th>Psych</th>
<th>MEL 8109 Outpatient Psychiatry</th>
<th>UPC</th>
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<th>Stock, Saundra</th>
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</table>

**Contact:**

- **Pat Crump**
  - pcrump@usf.edu
  - (813) 974-5368
- **Dr. Saundra Stock**
  - sstock@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. Students will have the opportunity to develop the skills necessary to provide care in an outpatient psychiatric setting. In addition, learning opportunities for residents at 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, and when to refer each of these modalities.
4. Compare and contrast use of psychotropic medications in the outpatient and inpatient settings

**Rotation Activities:**

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 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 8109 outpt Psych Syllabus.pdf

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

SPECIAL INSTRUCTIONS:
Notify Pat Crump of any potential scheduling conflicts, such as precepting, exams, or interviews at least 4 weeks before the start of the rotation.

Contact:
Pat Crump
pcrump@usf.edu
(813) 974-5368

Dr. Saundra Stock
sstock@usf.edu
(813) 230-8422

REPORT TO: Child Development Center
7:50 AM on first day
3515 E. Fletcher Ave
Tampa, FL 33613

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<td>Stock, Saundra</td>
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This elective is designed to provide the interested student with an opportunity to develop diagnostic and management skills in the treatment of common psychiatric and behavioral disorders in children and adolescents. The primary focus is on the evaluation, diagnosis, and treatment of psychiatric and behavioral disorders in family medicine and pediatric practices.

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 children and adolescents.
2. Discuss the role of psychotherapy including individual and family therapy in the treatment of psychiatric disorders for youth.
3. Discuss legal and ethical aspects of psychiatric care for children and adolescents including informed consent, assent, and confidentiality in the outpatient setting.
4. List community agencies available to help children with psychiatric and behavioral problems.

Rotation Activities:

Students will see new and established patients and families in conjunction with psychiatry residents and faculty.

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:

MEL 8602 Child Psych Syllabus.pdf

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Notify Pat Crump of any potential scheduling conflicts, such as precepting, exams, or interviews at least 4 weeks before the start of the rotation.

Psych

MEL 8602 Child & Adolescent Psychiatry

LVH-M 1-3, 6-11

Yr 4 Status 1 0 44-50 4 Maru, Siddhartha Clinical
Contact: Siddhartha Maru
Siddhartha.Maru@lvhn.org
(484) 884-6503

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 in children and their families.

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, observe and participate in treatment planning and management of their patients' care. 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 Instructions: Prior approval of Drs. Gomez, Campion, and Martin required at least four months prior to the start of the elective.
MEL 8608 Memory Disorders Clinic

Click here for additional course information
Contact:
Pat Crump
pcrump@usf.edu
(813) 974-5368
Dr. Jean Fils
jfils@usf.edu

Report to:
USF Memory Disorders Clinic
Outpatient Psychiatry Center
3rd Floor, Room 317
3515 E. Fletcher Ave
Tampa, FL 33612
8:00 AM

Description:
This elective is designed to provide interested senior medical students with an advanced experience in the evaluation and management of patients with memory complaints and psychiatric disorders, with an emphasis on geriatric psychiatry and the differential diagnosis of patients with memory complaints and psychiatric disorders.

Objectives:
1. Become familiar with the multidisciplinary assessment of elderly patients
2. Develop specialized diagnostic skills for identifying and differentiating the multiple causes of dementia
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 caregivers

Rotation Activities:
The student will spend the majority of the elective at the Memory Disorders Clinic at the Psychiatry Center. The student will participate in clinical activities and patient encounters that focus on geriatrics, dementia, and related disorders. Supervision and seminars will complement these clinical activities.

Patient Encounters:
Dementia
Mild Cognitive Impairment

Evaluation:
The student's clinical performance will be evaluated by the supervising faculty according to the elective objectives. In addition, the student will be required to complete self-evaluation activities, a self-evaluation of what he/she learned on the elective, and a critique of his/her elective experience.

Syllabus:

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

Special Instructions:
N/A
Contact:
Pat Crump
pcrump@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 an advanced clinical and didactic training in inpatient psychiatry. Students will...

Objectives: By the end of the rotation students will:
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 in the inpatient setting (including considerations of various agents and possible medication interactions) and the necessary medical monitoring for these medications
6. Describe psychotherapy interventions for acutely ill patients including milieu management, crisis intervention, individual and family therapy.

Rotation Activities: Students will perform the history and physical for patients being admitted to the hospital and will follow the patient daily under their care. Students will participate in multidisciplinary team meetings. There is the opportunity to mentor 3rd 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:

AI Inpatient Syllabus.pdf

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Some rotations can accommodate 3 students. An additional spot can be requested via drop/add.
Contact: Siddhartha Maru

Siddhartha.Maru@lvhn.org

(484) 884-6503

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 examine various psychiatric conditions in greater depth while determining the best method of treatment for these conditions.

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 therapy.
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 and participate in all aspects of their patients' care. 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. In addition, the student will be required to prepare a written summary of the elective experience including a description of their activities, a self-evaluation of what the student learned in the elective, and a critique of his/her elective experience.

Syllabus:

Visiting Students:

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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<th>T-VAH</th>
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<th>44</th>
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<th>Fils, Jean</th>
<th>Clinical</th>
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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 and their families in a variety of settings. Evaluations of new and established patients will occur in conjunction with faculty.

Patient Encounters:
Evaluation:
The supervising faculty will evaluate the student’s clinical performance according to the elective objectives. In addition, the student will receive feedback on their performance and be encouraged to reflect on their progress.

Syllabus:

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

Special Instructions:
Part of the rotation will also be at the University Psychiatry Center.
Description:

This elective is designed to offer advanced experiences in the evaluation, treatment, and rehabilitation of alcoholic and drug dependent patients. The student will have the opportunity to participate in ongoing addiction research activities.

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 patient.
3. Discuss how to facilitate rehabilitation of chemically dependent patients.
4. Identify community resources for chemically dependent patients.

Rotation Activities:

Students will see 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. In addition, a self-evaluation of what the student learned in the elective, and a critique of his/her elective experience.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Contact:

Pat Crump
pcrump@usf.edu
(813) 974-5368
Dr. Mildred Barnett
Mildred.Barnett@va.gov
(813) 631-2527

Report to:

JAHVA Hospital Outpatient Psychiatry Clinic
1077 N. 46th Street Bldg E
Tampa, FL 33617
<table>
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<th>44-50</th>
<th>2.4</th>
<th>Hartney, Kimberly</th>
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</table>

**Contact:**
Pat Crump  
pcrump@usf.edu  
(813) 974-5368  
Dr. Kimberly Hartney  
(941) 276-3759

**Report to:**  
Tampa General Hospital  
2nd Fl  
7:30 AM  
(813) 844-7545 or (813) 844-7950

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 medical/surgical subspecialties. The course will engage students in the care of patients with psychiatric and neurologic illnesses, dementia, and other organic illnesses with a heavy focus on the interface of psychiatry in the medically ill.

**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 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:
- 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: syllabus AI - CL Psychiatry.pdf

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

Special Instructions: N/A

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</table>

Contact:
Pat Crump
pcrump@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

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. 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 medical teams

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:
The 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:
syllabus AI - CL Psychiatry.pdf

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

Special Instructions:
N/A
Contact: Siddhartha Maru

Siddhartha.Maru@lvhn.org

(484) 884-6503

Report: 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 other medical disciplines. Students will learn about psychiatric diagnoses such as 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:
No

Special Instructions: Prior approval of Dr. Martin required at least four months prior to the start of the elective.
MEL 8626 Neurostimulation in Psych

Contact:
pcrump@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

Report to:
Memorial Hospital
2901 W. Swann Avenue, Tampa, FL 33609
Go to the main entrance and text Dr. Fernandez when you arrive.

Description:
This elective is designed to introduce senior students to the use of various forms of neural stimulation in the treatment of psychiatric disorders. Students will gain 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
5. Evaluate new patients for suitability for deep brain stimulation, transcranial magnetic stimulation, and electroconvulsive therapy
6. Participate in the treatment of patients with electroconvulsive therapy, transcranial magnetic stimulation, and deep brain stimulation

Rotation Activities:
Students will see patients at the James A Haley Neurotherapies Clinic, Memorial Hospital, and other related settings. They will learn about the indications for each form of neurostimulation, selection of appropriate patients, and the implementation of neurostimulation treatment plans.
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:
Reading from Pat Crump before the rotation starts. Part of the rotation will occur at Memorial Hospital.
Description:
The elective is designed to enable the advanced student to become acquainted with the methodologies of behavioral medicine and psychiatry. The student will be involved in original research in a topic of their choice under the supervision of the research supervisor. This will involve reviewing the literature related to the chosen topic, developing a research protocol, collecting and analyzing data, and eventually writing a scholarly paper. This experience will culminate in a comprehensive research project that will be evaluated by the research supervisor.

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:
Activities will be 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. This will include a written critique provided by the student at the end of the rotation.

Syllabus:

Visiting Students:
No

Special Instructions:
Prior approval from the Associate Chief of Staff for Mental Health and Behavioral Sciences is required. For T-VAH contact Dr. Glenn Catalano at least 4 weeks before the start of the rotation.
Contact:

Pat Crump
pcrump@usf.edu
(813) 974-5368

Stephen Strenges
Assistant to Dr. Glenn Currier (Department Chair)
(813) 974-7853

Report to:
8:00 AM
3515 E. Fletcher Ave
Tampa, FL 33613

Description:
The elective is designed to enable the advanced student to become acquainted with the methodologies of behavioral medicine. The student will conduct a research project under faculty supervision and review and will evaluate the literature that pertains to his/her chosen topic.

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 and medicine

Rotation Activities:
Activities will be 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. The student will provide a written critique of the 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) 974-7853 to make an appointment with the chair.
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Kowal, Alexander  Clinical

Externship

Indep Study
**Description:**
This elective is designed to allow a medical student to work closely with an attending pediatric radiologist in a busy pediatric radiology department. The student will gain one-on-one didactic and practical experience and training in the correctly ordering, protocoling, and interpreting pediatric radiographic examinations with attending radiologists and the use of audio-visual aids including online pediatric radiology teaching files and courses.

**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, and interpretation of pediatric radiographic examinations, including plain films, mammograms, dental x-rays, and nuclear medicine when applicable to the pediatric patient. The rotation will include interdepartmental conferences.

**Patient Encounters:**
Students will be evaluated based on feedback from the various attending radiologists who interact with them.

**Syllabus:**

**Visiting Students:**
No

**Special Instructions:**
N/A
MDE 8771
Radiological Anatomy

Click here for additional course information
Description: This elective is designed to provide students with a self-study program in radiological anatomy. It includes 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 in 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 in different medical imaging modalities.

The final examination will be on the last day at the Tampa campus testing center (proctored). Arrangements can be made for students who are unable to travel to Tampa 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:
Available on Canvas

Visiting Students:
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 re.
<table>
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<tr>
<th>Radiology</th>
<th>MDE 8772 Breast Imaging</th>
<th>MCC</th>
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Description:
This elective is designed to introduce senior medical students to the role and practice of breast imaging. Students will develop a better understanding of breast imaging principles, the role of imaging in breast diagnosis, and how imaging relates to breast disease management.

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 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 conference.
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. Patients may be involved in breast imaging studies intended for publication, assisting in data collection and/or analysis, and authoring or co-authoring original research.

Patient Encounters:
The student will work closely with the attending radiologists who will provide the assessments.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
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</table>

Description:

The two-week elective is designed specifically for third year medical students to provide an introduction to various fields of radiology. The elective aims to enhance understanding of diagnostic imaging and its applications. Students will learn the complexities of diagnostic imaging, types of studies available, and the information they provide. They will gain insight into the clinical indications for obtaining imaging studies, the risk/benefit considerations associated with radiologic procedures, and the technical aspects of performing examinations. Additionally, students will develop an understanding of the differences and interactions among diagnostic imaging specialties and how they operate within modern radiologic and medical practice.

Objectives:

1. The medical student will develop an appreciation of the complexity of diagnostic imaging and the types of studies available, including 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: acute stroke, hemorrhage, brain edema, increased intracranial pressure, space occupying lesions, bone fractures, elbow joint effusion, and shoulder dislocation.

Rotation Activities:

Attend weekly lectures, participate in rotation assignments, present cases, and attend conferences.

Patient Encounters:

Students are evaluated based on daily attendance, skills in presenting an imaging case, and a written evaluation at the end of the course from each rotation week.

Syllabus:

Uploaded to Canvas

Visiting Students:

Visiting students are subject to availability and will require prior approval of the director. During the week on interventional radiology, there may be additional requirements/activities that can be found in the IR Expectations Document. Please review these possible requirements before requesting the elective.
**Course Information:**

**Radiology:** MEL 7701 Neuroradiology

**Contact:** Destiny McArthur, Medical Education Specialist

dmcarthur@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 neuroradiology, including computed tomography (CT), magnetic resonance imaging (MRI), cerebral angiography (CTA), and magnetic resonance angiography (MRA). Students will have the opportunity to attend neuroradiology lectures and multidisciplinary conferences at Tampa General Hospital.

**Objectives:**

- An understanding of the indications for advanced neuroimaging (CT, MRI, CTA, MRA)
- A fundamental understanding of basic neuroimaging with respect to pertinent normal anatomy
- The ability to categorize and organize subdivisions of neuroimaging such as cerebrovascular, neoplasms, infection, etc.
- The ability to discuss the most common neuropathologic entities
- 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 University of South Florida (USF) and Tampa General Hospital (TGH). This will include attending neuroradiology lectures and multidisciplinary conferences at both institutions. Students will also have the opportunity to participate in neuroradiology conferences and review cases with neuroradiology faculty and diagnostic radiology housestaff.

**Patient Encounters:**

Students will have the opportunity to review neuroimaging studies with neuroimaging faculty and diagnostic radiology housestaff at the USF and TGH. They will also have the opportunity to attend neuroradiology lectures and multidisciplinary conferences at both institutions. Students will participate in neuroradiology conferences and review cases with neuroradiology faculty and diagnostic radiology housestaff.

**Evaluation:**

Students are evaluated based on daily attendance and by a written evaluation at the end of the course.

**Syllabus:**

None

**Special Instructions:**

Visiting Students: No

Students are responsible for contacting the course director within the first 3 days of the rotation.
MEL 7703
Interventional Radiology

Click here for additional course information

Contact: McArthur
Medical Education Specialist
dmcarthur@usf.edu

Report to: TGH J342 Office
Dr. Davis/Dr. Zwiebel

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 and to help the student develop the technical skills necessary to perform the above methodologies. Preventive measures and their realistic place in the therapeutic armamentarium available for patient care.

Rotation Activities:
1. Attend and assist in IR Clinic at least twice
2. Perform Consults
3. Assist in cases in the IR suites
4. Attend Lectures and Conferences

During this elective, a project will be undertaken under the supervision of one of the instructors. More information on this and the above rotation activities can be found in the IR Expectations Document.

Patient Encounters: Attendance form and evaluation by the Attending will be used to measure grade.

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

Special Instructions: N/A
Description:
This elective experience is designed to introduce the medical student to diagnostic, therapeutic and palliative interventions. Students will gain knowledge about a wide range of interventional radiologic procedures, identify the role of disease specific image guided interventions, gain knowledge on patient evaluation/candidacy, image guided techniques, and post procedural management. Students will also understand the multidisciplinary options for cancer patients.

Objectives:
1. Gain knowledge about a wide range of interventional radiologic procedures
2. Identify the role of disease specific image guided interventions
3. Gain knowledge on patient evaluation/candidacy, image guided techniques, and post procedural management.
4. Understand the multidisciplinary options for cancer patients

Rotation Activities:
The student will have additional opportunities to participate in multidisciplinary conferences and residency curriculum meetings. During this elective, a project will be undertaken under the supervision of one of the instructors.

Patient Encounters:
Evaluation criteria include attendance, quality of comprehension, and clinical performance in patient care.

Suggested Literature:
Handbook of Interventional Radiologic Procedures – Kandarpa

Visiting Students:
No

Special Instructions:
N/A
| Radiology | MEL 7710 Musculoskeletal Imaging | MCAH 2-11 | Yr 4 Status | 2 | 0 | 40 | 2.4 | Prakash, Neel | Clinical |

Click here for additional course information

**Contact:**

*Medical Education Specialist*

dmcarthur@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 conventional radiographic and advanced imaging modalities such as ultrasound, CT, arthrography, and MRI. Students will have the opportunity to observe musculoskeletal imaging 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 rheumatology, 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 and housestaff at the USF, Tampa General Hospital, and the H. Lee Moffitt Cancer Center. Students will participate in didactic and conference sessions focusing on the interpretation of musculoskeletal imaging studies.

**Patient Encounters:**

The student will work closely with the attending musculoskeletal radiologists and housestaff.

**Evaluation:**

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:**
Radiology
MEL 8704 Diagnostic Radiology

Click here for additional course information

Contact:
Destiny McArthur
Medical Education Specialist
dmcarthur@usf.edu

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

Description:
This elective is designed to provide an introduction to diagnostic radiology for medical students to develop basic knowledge of important pathology and to provide a foundational knowledge of imaging algorithms for common clinical presentations.

Student will spend three weeks at Tampa General Hospital and one week at the Morsani Center for Advanced Healthcare on the USF campus.

Objectives:
1. Students will develop a basic understanding of radiation safety and the risks of radiation exposure to patients, and become familiar with methods used to reduce radiation exposure.
2. Students should be able to choose the radiologic test that is most appropriate for the most common clinical presentations encountered in medical practice.
3. Regardless of their planned specialty, students should be able to recognize the following conditions on appropriate radiographs: meningioma, brain tumor, increased intracranial pressure, space occupying lesions, bone, fracture, elbow joint effusion, and shoulder dislocation.

Rotation Activities:
The student will rotate through the following subspecialty areas of diagnostic radiology: body imaging, cardiopulmonary imaging, musculoskeletal radiography, computed tomography, and magnetic resonance imaging. A final exam will be given at the end of the elective.

Patient Encounters:
Evaluation:
The student will work closely with attending diagnostic radiologists and housestaff who will provide assessment of medical knowledge and image interpretation.
The final exam is given on the last day of the elective on the Tampa campus in the testing center.

Syllabus 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.
Radiology
MEL 8704 Diagnostic Radiology

Contact: 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 one of the radiologists throughout the day. The student can also choose to spend more time in a particular area of interest if requested.

Objectives:
1. Students will develop an appreciation of the broad services a modern diagnostic radiology department provides, including plain film, 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 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, musculoskeletal, oncology, pediatric, interventional, and nuclear medicine. By day four 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:

Special Instructions:

LVH-CC 1 -11 Yr 4 Status 2 0 40-44 2.4 Kowal, Alexander Clinical
**Description:** This elective is designed to introduce senior students to the practice of cardiac and pulmonary imaging, including an understanding of the role of imaging and diagnostic procedures in disorders of the heart, mediastinum, pleura, airways, and lungs.

**Objectives:**
1. An understanding of the indications for advanced cardiothoracic imaging (HRCT of the lungs, CTA of the heart and lungs, and cardiovascular MRI).
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 in the chest.

**Rotation Activities:**
The student will review cardiothoracic imaging studies with faculty and diagnostic radiology housestaff at Tampa General Hospital to develop an understanding of imaging diagnosis of chest diseases on radiography, computed tomography, and magnetic resonance imaging.

**Patient Encounters:**
The student will work closely with the attending radiologists and housestaff who will provide an understanding of the role of imaging and diagnostic procedures in disorders.

**Evaluation:**
The student will work closely with the attending radiologists and housestaff who will provide an understanding of the role of imaging and diagnostic procedures in disorders.

**Syllabus:**

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

**Special Instructions:**
N/A
Description:
This elective is designed to introduce senior students to the practice of abdominal imaging, including ultrasound, computed tomography (CT), and magnetic resonance imaging (MRI). Students will gain an understanding of the role of cross-sectional imaging and diagnostic procedures in disorders of the abdomen and pelvis.

Objectives:
The senior medical student will obtain:
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

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. This will include learning to interpret imaging studies in the context of clinical presentations.

Patient Encounters:
The student will work closely with the attending radiologists and housestaff who will provide feedback and assessment of performance.

Evaluation:
The student will work closely with the attending radiologists and housestaff who will provide assessment of performance based on attendance, participation, and written evaluation.

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 Specialist
dmcarthur@usf.edu

Report to:
Will be provided one week prior to the start of the rotation.
<table>
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<tr>
<th>Radiology</th>
<th>MEL 8711 Body Imaging</th>
<th>TGH</th>
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</table>

Contact:

Medical Education Specialist
dmcarthur@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 elective will provide an understanding of the role of cross-sectional imaging and diagnostic procedures in disorders of the abdomen and pelvis.

Objectives:

On this elective, the senior medical student will obtain:

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

Rotation Activities:

- Review body imaging studies with faculty and diagnostic radiology housestaff
- Attend didactic sessions and case presentations

Patient Encounters:

The student will work closely with the attending radiologists and housestaff who will provide patient care.

Evaluation:

The student will work closely with the attending radiologists and housestaff who will provide the assessment of performance based on attendance, participation, and written evaluation.

Syllabus:

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

Special Instructions:

- N/A
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</table>
Surgery

MDE 8605
Vascular Surgery Elective

LVH-CC 1-11 Yr 4 Status 1 0 60-70 4 Ju, Mila Clinical

Call Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report 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 disease. 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 disease

Rotation Activities: The student is expected to function on a team with residents and attending surgeons. This service generates an active learning environment. The student will become familiar with work in the Non-Invasive Vascular Laboratory and Interventional Radiology.

Patient Encounters:

Evaluation: Students will be evaluated based on their ward performance and oral examination.

Syllabus:

Visiting Students: No

Special Instructions: N/A
Contact: Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report will be 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. A basic understanding of the division personal goals as 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 involved in post-operative care of this patient base. It is recommended that the student discuss personal goals with the chief of the division before starting the course.

Patient Encounters:

Evaluation:
Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:
Discuss personal goals with chair prior to start of rotation.
<table>
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</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 service is oriented to trauma, facial, hand, cancer and cleft-palate surgery as well as reconstructive and cosmetic surgery. Valley Health Network is also provided. 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 with pathophysiology and disease states. Additional experiences are available in the regional burn center.

**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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</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: Students will participate in a busy service with colon-rectal surgery residents. This rotation addresses common colorectal diseases arising from systemic disease. The student will participate in 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.

Syllabus:

Visiting Students:

Lehigh Valley Network on VSAS.

Special Instructions:
| MDT 8600 Adv Surg Anat /Pathophysiology | Yr 4 Status | Sanchez, Jaime | Basic Science |
Description: This course is specifically designed to prepare students for surgical internship with a focus on the basic principles of general surgery. Anatomic dissections will take place at the medical school gross anatomy lab.

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. Recognize and understand the treatment of immediate life threatening conditions in the post operative patient.
5. Recognize and treat common physiologic derangements and basic complications in the post operative patient.

Rotation Activities: Didactics in AM, Anatomy lab in PM.

Patient Encounters:

Evaluation: Students must successfully complete each component of the course in order to receive a passing grade. The evaluation will include:

Laboratory - 60%
Weekly Quizzes - 20%
Post test - 20%
Total - 100%

Syllabus:

Visiting Students:

Special Instructions:

Contact: Margaret Child
mmchild@usf.edu

Schedule will be provided one week prior to the start of the rotation via Canvas and email.

Report to:
Surgery

MDT 8600B Intro to Surg Subspecialties

Contact: Margaret Child

mmchild@usf.edu

Report to: Chief resident contact information will be provided one week prior to the start of the rotation.

Description: This elective provides the student the opportunity to participate in hands-on care of surgical patients during rounds, in addition to participating in conferences, didactic lectures and other teaching opportunities. In addition, participation in conferences, didactic lectures and other teaching opportunities will be available.

Objectives: To give third year medical students exposure to surgical subspecialties they might not experience elsewhere.

Rotation Activities: Operating room, clinic, and rounds

Patient Encounters: Evaluation:

Evaluation will be based on clinical performance based by direct observation.

Syllabus:

Visiting Students: No

Special Instructions: N/A
Contact:
Hailee Hall
USF Plastic Surgery Residency Coordinator
haileehall@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. Students observe various stages of care 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 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: N/A
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 including evaluating and treating them 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 as appropriate. Students will gain experience in evaluating, diagnosing and managing patients with a variety of surgical procedures and disease states. Additional experiences are available in the regional burn center.

Patient Encounters:

Evaluation: will be completed by direct observation. There will be no examination.

Syllabus:

Visiting Students: Lehigh Valley Network on VSAS.

Special Instructions: N/A
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<th>Clinical</th>
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</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: Students electing this course will work with the residents and faculty at LVHN Cedar Crest. Students will see patients at LVHN Lehigh Valley Women’s Hospital, LVHN Main Campus, and the Trauma Center. Students will also participate in the care of patients who have injuries from blunt and penetrating trauma. They will assess and treat patients who present with GI bleeding. In addition, students will participate in the care of patients that have blunt and penetrating trauma.

Objectives:
1. Obtain a basic understanding of ATLS
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 assessment, resuscitation, critical care, and post-operative aspects of the surgical patients. At least a 1-week rotation on nights will be required.

Patient Encounters:

Evaluations: 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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Contact: Margaret Child
mmchild@usf.edu

Report to: Chief residency contact information will be provided one week prior to the start of the rotation.

Description: This clinical elective affords the students an in-depth experience in total patient management as an acting intern on a trauma service. The student is expected to function as an intern. Responsibility will vary with the ability of each student.

Objectives:
1. To expose the senior student to the role of a surgical intern
2. To 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:
Attendance will be required at Grand Rounds, Morbidity, and Mortality Conference, and various other conferences. As a surgical intern, the student will be expected to assist in the critical care and post-operative aspects of the surgical patients. At least 2 overnight weekend calls are required.

Patient Encounters:

Evaluation:
Students will be evaluated based on their clinical performance.

Syllabus:

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

Special Instructions:
N/A
Advanced Surgical Skills

Click here for additional course information

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. This course is designed to prepare students for entering first year clinical experiences in surgical fields. Students will be taught basic laparoscopic skills, chest tube placement, central line placement, airway management and basic robotic skills.

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:
Patients will be evaluated based on their clinical performance and 1-2 oral presentations.

Patient Encounters: Designed to prepare students for entering first year clinical experiences in surgery.

Evaluation: Students will be evaluated based on their clinical performance and 1-2 oral presentations.

Syllabus:

Visiting Students: No

Special Instructions: N/A
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**Description:**
This four-week elective is geared towards developing the surgical skills medical students entering a surgical internship need. Students will be able to identify and understand the management of surgical problems and be able to complete basic surgical procedures.

**Objectives:**
1. Complete common surgical procedures using simulators and prosections
2. Develop skills that will be needed during the first weeks of residency, such as being the first responder for emergent surgical problems and identifying and managing abnormalities, management of common and urgent perioperative conditions, interpreting radiographs, operative anatomy
3. Establish the fundamentals of basic perioperative care of the surgical patient
4. Demonstrate proficiency in basic suturing and knot tying techniques
5. Develop an effective strategy for self-directed learning
6. Demonstrate understanding of the basics of wound care and management

**Rotation Activities:**
- Didactics and simulation sessions at CAMLS

**Patient Encounters:**

**Evaluation:**
Students will be evaluated based on laboratory performance, a final simulation exam, and attendance.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**
N/A

Contact:
Margaret Child
mmchild@usf.edu

Report to:
Schedule will be provided one week prior to the start of the rotation via Canvas and email.
<table>
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<th>MEL 7819</th>
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**Contact:**
Margaret Child  
mmchild@usf.edu

**Report to:**
Chief resident contact information will be provided one week prior to the start of the rotation.

**Description:**
This elective is designed to offer students active participation in organ procurement, preservation of kidneys and livers, 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 and LifeLink Transplantation to gain 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, which includes 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
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 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 management of rejection and infection in these patients, which includes 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
**Description:**
This is a clinical rotation that includes graded responsibility, as well as regular formal instruction in techniques of monitoring and management of the critically ill surgical patient.

**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.

**Rotation Activities:**
Inpatient rotation assisting a dedicated team provide surgical critical care to patients with critical illnesses. Focus on the application of 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:**
Apply via Lehigh Valley Network on VSAS.

**Special Instructions:**
N/A
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<td>Students will participate in clinical care involving the Vascular Surgery Service. The student will work closely with the Vascular Surgery team in the operating room and clinics. Interpretation of physiologic data relative to angiographic findings and clinical symptoms will be emphasized.</td>
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<td>Objectives:</td>
<td>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.</td>
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<td>Evaluation:</td>
<td>Students will be evaluated based on their ward performance and oral examination.</td>
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</tbody>
</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: Students will participate in the preoperative, intraoperative and postoperative care of patients with vascular disease. The rotation will focus on the preoperative assessment and decision for operative intervention.

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: Students will participate in clinical care involving the Vascular Surgery Service. The student will work closely with the attending staff and will be introduced to the techniques of vascular imaging, including duplex ultrasound, computed tomography angiography, and magnetic resonance angiography.

Patient Encounters:

Evaluations: Students will be evaluated based on their ward performance and oral examination.

Syllabus:

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

Special Instructions: N/A
Description:
This clinical elective affords the students an in-depth experience in total patient management as an acting intern on a surgical service. The student is expected to function as an intern. Responsibility will vary with the ability of each student.

Objectives:
1. To expose the senior student to the role of a surgical intern
2. To 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:
Attendance will be required at Grand Rounds, Morbidity, and Mortality Conference, and various other conferences. The student will spend one day per week in the Operating Room. The student will be required to take at least 2 overnight weekend calls.

Patient Encounters:

Evaluation:
Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students:
Visiting Students will be evaluated based on their ward performance.

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

Special Instructions:
N/A
Surgery MDI 8600 Gen Surg Acting Internship

Click here for additional course information

Contact: Margaret Child
mmchild@usf.edu

Report to:

Description: This clinical elective affords the students an in-depth experience in total patient management as an acting intern on a general surgery service. The student is expected to function as an intern. Responsibility will vary with the ability of each student.

Objectives:
1. To expose the senior student to the role of a surgical intern
2. To 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:
Attendance will be required at Grand Rounds, Morbidity, and Mortality Conference, and various other conferences. The student will be required to function as an intern. Operating room experience will also be extensive. Students are required to take at least 2 overnight weekend calls.

Patient Encounters:

Evaluation:
Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students:

Special Instructions:
N/A

Sanchez, Jaime
Clinical
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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:** Students may choose to participate on several services. On these services, the student is expected to function as an active participant in total patient management so that these responsibilities may be assumed with confidence in the internship year.

**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. Operating room experience will also be extensive.

**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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</tbody>
</table>

**Click here for additional course information**

**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 Department of Urology provides comprehensive, urologic patient-oriented care with concern for quality of life and strives for 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 and surgeons. Students will present a case to the weekly conference for urology residents and faculty during the last week of the rotation.

**Patient Encounters:**

**Evaluation:**
Students will be evaluated based on their ward performance and oral examination.

**Syllabus:**

**Visiting Students:**
No

**Special Instructions:**
N/A
Contact:

Eleni Spirou
espirou@usf.edu

Dr. Justin Parker
jparker1@usf.edu

Report to: 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 an emphasis on clinical skills, 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 students at the James A. Haley VA and Tampa General Hospital. 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 clinical skills related to urological disease at the weekly educational conference for urology residents and faculty prior to the completion of their rotation.

Patient Encounters:

Evaluation:
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:
N/A