2020-2021 Electives Catalog

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](https://secure.jotformpro.com/form/40904101972953)
2. Complete the State of Pennsylvania Criminal Clearances in CERTIPHI.
4. Please sign and email copies of the following forms to: medicalstudents@lvhn.org
5. 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 4/27/20 - 01/31/21**

1. Drop/add requests must be submitted at least **one month** in advance of the rotation.
   - Click Related Actions
   - Click Submit Drop Add Request
   - Select your track
   - Scroll down to view your Eligible Courses to Drop. Click the plus sign (+) to the left of the course. If you make a mistake, you can click the red (x) to the right of the course.
   - Select the Period.
   - Begin typing the desired course in the Course field
   - (Optional) Select a Site
   - Find your course and click the plus sign (+) to the left
   - Click Submit
3. To view your completed requests in Archivum
   - Click Academic Profile
   - Click 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.
**Department**

Anat

**Course**

BMS 8187
Advanced Human Anatomy

**Site**

USFMS

**Periods**

1, 3 - 11

**Pre-req**

None

**Max Enroll**

No Limit

**Min Enroll**

0

**Hours/Wk**

44

**Weeks**

2, 4

**Faculty**

Bharadwaj, Srinivas

**Type**

Basic Science
Advanced Anatomy

Description:
Advanced anatomy is an elective course designed to provide prospective students with an opportunity to review anatomical concepts specifically pertinent 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 processes.
5. Develop experience and demonstrate competence in dissection/prosection techniques.
6. Develop in depth understanding of three-dimensional presentations of anatomy through prosection.
7. Develop the ability to work independently and responsibly, and interact with peers and faculty.
8. Self-assess and communicate to peers and faculty their understanding of Anatomy.
9. Engage in teaching through interactive laboratory settings.

Rotation Activities:

Patient Encounters:
N/A

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

Syllabus:
Elective Syllabus 8187.pdf

Visiting Students:
No

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

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

Description: Applied Head and Neck Anatomy is an elective course designed to provide prospective students with an opportunity to learn about the anatomy of the head and neck and its relevance to surgical and 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 processes.
5. Develop experience and demonstrate competence in dissection/prosection techniques.
6. Develop in-depth understanding of three-dimensional presentations of anatomy through prosection.
7. Develop the ability to work independently and responsibly, and interact with peers and faculty.
8. Self-assess and communicate to peers and faculty their understanding of Anatomy.
9. Engage in teaching through interactive laboratory settings.

Rotation Activities:

Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions: SonoSim modules can be completed online. Periods 8-10 are offered as hands-on rotations.

| Anat | USFMS | USFMS | None | No Limit | 6 | 40 | 2 |
MDE 8522
Applied Anat
of the MSK System

Lopez Cardona, Hector
Basic Science
Description: Applied Anatomy of Musculoskeletal System is an elective course designed to provide prospective students with an in-depth study of anatomy as it relates to surgical and other clinically relevant disciplines.

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 processes.
5. Develop experience and demonstrate competence in dissection/prosection techniques.
6. Develop in-depth understanding of three-dimensional presentations of anatomy through prosection.
7. Develop the ability to work independently and responsibly, and interact with peers and faculty.
8. Self-assess and communicate to peers and faculty their understanding of Anatomy.
9. Engage in teaching through interactive laboratory settings.

Rotation Activities:

Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions: SonoSim modules can be completed online. Periods 8-10 are offered as hands-on rotations.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
<th>Duration</th>
<th>Prerequisites</th>
<th>Rotation Activities</th>
<th>Patient Encounters</th>
<th>Evaluation</th>
<th>Syllabus</th>
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<tbody>
<tr>
<td>MEL 9999A</td>
<td>Indep Study - Anatomy</td>
<td>1 - 11</td>
<td>None</td>
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<td>MDE 8700</td>
<td>Anesthesiology Elective</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.

Rotation Activities: Medical students are expected to make preoperative rounds with the anesthesiology staff on patients scheduled for procedures. 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:

Special Instructions:

N/A
Anesthesia Elective

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 to prepare them for their future careers.

Objectives:
The primary objective of this course is to introduce the student(s) to the practical/hands on approach to anesthesiology. The course emphasis will be tailored to the medical specialty the extern expects to enter and the skill set of the student.

Rotation Activities:
Medical students are expected to make preoperative rounds with the anesthesiology staff on patients scheduled for surgery. 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. Students will be exposed to 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. A portion of the students will spend a day in the Operating Room with the anesthesiology staff. 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:

| Anesth | MEL 7320Z Internship - Anesthesiology | EXT 1 - 10 | Yr 4 Status | No Limit | 0 | 44 | 4 | Klein, Malcolm | Externship |
Contact: 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 and 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, paroxysmal supraventricular tachycardia, ventricular tachycardia, right bundle branch block, 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 with the cardiac status. Students will also participate in daily teaching rounds with intern, medical resident, cardiology fellow, and teaching cardiologist.

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>
<thead>
<tr>
<th>Card</th>
<th>MDE 8224 Consultative Cardiology</th>
<th>TGH</th>
<th>1 - 11</th>
<th>Adult Med, Pri Care</th>
<th>2</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Prida, Xavier</th>
<th>Clinical</th>
</tr>
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</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 Cardiology Consultative elective rotation is an experiential patient based rotation with integration of didactic and clinical knowledge that is relevant to concurrent patient management. Team science will be a coincidently experienced and learned.

At the completion of the rotation it shall be expected that a face to face “360” between learner and teacher(s) will be expected that a face to face “360” between learner and teacher(s) will be accomplished to discuss and review 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 system that are relevant to the consultative request
3. Practice and refine the 5-point cardiovascular exam physical findings- general physical findings, interpretation of cardiac auscultation, 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 including chest X ray, CT scan, PET 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 pertains to the major burden of cardiovascular diseases 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 applied to the role of inpatient telemetry. This will, when necessary, provide for collaboration with advanced electrophysiologic services.
8. Participate in an environment of inquiry (including psychological safety) for the development of research questions and projects that may provide for future professional training and research endeavors in cardiovascular diseases
9. Develop the communication and cooperation skills for collaborative care with the requesting service and other sub-specialty services (Critical Care Medicine, Infectious Diseases, etc.)
10. Recognize the need for ongoing management of patients with multiple co-morbidities and the timeliness of continuity of care and/or withdrawal from the care path of individual patients.

Rotation Activities:

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

Patient Encounters:

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

Syllabus:

Visiting Students:

Visiting Students:

Special Instructions:

N/A
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<tr>
<th>Card</th>
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<th>Leonelli, Fabio</th>
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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 Cardiology Consultative elective rotation.

Description:
The Cardiology Consultative elective rotation is an experiential patient based rotation with integrative didactics that will impart knowledge that is relevant to concurrent patient management. Team science will be a coincidently experienced and learned.

At the completion of the rotation it shall be expected that a face to face “360” between learner and teacher(s) will be expected. After a comprehensive evaluation of 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 distinguish 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, nuclear scanning, and invasive testing including cardiac catheterization with associated hemodynamic and angiographic findings.
6. Provide differential diagnosis and understand the classification of disease states that pertain to the major burden of cardiovascular 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 interface with the primary inpatient telemetry. This will, when necessary, provide for collaboration with advanced electrophysiologic services.
8. Participate in an environment of inquiry (including psychological safety) for the development of research questions and projects that may provide for future professional training and research endeavors in cardiovascular diseases.
9. Develop the communication and cooperation skills for collaborative care with the requesting service and other sub-specialty services (Critical Care Medicine, Infectious Diseases, etc.)
10. Recognize the need for ongoing management of patients with multiple co-morbidities and the timeliness of continuity of care and/or withdrawal from the care path of individual patients.

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

Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions:
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<th>LVHN</th>
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<td>Click here for additional course information</td>
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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 and teaching cardiologist. Attendance at various other weekly Cardiology Department teaching conferences is required.

Objectives:
1. Demonstrate the knowledge and skills necessary to obtain a proper cardiac history. The student will pay special attention to and record medications, medication compliance, diet compliance, and risk factors for various cardiac diseases.
2. Demonstrate proficiency in proper bedside physical examination.
3. Be able to accurately assess the presence or absence of congestive heart failure, cardiac tamponade, basic murmurs of mitral stenosis and regurgitation, aortic stenosis and regurgitation, and 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, atrial flutter, atrial 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.
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 and teaching 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:
Contact:
Laura 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:
Upon completion of this elective, the student will be able to conduct a full dermatologic examination and will be able to communicate with the Dermatology residents. Periods 2, 3 and 4 are reserved for students applying to dermatology residency programs.

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

The students will rotate through the following clinics in dermatology:

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

Additionally, the students will be provided didactics on the fundamentals of dermatology and

Patient Encounters:

Evaluation: Case Presentation to be made at a morning Resident Conference. Student progress

Syllabus:

Handbook with general information about clinic duties and expectations (i.e., dress code, con

Visiting Students:

USF Health Morsani College of Medicine on VSAS.

Special Instructions:

<table>
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<tr>
<th>Derm</th>
<th>MDE 8536 Elective in Dermatopathology</th>
<th>USFMS 8 - 11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>40-44</th>
<th>4</th>
<th>Rodriguez-Waitku s, Paul</th>
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Description: This course is designed for students interested in expanding their knowledge of dermatopathology. Students will receive hands-on instruction in the diagnosis of primary and secondary dermatologic lesions through daily conferences and the examination of biopsies. The course will also include lectures on the histopathology of skin diseases and cancers, as well as practical sessions on the use of specialized staining techniques.

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

Rotation Activities:
- Attend dermatopathology conferences twice a week.
- Invited to attend the “Dermatopathology Consensus Meeting” with all dermatopathologists from USF, MCC, and 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 and residents in dermatopathology.

Syllabus:

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

Special Instructions: N/A
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.

Contact: Laura Cessna

lcessna1@usf.edu

(813) 974-3070

Report to: Morsani Center for Advanced Healthcare
13330 USF Laurel Drive
Tampa, FL 33612
Dermatology, 6th Floor
Rotations:
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:
Handbook with general information about clinic duties and expectations (i.e., dress code, con.

Visiting Students:
No

Special Instructions:
N/A

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<th>Derm</th>
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<tr>
<td>Emerg Med</td>
<td>MDE 8714 Intro to Medical Toxicology LVHN 2 - 5, 7 - 11 Yr 4 Status 1 0 40 4 Cook, Matthew Clinical</td>
</tr>
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</table>
Contact: Dawn Yenser
Dawn.Yenser@lvhn.org
(484) 884-2489

Report to: Provided one week prior to the start 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. Understand the 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.
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.
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 to write a review paper for publication is encouraged and is available by arrangement in advance of the rotation.

Patient Encounters:

Evaluation:

1. Case study preparation will be assessed during discussions with the medical toxicologist.
2. Attendance at conferences and assigned poison center shifts will be counted in the evaluation.
3. A written test is administered at the end of the month.
4. For special arrangements involving research, writing or teaching, quality and completion of the project will contribute to the grade.
5. Input on professionalism and participation will be solicited from the Poison Center staff.

Syllabus:

Visiting Students:
- Lehigh Valley Network on VSAS.

Special Instructions:

| Emerg Med | MDE 8714 Intro to Medical Toxicology | TGH 1, 3B, 6-9, 11 | Yr 4 Status | 4 | 0 | 40 | 2,4 | Arnold, Justin | Clinical |
Contact:
Pamela Bhowanidin
(813) 844-7044
Dr. Justin Arnold
jkarnold@usf.edu

Report 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. Understand the basic principles of clinical toxicology, including 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 decontamination, 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. Learn guiding principles of the management of acute intoxication in the Emergency Department. Commonly abused drugs for specific socioeconomic groups, occupational toxins and hazards, as well as withdrawal syndrome will be reviewed.
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 Poison Center.
7. Understand basic management and response principles related to hazardous materials (HAZMAT) incidents.
8. Manage a variety of poisoned patients through daily case-based learning, case review, and consultation.

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 Center is expected. Students will review cases referred for medical treatment and other cases of interest.
3. Participation in daily case review of active poison center cases is required.
4. Participation in a variety of teaching activities, including but not limited to in-person lectures, workshops, online modules, and participation in toxicology-related public health meetings and events, and regional training and conferences (when possible).
5. Asynchronous learning through the assignment of selected journal articles relevant to the practical application of toxicology in the clinical setting. Approximately 30 articles are routinely assigned, and ample time is provided to review the assigned articles.
6. Preparation of an abstract suitable for submission to a regional, national, or international conference on an interesting patient presentation encountered during the rotation.
7. Students will be expected to prepare a 15-minute presentation on a pre-approved topic of their choice to be shared with toxicology rotators and poison center staff.

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
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:
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: This rotation will enrich students’ knowledge, help them develop history-taking ability, physical.

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

Patient Encounters:

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.

Objectives: This rotation will enrich students' knowledge, help them develop history-taking ability, physic.

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 diff
4. Performance of available procedures including but not limited to laceration repair, incision
5. Gain experience with ED point-of-care ultrasound
6. Additional events such as disaster drills or special conference events may occur

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

Evaluation:
Grades are based on daily attending evaluations and attendance at emergency medic

Syllabus:
Provided in orientation email

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

Special Instructions:
<table>
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<th>TGH</th>
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<th>40</th>
<th>2,4</th>
<th>Wilson, Jason</th>
<th>Research</th>
</tr>
</thead>
</table>

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 research.
3. Develop the ability to design and evaluate testable scientific hypotheses for clinical research.
5. Become familiar with study protocols, FDA regulations for clinical research, patient consent process.

Rotation Activities:
1. Obtain CITI certification.
2. Attend Hospital Research Meetings.
3. Attend EM Grand Rounds.
4. Liaison with Research Assistant clinical Team.
5. Develop scholarly project in conjunction with Research Director.

Patient Encounters:

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 club 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.
### Overview

**Description:**
Because of the wide array of patients and pathology, the rotation is an excellent introduction to acute care and primary health care. This rotation is required pre-requisite for those USF students considering Emergency Medicine as a career.

**Objectives:**
This rotation will enrich students' knowledge, help them develop history-taking ability, physical skill assessment, and critical thinking skills. It will also help them develop a caring, compassionate, and empathetic attitude in dealing with patients and their families.

**Rotation Activities:**
This introduction to Emergency Medicine integrates clinical skills and evidence-based medicine through didactic lectures, small group problem-solving sessions, and procedure labs. It also includes interactive simulated skills sessions ranging from suturing, central lines, lumbar puncture, and intubations.

**Patient Encounters:**

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

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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<tr>
<td>Contact</td>
<td>Zachariah, MD</td>
<td><a href="mailto:ZachariahMD@gmail.com">ZachariahMD@gmail.com</a></td>
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<td>Dept. of Emergency Medicine</td>
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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 Neighborhood Health Centers of the Lehigh Valley (NHCLV) is a Federally Qualified Community Health Center serving the Lehigh Valley.

Objectives:
1. Develop empathy and deeper understanding by developing relationships with patients and hearing their stories
2. Identify social determinants of health across the lifespan that contribute to opiate use disorders
3. Walk with patients and describe how healthcare systems designed to help sometimes do harm
4. Develop skills in health coaching for self-management of complex health issues using motivational interviewing techniques
5. Describe the roles in interdisciplinary teams and progression to transformation for patients
6. Understand treatment options for patients with opiate use disorders, including community-based programs and community organizing.
7. Describe the health policy implications of learnings from personal experiences including service delivery redesign, payment reform, and outcomes at local, state, and federal levels
8. Reflect on implications for relationship-centered care in student's vision of personal practice

Rotation Activities:
Students will participate in daily team rounds, initial assessments, primary care, consultation, medication-assisted treatment, and patient cultivation. Each student will identify individual learning goals and present either a topic or project to the team.

Patient Encounters:
Evaluations will work in close contact with the interdisciplinary team and participate in daily huddles. They will meet weekly with the team to discuss their progress, challenges, and learning goals.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:
Any interested student must contact Dr. Letcher to plan specific goals and activities for the elective.
**Description:**
This is a rural/underserved health elective in which a student will be matched with an attending physician in the Department of Family Medicine. The student will be provided with a mentor who will be responsible for evaluating the student and for developing a project that will result in the student’s presentation at the LVHN Medical Grand Rounds or a similar event. The student will also have the opportunity to write a scholarly manuscript that will potentially be accepted for publication in a peer-reviewed journal. This rotation was designed to provide insight into the unique challenges and opportunities of rural/underserved practice and to increase the student’s understanding of the role of cross-cultural issues in health care. The student will also have the opportunity to evaluate the business management of rural/underserved practice, including availability of organized funding for patient care, managed care, etc.

**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 pulmonology), and in the community.
4. Students may travel to LVPG Family Medicine Hamburg for additional procedures, as well as Allentown for residency-based activities or activities related to the student’s particular interests.

**Patient Encounters:**

---

**Contact:**

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

*Mackenzie.mady@lvhn.org*

**Office:** (570) 621-4364
**Cell:** (570) 573-3659

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

*Report to:*
Provided prior to the start of the rotation.
This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved community.

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

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

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

Syllabus:

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

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

Sites:
- Premier Community HealthCare Group (Dade City), Suncoast Community Health Care Centers (Ruskin, Dover, Plant City), Bayfront HealthCare Group (Clearwater), Pinellas HealthCare (Largo, Pinellas Park, St. Petersburg, Tarpon Springs), or Citrus County Health Department (Lecanto)
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

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

Description: The elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved area. Students will have the opportunity to compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations. They will also gain an understanding of the unique opportunities and challenges to medical practice and life in a rural or underserved community. Students will be introduced to and sensitized to cross-cultural issues in health care. They will learn about the consultation and referral mechanisms and indications, and the business management of rural or underserved practice, including availability of organized funding for patient care, managed care, etc.

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

Rotation Activities:
1. Arrangements for a specific time commitment will be made through the Department of Family Medicine in conjunction with Gulfcoast North AHEC.
2. The student will accompany the physician during the course of the preceptor’s schedule, which may involve a Saturday morning. This schedule will be arranged between the student and the preceptor.
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 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.
Description: This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved community. 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 settings to those encountered in prior urban practice rotations.
2. Identify the unique opportunities and challenges to medical practice and life in a rural or urban setting.
3. Introduce/sensitize the student to cross-cultural issues in health care.
4. Understand the mechanisms and indications for consultation and referral in rural or underserved practice settings.
5. Evaluate the business management of rural or underserved practice, including availability of organized funding for patient care, managed care, etc.
Rotation Activities:

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

2. The student will accompany the physician during the course of the preceptor’s schedule. (This may involve a Saturday if the physician is on call.) On the clinic site, the student will see patients, and will perform procedures assigned by the preceptor under his/her supervision.

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

Patient Encounters:

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

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<th>Faculty at CHCP</th>
<th>Clinical</th>
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</thead>
</table>

Click here for additional course information
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

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

Description: This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a medically underserved population. The rotation will help the student 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, managed care, etc.

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

Patient Encounters:

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 Med.
| Family Med | MEL 7267 Internat | EXT | 1 - 9 | Yr 4 | Status | 4 | 0 | 45-50 | 4 | Gonzal | Clinical |
|------------|------------------|-----|------|------|--------|---|---|-------|---|ez, Ed | oedo     |

Contact: Eduardo Gonzalez, MD

egotzales@usf.edu

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

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

Objectives:
1. Identify the general and specific health care needs of a particular foreign country
2. Identify the role of the primary care physician in international health care
3. Gain additional clinical skills in the provision of primary health care

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

Patient Encounters:

Evaluative: 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.
| Family Med | MDI 8120 Acting Internship Family Med | BFMC | 1, 3 - 6, 8 - 11 | Yr 4 Status | 1 | 0 | 40-50 | 4 | Gonzalez, Eduardo | Clinical |

**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 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 attending. This includes, but is not limited to:
- Evaluation and management of patients seen in the inpatient setting
- Review and consultation of patients on the inpatient services
- Presentation of patient cases to the inpatient service
- Literature review
- Meeting with the inpatient service to discuss patient care

**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:**

**Special Instructions:**
Concerning the course location/preceptor will be made by the Department.
Description:
The Acting Internship in Family Medicine rotation provides students the opportunity to work closely with our residents and observe a wide range of patients, from newborn to geriatrics, while learning about an array of medical illnesses and preventative management.

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 other members of the healthcare 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 faculty. This includes participation in morning report and teaching rounds, writing orders, following up on labs/consults/imaging, and doing discharge planning.

Patient Encounters:
Evaluation:

Medical knowledge

Quality of presentations and clinical decision-making skills

Attitude, motivation, and rapport with patients and team members

Family Medicine Portfolio completion

Syllabus:

Syllabus provided one week prior to the start of the rotation

Visiting Students:

Special Instructions:

Hospital AI

- 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. They will then spend a week working on Family Medicine service night float.

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, in consultation with 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 attend the regular rotation activities. This includes seeing patients, performing physical exams, evaluating and consulting on cases, keeping 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: 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.
## Family Med

### MDE 8555
**Elective in Sports Medicine**

- **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:**
  - Provide students an opportunity to learn sports medicine from a primary care/family medicine and orthopaedic standpoint.
  - Understand indications for referral in sports medicine.
  - Assist in management and assessment of musculoskeletal injuries in athletes as well as non-orthopedic medical problems of the athlete.

- **Rotation Activities:**
  - Opportunity to work with athletic trainers, physical therapists and chiropractors.

- **Patient Encounters:**

- **Evaluation:**

- **Syllabus:**

### Visiting Students:
- **Special Instructions:**
  - Last day to drop/add is end of Period 3, 4.
  - Interested students must contact the Education Coordinator from the Department of Family Med
  - **lindag@usf.edu**

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

Assigned site

Description: This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical, Sarasota; Memorial Hospital, 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:

Students must check with the Department of Family Medicine before scheduling this elective through the Registrar’s Office or lindag@usf.edu.

 FH 1 - 8 2 0 40-44 2,4 Clinical
<table>
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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:
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:
Specify students must check with the Department of Family Medicine before scheduling this elective or lindag@usf.edu.

HH 3 - 7 1 0 40-44 2,4 Clinical
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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, St. Petersburg, Children's Hospital, Tampa, MidFlorida Medical Center, Tampa, 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:

Students must check with the Department of Family Medicine before scheduling this elective. More information will be provided. Contact information can be obtained through the Family Medicine Education Coordinator at 974-1996 or lindag@usf.edu.

TMH 2 - 8 1 0 40-44 2,4 Clinical
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Description:
The elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, St. Petersburg; Lee Memorial Hospital, Fort Myers; Plant Mease HealthCare, 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 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. Further 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.

| SVMC | 1 | 0 | 40-44 | 2,4 | Clinical |
| 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, Bradenton; Manatee Memorial Hospital, Sarasota; Memorial Hospital of Sarasota, Sarasota; St. Joseph’s Hospital, Tampa; 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. Additional information and feedback will be provided. Contact information can be obtained through the Family Medicine Education Coordinator at 974-1996 or lindag@usf.edu.

MPMHC 1 - 11 2 0 40-44 2,4 Clinical
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</table>
Contact: Giordano
lindag@usf.edu
(813) 974-1996

Reassigned site

Description: This elective for senior students may be served at any of the affiliated Family Medicine Resid...

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
3. Improve the student’s skills and clinical judgment by a defined and supervised patient care
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.
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<th>Clinical</th>
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</table>

Click here for additional course information
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 residents. The focus of the elective is on the relationship of ambulatory care to hospital care, and the effective utilization of other specialty consultations. Students will be introduced to the relationship of Family Medicine and the medical community, and will have primary responsibility for care of assigned patients while in the clinic and the hospital. The student will 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. Participation in patient care and educational opportunities will be maximized. 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 an underserved population. It will provide a better understanding of providing care to a medically underserved population and the tremendous health needs that exist.

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

Rotation Activities:
Students will attend all PSMP clinics and post conferences at Judeo Christian Health Clinic, the Outreach Clinic and Woodard, Laurie Clinical.

Patient Encounters:

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

Syllabus:

Visiting Students:
No

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

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

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 student has been notified to report in person. Students are required to meet with Dr. Gonzalez one month prior to the start of the rotation to discuss this elective.
Contact: 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 be gained in the management of the wide range of problems that are present in family practice.

Objectives:
1. Identify and manage problems which present commonly in family practice, emphasizing the importance of continuing care and follow up
2. Identify the biological, psychological, and social factors that are relevant to the etiology of problems
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: Based on competence, consideration of patients, and practical approach to problems

Syllabus:

Visiting Students: No

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

**Contact:** 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:

<table>
<thead>
<tr>
<th>Medical knowledge</th>
<th>Quality of assessments, plans, and presentations</th>
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<tr>
<td></td>
<td>Clinical decision-making skills</td>
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<td>Attitude, motivation, and rapport with patients and team members</td>
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</table>

Syllabus:

Visiting Students: None

Special Instructions: 3 0 40 2,4 Clinical
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 includes but is not limited to: primary care, 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.
<table>
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<tr>
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<tr>
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<td>Yr 4 Status 20 0 40 2 Hanna, Karim</td>
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**Contact:**

**Report to:**

**Description:**

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:**

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 ge

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.
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 procedures and patient care

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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Contact: Earle Trott, Administrator
earletrott@usf.edu

Report to: Dr. Mark Glaum
glaum@usf.edu

Allergic and immunologic problems affect up to 20% of adults and children in the United States. Therefore, students should be familiarized with these diseases regardless of their specialty interests. Both children and adults are seen in the clinics.

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

Rotation Activities:
The student will primarily be involved in out-patient care at the VA Hospital, Tampa General Hospital, and H. Lee Moffitt Cancer Center. The student will be exposed to conferences on clinical allergy and immunology given by residents, fellows, and faculty from the USF College of Medicine.

Patient Encounters:
The student will examine patients with common medical diseases such as allergic rhinoconjunctivitis, chronic rhinitis, allergic asthma, insect sting reactions, exercise-induced anaphylaxis, and various other 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

Lockey, Richard
Description:
Allergic and immunologic problems affect up to 20% of adults and children in the United States, therefore, students must be familiar with these problems and treatment. Both children and adults are seen in the clinics.

Objectives:
1. Evaluate an allergy patient with history and physical, formulate an appropriate laboratory and radiologic work up, and create a suitable treatment plan.
2. Become familiar with the pathogenesis, diagnosis, and treatment of various allergic and immunologic 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 rhinitis, chronic sinusitis, and oropharyngeal allergies, as well as disease processes that may involve the skin such as urticaria or angioedema, drug allergy, insect hypersensitivity, and food allergy and/or immuno-deficiency diseases.

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

**Report to:** Dr. Narasaih Kolliputi at nkollipu@usf.edu for information on where to report.

**Description:** Allergic and immunologic problems affect up to 20% of adults and children in the United States. Therefore students will develop an understanding of the prevalence, impact, and management of these conditions.

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

**Rotation Activities:** The student will attend four weekly conferences on basic immunology and clinical allergy and...  
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:** No

**Special Instructions:** N/A
<table>
<thead>
<tr>
<th>Int Med</th>
<th>Cardiovascular</th>
<th>MDT 8200B</th>
<th>USFMS 10A</th>
<th>Yr 4 Status</th>
<th>No Limit</th>
<th>40</th>
<th>2</th>
<th>Chae, Sanders</th>
<th>Basic Science</th>
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**Description:**

A basic science course is designed to revive your familiarity with genetic conditions associated with sudden cardiac death. Students will 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:**

N/A

**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

Contact:

Dr. Sanders Chae  
schae@health.usf.edu  
Bonna Nichol  
bonna@health.usf.edu
The Harvey Elective is in part, the University of Miami Harvey Course Curriculum, and additional lectures and discussions. The Harvey Cardiovascular Simulator reproduces clinical sounds for the learner. 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 various disease states.

**Description:**
The curriculum assists students in identifying and interpreting the assigned heart conditions. Students are expected to attend all scheduled discussions that provide an opportunity to explore their findings on the Harvey Manikin.

**Objectives:**
At the end of this elective, 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 ECG findings, ECHO, and the clinical presentation to the patient's chief complaint through robust modules.

**Rotation Activities:**
The students will have on-site activities that include lectures from cardiologists, discussions, weekly discussions, and attendance at ECG Interpretations at JAH VA Hospital and ECHO Interpretations at TGH.

**Patient Encounters:**
N/A

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

**Syllabus:**
Posted to Canvas.

**Visiting Students:**
With permission from the 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 medicine in gastroenterology.

Objectives:
This course will address the relationship of innate and acquired immunity to the disordered immune response in inflammatory bowel disease 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 clinical practice, and discussions with faculty and residents. 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. Students will also be evaluated by the faculty to determine base knowledge, and the ability to formulate differential diagnoses and propose solutions.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
MEL 8306 Gastroenterology Elective

CoTa: 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.

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

Rotation Activities: There will be a combination of direct patient contact and personal instruction. Observation of a variety of procedures including diagnostic and therapeutic upper GI panendoscopy, 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 a further source of learning. Emphasis will be placed on pathophysiology, clinical manifestations, diagnosis and therapy. Emphasis will also be placed on the techniques of clinical nutrition. Students can participate in a short research project during the rotation or may elect to begin a 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>
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<tr>
<th>Int Med</th>
<th>Digest/Nutrition</th>
<th>MEL 8306 Gastroenterology Elective</th>
<th>MCAH 1 - 11</th>
<th>Adult Med, Pri Care</th>
<th>2</th>
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<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.

**Objectives:**
Upon successful completion of this elective, the student may expect to achieve an acceptable level of competence in the following:
- Recognition of common gastrointestinal and liver symptoms
- Interpretation of diagnostic tests
- Application of basic therapeutic approaches
- Interpretation of gastrointestinal radiographs and other imaging techniques

**Rotation Activities:**
- Daily work and teaching rounds
- Participation in gastroenterology consultations
- Two hours of conferences weekly
- Opportunities to learn interpretation of capsule endoscopy, 48 hour pH recordings, and high resolution esophageal manometry

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

**Syllabus:**
- Visiting Students: No
- Special Instructions: N/A
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, two hours of conferences weekly, patient encounters, and teaching rounds. 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 evaluation, diagnosis, and management of gastrointestinal diseases and in the interpretation of gastrointestinal radiographs and other imaging techniques.

Rotation Activities: Daily work and teaching rounds, participation in gastroenterology consultations, two hours of conferences weekly, patient encounters, and teaching rounds.

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

Syllabus: Visiting Students: No

Special Instructions: N/A
Int Med Digest/Nutrition MEL 8306 Gastroenterology Elective

Click here for additional course information

T-VAH 1 - 11 Adult Med, Pri Care 1 0 44 2.4 Brady, Patrick

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 diagnosis, treatment, and interpretation of gastrointestinal and liver disease.

Rotation Activities:
Daily work and teaching rounds, participation in gastroenterology consults, two hours of conferences, and participation in the GI Basic Science/Research Conference held at the VA hospital at 7:15 AM on Friday morning.

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:

T-VAH 1 - 11 Yr 4 Status 2 0 44 4 Semmons, Rachel

Clinical
**MEL 8368**  
Emerg Med  
Outside the Hospital

> Click here for additional course information

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**Contact:**  
Barbara Pearce  
Academic Services Administrator  
Internal Medicine 4th Year Electives Program  
bpearce@usf.edu  
Dr. Rachel Semmons  
Rachel.semmons@gmail.com

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**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. 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.

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

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**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.

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>Emerg Med</th>
<th>MEL 7320Q Extern-Emergency Medicine</th>
<th>EXT 1 - 7 Yr 4 Status</th>
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<th>Faculty Externship</th>
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<p>| Int Med | Emerg Med | MEL 9999Q Indep Study in Emergency Med | USFMS or LVHN 1 - 11 Intro to EM, Adult Med, Pri Care | No Limit | 0 | 44 | 2.4 | Faculty Indep Study |</p>
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<th>Endocrinology</th>
<th>MEL 8305 Clinical Endocrinology &amp; Metabolism</th>
<th>T-VAH</th>
<th>1 - 11</th>
<th>Adult Med, Pri Care</th>
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<th>Gomez-Daspet, Joaquin</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:** Haley Palmer  
*hpalmer@usf.edu*

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

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

**Description:**

Upon the completion of this elective, the student should understand how to manage patients with 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 rounds; and participate in case presentations.

**Patient Encounters:**

**Evaluation:**

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

N/A
Description: The rotation on the Endocrinology services involves exposure to inpatient consultations and the outpatient clinic with a focus on patient care and treatment. Students will learn how to interact with patients & their families, colleagues, and staff regarding patient care and treatment.

Objectives:
1. Evaluate an endocrine patient with history and physical, formulate an appropriate laboratory and radiologic work up, 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. Students will be asked to prepare a patient focused presentation and write a question based on a case they were involved in. They will answer the question with support from the medical literature.

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

Special Instructions:
N/A
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<tr>
<th><strong>Ethics /Palliative</strong></th>
<th><strong>MDE 8150 Intro to Palliative Med and Hospice</strong></th>
<th><strong>LVH-CC</strong></th>
<th><strong>1,4,5,6, 9,10</strong></th>
<th><strong>Gibbons, David</strong></th>
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</tbody>
</table>
Contact: David.Gibbons@lvhn.org
(610) 402-0100

Address: Cedar Crest Blvd., Suite 3500

Description: This elective is designed to introduce the basic philosophy of palliative care and how these principles are applied to dying patients. Students will learn about the use of commonly used medications to treat symptoms of 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 a psychosocial evaluation of patient and family understanding of illness and prognosis. Gather a psychosocial, coping history, and spiritual and values history.

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

3. Explain the relevant basic science, pathophysiology, associated symptoms and signs, and the role of medications in symptom control.

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 of opioids and cytotoxic agents.

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.

Rotating Activities:

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

Patient Encounters:

For the inpatient educational experience, the trainee will see patients at Lehigh Valley Hospital-ALL. They will participate in at least one inpatient IDT during the week.

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

Knowledge will be assessed through a pre-post knowledge survey and exam, in addition to an oral presentation given at one of the journal club meetings. Finally, an overall evaluation will be completed by each member of the IDT using a competency-based assessment tool.

Syllabus:

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

Special Instructions: N/A
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<tr>
<th>Int Med</th>
<th>General</th>
<th>MDE 8037 Occupational Medicine Elective</th>
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<th>1 - 11</th>
<th>None</th>
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<th>40</th>
<th>2,4</th>
<th>Williamsons, Rachel</th>
<th>Clinical</th>
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</table>

Contact: Rachel Williams  
rachel.williams5@va.gov

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

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

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

Description:  
The goals of this rotation are for the student to be exposed to the workplace, work exposures and relevant statutes, thereby gaining the ability 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 exposures
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), preceptor evaluations, and performance evaluations.

Syllabus:  

Visiting Students:  
No

Special Instructions:  
N/A
The geriatric rotation will offer experience to observe and manage elderly patients with a wide variety of medical conditions. Students will gain an understanding of the normal anatomical and physiologic changes associated with aging and the concepts of homeostasis and frailty. They will learn to recognize atypical presentations of illness in the geriatric patient and evaluate and manage common geriatric conditions such as delirium, dementia, depression, gait disorders, falls, syncope, unintentional weight loss, pain syndromes, urinary incontinence, and constipation. Students will also assess for and prevent the hazards of hospitalization in the geriatric patient, including polypharmacy, delirium, deconditioning, and functional decline. They will recognize the prevalence of complex and chronic disease in the elderly and its impact on functionality and quality of life. Students will understand and utilize the AGS Beer’s Criteria for potentially inappropriate medication use in the older adult. They will administer and interpret various standardized instruments used for assessment of cognitive function, psychological affect, and physical function in the geriatric population. Understanding the various post-acute rehabilitation and long-term care settings, including the duties of the interdisciplinary team members and Medicare/Medicaid and other insurance payment options will also be covered.

Rotation Activities: Students will see patients on the hospital geriatric consultation service, the ambulatory primary care and outpatient clinic, and the inpatient rehabilitation unit. They will participate in teaching rounds, case presentations, and conferences. They will also perform patient encounters and work on patient care plans.

Patient Encounters: Students will be evaluated based on the ACGME competencies. Students will receive a short pre-test and post-test of the ACGME competencies, as well as a patient summary writeup, post-test score, and 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>
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<th>BYRD</th>
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<th>Yr 4 Status</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

**Report to:**
- **Asa Oxner, MD**
  - aoxner@usf.edu

**Description:** This elective integrates students into the care of elderly and those who are victims of health disparities.
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 patients experience from these
4. Understand the business application of Obamacare and Medicare, and the intersection of poverty in healthcare
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

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 health disparities

Patient Encounters:

Evaluation:

Students will be evaluated by the course director at the end of the course based on clinical evaluation by the student's designee and at the end of the course based on medical knowledge, medical skills, and demonstrated professionalism.

Syllabus:

Visiting Students:

No

Special Instructions:

Students will also visit TGH Health Park.

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<th>Int Med</th>
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<th>MDE 8774 Bedside Ultrasonography</th>
<th>T-VAH 1 - 11</th>
<th>Adult Med, Pri Care</th>
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<th>Lamarche, Jorge</th>
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Contact: Dr. Jorge Lamarche
jorgelamarche@va.gov
James Burrola
(813) 978-5947

Report to: Second Floor Dialysis Unit
Monday at 8:00 am
Monday through Friday 0800 to 1630

Description: This elective will introduce medical students to the practice and theory of bedside ultrasonography. Bedside ultrasonography can be used to make diagnoses of various diseases, including those of the lung. 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

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

Required Visual videos provided to the students:
1. Advance lung ultrasound applications
2. Rapid ultrasound for shock and hypotension
3. Cases in emergency ultrasound
4. Introduction to adult echocardiography

Required Reading for all participants:

Suggested additional ultrasound literature journals and books:
Sign up for Athens access at VA Medical Library (2nd floor) for full access
Patient & Feedback:

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 patient safety principles, such as human factors engineering, and cite specific patient care examples.

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 patient care examples
3. Manage patients in the capacity of an acting intern during business hours, writing order and notes, and admitting and charging them.
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
<table>
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<tr>
<th>Int Med</th>
<th>General</th>
<th>MEL 8332 Elective in Rural Medicine</th>
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<th>Clinical</th>
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</thead>
</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  

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 the faculty, students will be immersed in the community to experience the unique challenges and opportunities of medical practice in a rural setting. Students will have the opportunity to engage in clinical experiences, shadowing, and community outreach activities.  

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

Gulfcoast South AHEC will provide students with a fixed travel reimbursement.
Rotation Activities:

1. Direct clinical experience in rural medicine for underserved populations including migrant farm workers at Suncoast Community Health Center and homeless patients across Hillsborough, Pasco, and Pinellas Counties.

2. Complete a quality improvement project for one of our clinical sites. Examples include a process map of patient flow in the medical van and an inexpensive formulary of medications that are available to patients.

Patient Encounters:

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

Syllabus:

Visiting Students:

Special instructions must be scheduled through Anne Wenders from the AHEC office. Final arrangements for the elective must be made through 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_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. They will be rotated through the general medicine and internal medicine services. Students will participate in a combination of ward rounds, attending rounds, teaching sessions, morning conferences, and grand rounds. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

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

Rotation Activities: Students will be required to give a 15-20 minute case presentation halfway through the rotation. The presentation will be evaluated on the basis of the clinical evaluation of case, examination of the patient, and the student’s thought process and differential. 

Patient Encounters: 

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

Syllabus: 

Visiting Students: 

Special Instructions: 

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Contact:

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

Report to:
The 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 and exposes the student to the unique challenges of oncology patients. Students will round with IHM A inpatient service and will function as acting interns on the general ward teams at Moffitt Cancer Center.

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 be given direct supervision and feedback from attending physicians. They will attend ward rounds, including daily team 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. This evaluation facilitates discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

Visiting Students:

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<th>Clinical</th>
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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 to: The TGH Attendings/Residents schedule changes every month. The students receive their schedule a week before the start of each month. The students receive their schedule a week before the start of each month. They are encouraged to contact 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 for the patient's care, so that he/she may confidently assume such care in the first postgraduate year regardless of the career choice.

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

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

Rotation Activities:
Students will function as acting interns on the general ward teams. They will be given direct patient care clinical experience with the attending physicians and other residents. They will attend all required conferences, including 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. The final grade is provided to the student, and it is used to facilitate 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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</table>
Contact:
Barbara Pearce
Academic Services Administrator
Internal Medicine 4th Year Electives Program
bpearce@usf.edu

Report VAH Attendings/Residents schedule change every month. The students receive their schedule a week before the start of the month. Attendings/Residents must contact the student directly if there are any changes to the schedule. Students must request the schedule from 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 clinical responsibilities for patients admitted or referred to their team. The only mandatory conferences that students are required to attend are AM report, noon conference, and Grand Rounds. There are no other weekly didactic sessions to attend. There are no weekly quizzes. There are no end of course examinations.

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

Rotation Activities:
Students will function as acting interns on the general ward teams. They will be given direct patient care clinical responsibilities and must participate 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:
Apply via USF Health Morsani College of Medicine on VSAS.

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Contact: Olga Klinkova

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

Report to: Olga 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 sites. The student will function as acting or "early" intern on an internal medicine consult service. The student will function as acting or "early" intern on an internal medicine consult service. The only mandatory conferences that students are required to attend are AM report, noon conference, Grand Rounds, and Internal Medicine Board Review.

Objectives:
1. Conduct a preoperative evaluation
2. Evaluate and treat postoperative complications such as Atrial Fibrillation, Diabetes, Hypertension, and Urinary Tract Infections
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 Srvc | TGH | 1 - 11 | Adult Med, Pri Care | 1 | 0 | 44 | 2 | O'Brien, Kevin | Clinical |
Internal Medicine 4th Year Electives Program

bpearce@usf.edu

Report to 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 conference, 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 completed at the end of the rotation. It will facilitate discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

| Int Med | General | TGH | Yr 4 Status | 12 | 0 | 40 | 4 | Kapadia, Nikesh | Clinical |
Description:
This elective offers the fourth year medical student a review of pertinent skills for a smoother transition to internship.

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

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

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

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:
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Click here for additional course information.
Contact:

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

Report to: Round with IHM A inpatient service

Description: This rotation allows the medical student to learn how to diagnose and treat common medical conditions and exposes the student to a variety of inpatient settings. Students will be expected to stay late during certain days of the week to assist with admissions. Students will round with IHM A inpatient service.

Objectives:

1. Introduce the student to hospital based care and management
2. Students will learn how to perform adequate and thorough history and physical 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 responsibilities and will be involved in daily patient rounds and teaching conferences. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

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

Patient Encounters:

Evaluation:

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

Syllabus:

Visiting Students:

No

Special Instructions:

Available only to students in the Internal Medicine track
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</thead>
</table>
Contact:
Barbara Pearce
Academic Services Administrator
Internal Medicine 4
3rd Year Electives Program
bpearce@usf.edu

Report to:
The TGH Attendings/Residents schedule changes every month. The students receive their schedule the week before the start of the month. The students are provided 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 as a member of the team. 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 inpatient setting
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 each month. The evaluation will facilitate 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.
Report VAH Attendings/Residents schedule changes every month. The students receive their schedule a week before the start of the month. The mandatory conferences that students are required to attend are AM report, noon conference, Grand Rounds and the M&M conferences. 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 discharge summary
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. This evaluation facilitates discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

Visiting Students:

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 deemed to be assessed as performed by a competent practitioner. EPAs are deemed to be 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 Internal Medicine residency program will be exposed to, and assessed in, activities designed to 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:

### 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 to enhance antibiotic stewardship
3. Collaborate with an interprofessional team to safely and effectively discharge an internal medicine patient
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
6. Perform general procedures of an internal medicine intern physician

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**Contact:**
Dr. Shanu Gupta
shanugupta@usf.edu

**Report to:**
Tampa General Hospital HMT 750
Monday at 8 am
Students in this rotation will be expected to participate in the following activities to meet goals and objectives stated above:

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

Patients on 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, 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 effective discharge, including discharge documentation.
5. Students will also receive feedback from interprofessional team members on facilitation skills and professionalism in preparing a discharge plan.
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:

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Description
This course will expose the medical student to a wide range of hematologic and oncologic disease processes. In the course, students will have the opportunity to work with hematologists and oncologists to gain an understanding of the natural history and treatment of hematologic and oncologic diseases. Students will also spend time in multidisciplinary clinics.

Objectives
1. Identify key points in a patient’s case and use them to make management decisions
2. Recall the important aspects of the history and physical in evaluating a patient with cancer
3. Identify detailed aspects of the CBC, coagulation studies, and peripheral blood smear
4. Will demonstrate the ability to accurately interpret CT scans and MRI imaging of oncology patients
5. Strengthen skills to develop a differential diagnosis and be able to justify studies ordered
6. Be able to compare and contrast mechanism of action and side effects of traditional chemotherapy
7. Differentiate between palliative care and hospice care and decide when to transition patient
8. Appreciation for the importance of clinical trials and the process of screening patients
9. Appreciation for multidisciplinary care of oncology patients

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

The students also spend time in the office setting with an attending. They accompany the attending during office visits and spend time discussing the case.

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

Evaluation:
1. Students will be evaluated in the office/clinic by the faculty hematology/oncology attending.
2. Students will be given a brief multiple choice test at the start of the rotation and again at the completion to gauge progress. Test will cover basic concepts in hematology/oncology.
3. Students will be given assignments. For example: Students will be given an interesting case for review.

Syllabus:

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

Special Instructions:
N/A

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Description:

The primary focus of this rotation is the inpatient consultative service. Students will be expected to round with the attending physicians, including on-call physicians, and to work collaboratively with the multidisciplinary team. Students will be responsible for a variety of tasks, including taking care of patients, conducting clinic rounds, and participating in team discussions. Students will also have the opportunity to participate in research projects and to present their findings to the medical community.

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
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 a interesting case by the attending to review. They will 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
ID, International Medicine

MEL 8310 Infectious Disease & International Medicine

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 the relationship between therapy and disease course 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: Evaluation throughout the elective a formal evaluation process results in generation of written comments.

Syllabus:

Visiting Students:

Special Instructions:
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<tr>
<th>Course Name</th>
<th>1 - 11</th>
<th>Adult Med, Pri Care</th>
<th>3</th>
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<th>44</th>
<th>2,4</th>
<th>Sinnott, John</th>
<th>Clinical</th>
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</thead>
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**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 disease consultation has been made. Students will have the opportunity to evaluate the patient, discuss the case with the Infectious Disease fellow, and train with other members of the team including an Infectious Disease fellow and an Infectious Disease attending.

**Objectives:**

1. Provide fundamental information concerning techniques employed in diagnosing infectious 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 and attending physicians. 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. Data will be incorporated in teaching rounds to provide guidance for the student to strengthen skills in those areas.

**Syllabus:**

Visiting Students:

No

Special Instructions:

N/A
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<th><strong>Sinnott, John</strong></th>
<th><strong>Clinical</strong></th>
</tr>
</thead>
</table>

**Contact:**

- **Benjamin Reza**
  - Benjamin.Reza@va.gov

- **Sandra Gompf**
  - Sandra.Gompf@va.gov

**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 attending physicians. 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 students.

**Syllabus:**

- **Visiting Students:** No

- **Special Instructions:** N/A
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 transplantaion event is made. The students will also learn to work 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. Students will be expected to learn to work with other members of the team including an Infectious Disease fellow and an Infectious Disease attending. Students will be expected to demonstrate knowledge of drug interactions between antimicrobials and immunosuppressive drugs.

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

Patient Encounters: Evaluation: The evaluation process will be ongoing on daily basis through constructive criticism to help students' perfect history taking and clinical skills. Opportunities to give suggestions to help incorporate students' needs into future rotations through this service.

Syllabus: Visiting Students: No Special Instructions: N/A
### Course Information

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

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

**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
**Objectives:**
The objective of this elective is to expose medical students to the broad general principles of Clinical Nephrology. Students will 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 outpatient services. Students will be required to interact with dietitians, social workers, clinical nurse specialists, as well as the attending staff.

**Patient Encounters:**
Evaluation:

**Syllabus:**
Visiting Students:

**Special Instructions:**
Contact: Christina Haynes, Administrator
chaynes1@usf.edu

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

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

Description:
**Contact:** Christina Haynes, Administrator

*chaynes1@usf.edu*

*Dr. James Burrola*

*James.Burrola@va.gov*

**Report to:** Dr. Jorge Lamarche

*Jorge.Lamarche@va.gov*

**Description:**

The objective of this elective is to expose medical students to the broad general principles of Clinical Nephrology. In this rotation, students will have the opportunity to observe the care of patients with chronic kidney disease, acute renal failure, and hypertensive emergencies. They will also gain insights into the management of renal transplant recipients and the interplay of renal, endocrine, and cardiovascular diseases. The elective allows for in-depth interactions with house staff and clinical fellows, participating 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 through discussions with specialists within the nephrology service that involves dietitians, social workers, clinical nurse specialists, as well as the attending staff.

**Patient Encounters:**

Evaluating and managing patients with various renal conditions.

**Evaluation:**

No specific evaluation criteria are outlined for this elective.

**Syllabus:**

No formal syllabus is provided. However, students are encouraged to review relevant literature on renal diseases and their management.

**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.

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

### Rotation Activities:
Adequate exposure to renal patients is achieved through inpatient consultations in the affiliated institutions and 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 evaluation of patients will be the responsibility of the student who will function under supervision of the Nephrology attendings and fellows.

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

### Syllabus:

### Visiting Students:
No

### Special Instructions:
N/A

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Description:
The elective is designed to introduce the basic principles and practice of palliative care. A 2-4 week inpatient consult on patients in the hospital to include a comprehensive medical history, physical exam, diagnostic testing, and development of a palliative care plan. The course will provide an overview of the pharmacokinetics and pharmacological effects of medication commonly used to treat symptoms in dying patients.

Objectives:
1. Initiate palliative care consults on patients in the hospital to include a comprehensive medical history, physical examination, diagnostic testing, and development of a palliative care plan.
2. Provide a comprehensive assessment of patients with pain identifying physical, psychosocial, and spiritual aspects of distress.
3. Explain the relevant basic science, pathophysiology, associated symptoms and signs, and diagnostic options useful in differentiating among different etiologies of pain and non-pain syndromes.
4. In patient encounters, identify and address common patient, family, health care provider and health care system barriers to effective end of life care, hospice and palliative care.
5. List indications, clinical pharmacology, alternate routes, equi-analgesic conversions, appropriate titration, toxicities, and management of common side effects in opioid administration.
6. Communicate effectively with patients and families across a broad range of socioeconomic and cultural 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-based options for patients with serious illnesses.

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:
The evaluation of student will be based on performance of responsibilities listed in Rotation Activities.

Syllabus:

Visiting Students:

Special Instructions:
Description:
This course is specifically designed to enhance student competency in Respiratory Pathophysiology. It will provide an overview of the principles of pulmonary physiology as applied to clinical situations, with a focus on adult respiratory care and support. Students will engage in a variety of learning activities, including didactic sessions, case discussions, and case scenario experiences. Students will prepare and present a case report.

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, understanding of recent basic science discovery in oral case reports, and the use of references and judgment of evidence in case reports.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
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 of insomnia
5. Compare and contrast behavioral versus medication treatment for insomnia
6. List the most common abnormal behaviors that occur during sleep (parasomnias)
7. Compare and contrast jet lag and shift work sleep disorder with advanced and delayed sleep phase syndromes (circadian rhythm disorders) in adults and children

Rotation Activities:
The trainee will see patients at the USF, VA and TGH Sleep clinics as well as in-patient consults. Trainees will have 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. Patient Encounters: The student will have the opportunity to rotate with a variety of rheumatology faculty at sites including; USF Morsani Outpatient Clinic, VA and TGH. There are additional opportunities to have exposure to musculoskeletal ultrasound in the clinical setting.

Evaluation:
Students will be evaluated by the course director or his designee, at the end of the course, based on the clinical evaluations and 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 associated during the weekly rheumatology conference on a topic relevant to a patient seen in the clinical setting.

Syllabus:

Visiting Students:

Special Instructions:
| Int Med | Pulm /Sleep Med | MEL 7388 Intro to Sleep Medicine | TGH | 1 - 11 | Adult Med, Pri Care | 2 | 0 | 44 | 2,4 | Anderson, William | Clinical |
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 see patients at a variety of sites as well as be involved in research. 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, TGH, and VA Clinics as well as inpatient consults. 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 a final examination. Grades are determined by: 75% clinical evaluations and 25% by 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.

Syllabus:

Visiting Students:

Special Instructions:
<table>
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<th>44</th>
<th>2,4</th>
<th>Soloman, David</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**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:** No
- **Special Instructions:** N/A
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<th>Soloman, David</th>
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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:

No

Special Instructions:

N/A
Description:
Rheumatology is a specialty in internal medicine devoted to the diagnosis and management of over 100 complex and serious diseases. These diseases can affect any age and gender. These include, but are not limited to, Vasculitis, Rheumatoid Arthritis, Psoriatic Arthritis, Ankylosing Spondylitis, Gout, Osteoporosis, and Osteoarthritis.

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

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

Patient Encounters:
During this elective, the student will actively participate on the rheumatology service in the outpatient setting. Direct patient care, including care coordination, will be performed during patient encounters. Observation of educational activities will be used, in conjunction with the clinical performance, for the final evaluation.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
The rheumatology rotation will offer experience to observe and manage patients with a wide variety of rheumatic diseases. The students will have the opportunity to understand rheumatic disorders as well as the techniques of assessment, therapy, and chronic and acute disease management.

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

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

Rotation Activities:

Students will see patients on the hospital geriatric consultation service, the ambulatory primary care and outpatient rheumatology clinics, and inpatient consults. They will participate in the educational rounds, case conferences, and journal clubs. They will also participate in the patient teaching and patient education sessions.

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:
Lehigh Valley Network
on VSAS.

Special Instructions:

Interdepartmental LVHN 4-5, 7-11 Yr 4 Status 3 4 40 4 Ross, James Clinical
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 common rheumatic 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, orthopedic/sports medicine, and musculoskeletal diseases.
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
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</table>

Contact: Jamie Cooper, PhD  
jc2@usf.edu  
(813) 974-2718

Clinical sites include: Morsani, USF South, Tampa General Hospital, Health Park, and the Jan.

Description:
This elective is a multi-disciplinary four-week course designed to enhance the student’s competence in the recognition, evaluation, and treatment of patients with musculoskeletal, dermatologic, orthopedic/ sports medicine, and rheumatic diseases. 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 orthopedics.
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 Medicine (MDC 8340)

**Critical Care Medicine**

- **Course Information:**
  - MDC 8340
  - Critical Care Medicine
  - Click here for additional course information

**Description:**

This elective is designed to introduce students to the practice of medicine in an intensive care unit. Under the guidance of experienced faculty and staff, students will

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

After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific knowledge and skills related to the practice and management of critical care patients. This includes the ability to manage a variety of critical care conditions, prioritize and manage complex patient care issues, and to apply science principles basic to the practice of medicine in the clinical management of complex illness.

**Rotation Activities:**

This course will include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesia Consult ICU, Emergency Room, or Coroner. During the rotation, students will participate in patient care activities and will be evaluated by written, oral, and/or practical methods which include direct patient contact and simulation exercises.

**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:**
  - Lehigh Valley Network on VSAS.

**Special Instructions:**

N/A
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<th>Schweid-Lustgarten, Daniel</th>
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**Contact:**
Daniel Schwed-Lustgarten  
Daniel.Schwed@lvhn.org

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

**Description:**
This elective is designed to introduce students to the practice of medicine in an intensive care unit.

**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.

After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific knowledge of critical care medicine and be able to manage patients requiring intensive care management, including: cardiovascular, respiratory, and neurological therapy, 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 ICU, or other speciality ICU. The 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.

**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, an Emergency Department, or on a Pediatric Intensive Care Unit. The course will focus on the care of patients with complex, critical illness. The students will evaluate electro-cardiograph (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. After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific knowledge, thought processes, and skills. The student will be able to independently perform vital functions such as intubation, mechanical ventilation, and to apply science principles basic to the practice of medicine in the clinical management of complex illness.

After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific knowledge, thought processes, and skills. The student will be able to independently perform vital functions such as intubation, mechanical ventilation, and to apply science principles basic to the practice of medicine in the clinical management of complex illness.

Rotation Activities:
Simulations take a critically ill patient through the ER, a code blue, and 4-5 days in the hospital covering vents, ABGs, and part of a team. Didactics include basics of mechanical ventilator, weaning from mechanical vent, 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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<td>USFMS</td>
<td>Yearlong</td>
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<td>5</td>
<td>0</td>
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<td>Gonzalez, Eduardo</td>
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Description:
This longitudinal elective would reinforce and teach the knowledge, skills and attitudes that are needed to direct a... year. The course is longitudinal, as the responsibilities of these students will continue throughout the academic year.

Objectives:
1. Develop skills to properly manage a multidisciplinary healthcare clinic
2. To form and nurture professional relationships with Moffitt, Hillsborough Health Department
3. Understand the Business/Finance aspect of Medicine through collaboration with Dr. Marshall and the Business Scholarly Concentration
4. Update and renew documents for Clinic Operations including the constitutions, employee c...
5. Provide access to healthcare for patients of many different backgrounds with limited acces...
6. Collaborate effectively with Social Work, Public Health, Physical Therapy, Nursing, Pharma...
7. Integrate meaningful community service with instruction and reflection to enrich the learni...

Rotation Activities:
Patient Encounters:
Evaluation:
By the end of the elective, students should feel competent managing a multidisciplinary heath...

Syllabus:
Visiting Students:
Special Instructions: Only students elected to be the student medical directors for BRIDGE will be eligible for this e...
Description: This elective is designed to strengthen the clinical and mentorship skills of senior medical students by involving them in the management of patients at a free clinic.

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
5. Collaborate with an inter-professional team in the management of patients
6. Become familiar with community resources and their contributions to patient well-being

Rotation Activities:
1. Weekly Clinics: The clinical mentors are expected to attend a minimum of 15 clinic nights. During clinic they will lead a medical team and be expected to teach their lowerclassmen appropriate physical exam and diagnosis skills.
2. Clinical Teaching Sessions: The clinical mentors will be expected to formulate and prepare small group sessions that 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 developing project developed to allow for submission of an abstract to the Society of Student-Run Free Clinics' Annual Conference.

Patient Encounters:

Evaluation:
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:
No

Special Instructions:
Any student interested in taking the longitudinal BRIDGE Clinic elective will need to apply prior to registering. A student accepted into the elective must commit to completing all aspects of the elective. The elective is not advertised in the catalog, so we ask that you complete the application as soon as possible. For applications contact Dr. Gonzalez.

| Interdept | MDE 8080 Medical Informatics | LVH-CC | 3 - 11 | Yr 4 Status | 1 | 0 | 40 | 2.4 | Miller, Matthew |
Description: This elective will be an introduction to Medical Informatics. The elective will include a combination of didactic and hands-on activities designed to provide students with a comprehensive understanding of the medical informatics discipline.

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...will be determined at the beginning of the rotation; and assessment of those deliverables will be used in the evaluation.

Syllabus: Informatics Syllabus.pdf

Visiting Students:

Special Instructions: The student must meet with Dr. Levick to discuss goals of the elective and determine...

<table>
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<th>Interdept</th>
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<th>MDE 8094 Teaching in Simulation</th>
<th>LVHN</th>
<th>1-11</th>
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Contact: B. Smith, PhD

amy_b.smith@lvhn.org

Report to: Department of Education

1247 S Cedar Crest, 2nd Floor

Monday at 8 AM

Description: This elective is designed to introduce students to the art and science of simulation in healthc
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 scripts
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 elective.

| Interdept. | USFMS | 1 - 12 | None | 2 | 0 | 40 | 2,4 | Oxner, Asa | Clinical |
MDE 8107
Street
Medicine
Elective
Description:
This elective allows third and fourth year medical students to gain experience in delivering medical care to marginalized populations. Students will participate in ongoing rapid cycle quality improvement related to the mobile medical clinic.

Objectives:
1. Work as medical staff at TBSM service events, including street runs, clinics, and the mobile medical clinic.
2. Mentor underclassmen during clinic hours.
3. Participate in ongoing rapid cycle quality improvement related to the mobile medical clinic.

Rotation Activities:
1. Mobile Clinic: Students are expected to volunteer on the mobile clinic Monday through Friday, both morning and afternoon.
2. Weekly Service Events: TBSM holds a free clinic at the First Presbyterian Church (412 E Zack St, Tampa, FL 33602) on Tuesdays. Students will receive patients, ensure completion of paperwork and documentation for each patient, and oversee each step of the patient encounter.
3. Research Project: Students will contribute to an ongoing research project that is directly related to the TBSM mission. Students will maintain daily research logs and contribute to data collection. Students are encouraged to submit their research for presentation or publication.

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

Evaluation:
Students will be evaluated based on punctuality, professionalism, participation in all scheduled service events, effort in delivering health care, and performance in rotations. A PASS grade will be given to students who attend and participate at all scheduled clinical duties and also demonstrate outstanding performance in clinical duties and research.

Syllabus:

Visiting Students:

Special Instructions:
Description: This elective is designed to introduce senior students 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 Rehabilitation.

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 the course director at the end of the course. The grade will be based on evaluations of the faculty who worked with them.
Syllabus:

I. Rationale:
Introduce medical students to postacute care.

II. Course Aims and Outcomes:

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

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

IV. Course Requirements:

1. Students are expected to be present at agreed upon time at agreed upon location.

2. Students are expected to respect colleagues and patients.

Visiting Students:
No

Special Instructions:
N/A

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</table>
Contact: Davida Leayman  
(610) 402-2554  
Davida_M.Leayman@lvhn.org

Report to:  
Variable

Description: SELECT 4 will occur throughout the year and will consist of two formal teaching blocks called Prologue at the beginning and Epilogue at the end. The content will be delivered through an online learning platform, IHI, and include web-based modules and discussions with experts in the field. The learning activities will be designed to enhance knowledge and skills fundamental to health systems process change and engineering.

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 of the Center for Disease Control.
6. Analyze guideline recommendations for communication with patient and family members when breaking bad news.
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+, patients with housing insecurity, veterans, and 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: SELECT Y4 20-21 Syllabus (Course AB).pdf

Visiting Students: No

Special Instructions: N/A
Clinical 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
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 workshops, and training in the use of 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 self-evaluation, those involved will provide feedback, and the student will be given the opportunity to reflect on what they have accomplished during the elective and what they plan to continue to work on as lifelong learners.

Syllabus:

Visiting Students:

No

Special Instructions:
Any student who wishes to complete this elective will need to meet with either Dr. Vinita Kiluk or Dawn Schocken to confirm elective availability and so that they can match student needs to the available resources.
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Contact:

Davida Leayman
Davida_M.Leayman@lvhn.org
(610) 402-2554

Bryan Kane, MD
Bryan.Kane@lvhn.org

Report to:

Description:

This is a required course for all SELECT students. It will consist of a Project that results in scholarly output. This will be given the equivalent of four-weeks of credit for this course. Students must be enrolled by day one of their fourth year.

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
7. Demonstrate professionalism via communication, managing yourself and your team, and
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 an area 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:
### Course Description

This senior medical student elective is intended to teach the practical and theoretical medical skills necessary to treat patients in non-hospital settings.星空医疗的

#### Objectives

1. Practice medical skills to be used in situations outside 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

#### Evaluation

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

#### Syllabus:

- **Visiting Students:**
  - No Limit

- **Special Instructions:**
  - This is a year-long elective from April through May. Activities are usually held on Saturdays, with special events held on specific dates.

- **Contact:**
  - Dr. Ryan Naughtin
  - rnaughti@usf.edu
Co-taught by C. Callegari V. MD MEd DMSc FAAP

Professor, Department of Pathology and Cell Biology
ccallega@usf.edu
(813) 974-3177

Report to:
N/A

Description:
The 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).

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:
Online 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, should complete an online pre-assessment test, and take a  face to face final assessment (in-person or Skype), that may include OSCEs or other educational strategies.
| Interdepartmental Medical Spanish 2 | MDE 8040B | USFMS: 2 | Semester 2 (Periods 7-11) | Yr 4 | Status | 60 | 0 | 5 | 22 | Callegari, Carlos |

**Contact:**

Carlos C. Callegari V. MD MEd DMSc FAAP  
Professor, Department of Pathology and Cell Biology  
ccallega@usf.edu  
(813) 974-3177

**Report to:**

**Description:**

This online (Canopy Learn) course is designed to help students reduce their communication and cultural gaps with Medical Spanish speaking patients. It focuses on developing medical Spanish 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:**

- Online 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, and may include an OSCE exam or other educational strategies.
Interdepartmental Electives

**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  
egonzalez@usf.edu  
(813) 974-2201

---

**Report to:**

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

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**Description:**

This elective is designed to provide USF Medical Students an opportunity to participate in an established international rotation. The rotation is intended to provide students with a broad understanding of the medical system and health care in a Spanish-speaking country. It aims to enhance cross-cultural competencies and foster an appreciation for the unique aspects of medical practice in Hispanic and non-Hispanic cultural contexts.

**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 complaint)
   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 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 personnel on their patients focusing on 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 variety of settings.
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:

Interested students should sign up no later than 6 months prior to the course. Students should also plan to schedule a meeting with Drs. Callegari or Gonzalez to review the requirements no later than 6 months prior to the course.

Emergency medical insurance is required for all electives abroad. For all International requirements, please contact the USF Health Office of International Affairs.

Contact:

MEL 8939
Clinical Science Review

Click here for additional course information.
<table>
<thead>
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<td>123</td>
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<td>Click here for additional course information</td>
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</tbody>
</table>
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, a clinical faculty member who leads students in the process of teaching.

Objectives: At the end of this elective the student will be able to:

1. Demonstrate an understanding of the role of an academic physician in the pre-clerkship curriculum
2. Analyze how to integrate basic science teaching in the clinical setting
3. Examine and demonstrate the concepts of bedside teaching
4. Compare effective teaching methods/strategies, feedback/evaluation strategies, and approaches
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 traditional teaching

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 objective 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:

Special Instructions:
Please submit a brief email to one of the faculty prior to signing up for this elective indicating any specific block you wish to comprise and your personal goals that you hope to achieve during this elective. Registration requires permission of the course director(s).
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</table>


**Course Title:**

MDE 8090

**Course Name:**

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. 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.

**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 teaching settings. Evaluation will include review of 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. Students must agree to hours requirements and need to inform concurrent senior course directors of their involvement in this longitudinal course.
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<td>(813) 974-2608</td>
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<tr>
<td>Contact:</td>
<td>Michael Ramsamooj</td>
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<td><a href="mailto:mramsamooj@usf.edu">mramsamooj@usf.edu</a></td>
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<td>(813) 974-9573</td>
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<td>1. Identify a research project that is agreed upon by the student and the PI</td>
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Contact: Javier Cuevas, Ph.D.
Professor and Associate Chair
jcuevas@usf.edu
(813) 974-1545

Report to: Faculty supervisor

Description: This elective will provide experiential learning in pharmacology research.

Objectives: The primary objective of this course is to introduce the student to the research environment. The focus is directed to the student's interest and the concurrence of the faculty. Enrollment, dates, and duration of the course are by arrangement.

Rotation Activities:
1. Develop hypothesis-driven research plan
2. Master specific research methodologies, such as biochemical assays, fluorescent imaging techniques, behavioral testing, molecular biology techniques, required for successful completion of project
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 registering.
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<tr>
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</thead>
</table>
Contact: Jessica Dominguez Rieg, Ph.D.
Assistant Professor
jdominguezrieg@usf.edu
(813) 974-4542

Report to: Faculty Supervisor

Description: This elective will provide experiential learning in physiology research.

Objectives: The primary objective of this course is to introduce the student to the research environment.

Rotation Activities:
1. Develop hypothesis-driven research plan
2. Master specific research methodologies, such as biochemical assays, fluorescent imaging
3. Compile and analyze data
4. Develop tables and figures based on data
5. Derive conclusions and present data via verbal and/or written communication

Patient Encounters:

Evaluation: A written report will be required.

Syllabus:

Visiting Students:

Special Instructions: Approval, dates, and duration of course must be arranged with a faculty mentor prior to regis
<table>
<thead>
<tr>
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<td>Hurst, Rebecca Clinical</td>
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</tbody>
</table>

**Contact:**

Shereena Farrington
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:** This rotation, students will become an integral part of a team that cares for patients with neurological disease. 4th year students who plan to join a Neurology residency program will be exposed to, and assessed in, activities that all residents will perform once they are entrusted to perform unsupervised once they have attained sufficient specific competence. In this elective, 4th year students who plan to join a Neurology residency program will be exposed to, and assessed in, activities that all residents will perform once they 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
7. Document patient encounters completely and efficiently
8. Perform general procedures of an neurology intern including lumbar puncture and the basics

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 be responsible for following and managing the patient they pick up.
2. Students will participate in neuroimaging, EEG, and EMG/NCS interpretation and lumbar puncture as applicable to their patients.
3. Students will attend and participate in weekly Neurology Morning Report sessions and weekly Neurology Didactic teaching sessions.
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
3. Review of documentation of patient encounters
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, basis.
Syllabus:

Visiting Students: No

Special Instructions: N/A

Neurology

MDT 8800 Neuroimmuno in Neuro Disease

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

Report to: Dr. Marzenna Wiranowska’s office

Contact Dr. Wiranowska prior to start of rotation at mwiranow@usf.edu.

Description: This is a 2-week elective for fourth year medical students under the supervision of Dr. Marzenna Wiranowska. This course will provide an introduction to the field of immunology and its role in neurological disorders. The course will cover a variety of topics, including autoimmune diseases of the CNS, CNS Vasculitis, Primary CNS tumors, Paraneoplastic Syndromes, Prion Diseases (Creutzfeldt-Jacob Disease) and Autism.

Objectives:

1. Students will appreciate the role that the immune system plays in many neurological conditions.
2. Students will learn about recent basic scientific advances in immunology and how they may translate into clinical therapies.
3. Students will appreciate the process of translating scientific discovery to bedside treatments.
4. Students will learn how to do a literature review and how to critically examine and interpret scientific literature.
5. Students will produce a final project examining the role of the immune system in a neurological disease chosen from the “List of Major Topics.”
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:

Patients 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, based on clinical evaluations and evaluation of their final project.

Syllabus:

Visiting Students:

Special Instructions:

Neurology MDE 8560 Intro to Physical Med and Rehab LVHN 1 - 11 Yr 4 Status 1 0 44 2,4 Radecki, Jeffrey Clinical
Contact: Jeffrey Radecki, MD
Jeffrey.Radecki@lvhn.org
(610) 402-3560

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

Description: The Physical Medicine and Rehabilitation/Physiatry elective is intended to allow students the opportunity to develop and expand upon their knowledge of the musculoskeletal system and consider the role of current interventional techniques in the care of patients with musculoskeletal issues. The focus of this rotation is on evaluating musculoskeletal injury/illness including but not limited to fluoroscopically guided interventional procedures and electro-diagnostic testing (EMGs).

Objectives: At the completion of this clinical rotation, students will be able to:

1. Complete a thorough History of Present Illness
2. Evaluate for risk factors contributing to current injury/illness
3. Perform complete musculoskeletal examination of patients
4. Use imaging appropriately in the evaluation of musculoskeletal injury/illness
5. Develop familiarity and comfort with medications used to mitigate illness/injury
6. Develop familiarity with Interventions such as epidural injections, radiofrequency ablation & acupuncture, and the use of these interventions in treatment plans
7. Develop treatment plan according to best practices

Rotation Activities:
1. Students will participate in the outpatient Physiatry clinics & the Inpatient Rehabilitation Facilities at the LVHN Cedar Crest and Muhlenberg campuses.
2. Students will follow the schedule created for the attendings and nurse practitioner with whom they work. They will have an opportunity to customize a unique schedule to provide exposure to areas of interest.
3. Care is provided at LVHN Cedar Crest and Muhlenberg locations treating patients from early adulthood to geriatric ages.
4. Students are expected to observe, perform selected history and physical evaluations, and learn about certain procedures appropriate for the Physiatry setting. All such procedures will be under the direct supervision of the attending physician.

Patient Encounters:

Evaluation: 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
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<tr>
<th>Neurol ogy</th>
<th>MDE 8580 Intro to Physical Med &amp; Rehab</th>
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Click here for additional course information

CoPatient 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
SC/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:

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

Special Instructions:

Special Instructions:

| Neurology | MEL 8871 Elect in Inpatient Gen Neuro | LVHN 1 - 11 | Yr 4 Status | 1 | 0 | 40 | 2,4 | Varrato, Jay | Clinical |
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:
**Neurology**

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<td>2.4</td>
<td>Hurst, Rebecca</td>
</tr>
</tbody>
</table>

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

**Special Instructions:**
Prior approval of 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 present cases to the Residents, do the relevant history and physical examination, and managing the patient they pick up. Neurological examination skills will be taught to the students at the bedside.
2. Students will participate in neuroimaging, EEG, and EMG/NCS interpretation as applicable to their patients.
3. Students will attend and participate in weekly Neurology Morning Report sessions and weekly Neurology Didactic teaching sessions and weekly Neurology Grand Rounds.

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

Evaluation:
Students on this rotation will be evaluated through the following methods:
1. Clinical History taking and examination will be evaluated by the Attending and weekly feedback will be given.
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.
3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:
1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the course director.

Syllabus:

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

Special Instructions:
Neurology
MEL 8671 Elect in Inpatient Gen Neuro

Click here for additional course information

Contact:
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

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
Rotation Activities:

Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will evaluate patients in the emergency room and in the hospital under Attending and Resident supervision. They will be expected to demonstrate knowledge of the disease process and be able to interpret laboratory studies, radiographs, and other diagnostic tests while managing the patient they pick up. Neurological examination skills will be taught to the students at the bedside.

2. Students will participate in neuroimaging, EEG, and EMG/NCS interpretation as applicable to their patients.

3. Students will attend and participate in weekly Neurology Morning Report sessions and weekly Neurology Didactic teaching sessions and weekly Neurology Grand Rounds.

Patient Encounters:

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

Evaluation:

Students on this rotation will be evaluated through the following methods:

1. Clinical History taking and examination will be evaluated by the Attending and weekly feedback will be given.

2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.

3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance

2. Through feedback and final assessment at the end of the rotation by the course director, based on clinical evaluations completed by all Residents and Attendings who worked with them.

Syllabus:

Visiting Students:

Yes.

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

N/A
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 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. Students may do a two or four-week elective in the Tampa General Hospital Comprehensive Epilepsy Program, USF clinics at various locations, and All Children's Hospital. The student will become an integral part of a team that specializes in the care of patients with refractory epilepsy.

Objectives:
1. Students should understand the differential diagnosis of epilepsy
2. Students should understand the difference between the different types of seizures and epilepsy syndromes and their implications
3. Students will learn the basics of EEG interpretation
4. Students should know the basics of video-EEG monitoring including its role and limitations
5. Students will learn the medical management of epilepsy patients and will be able to select the appropriate medications for patients with different types of epilepsy
6. Students will become familiar with identifying refractory epilepsy patients and will familiarize themselves with the non-medical treatments of epilepsy
7. Students will learn the pre-surgical approach to patients with refractory focal epilepsies

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 thorough epilepsy history and understand the spectrum of epilepsy syndromes.
2. Students will round with the Attendings (and Fellows when applicable) on the patients in the video-EEG monitoring unit daily.
3. Students will have the opportunity to understand the basics of electroencephalography by reviewing studies with the Fellows and Attendings daily.
4. Students will have several opportunities throughout the month to participate in Wada testing, which is used for language and memory lateralization.
5. Attendance at weekly epilepsy surgery conference is mandatory.
6. Interested students may also spend a few days at the pediatric epilepsy clinic and video-EEG monitoring unit at All Children's Hospital based on availability.
7. Students may attend and participate in weekly Neurology Morning Report sessions and weekly Neurology Didactic teaching sessions and weekly Neurology Grand Rounds.

Patient Encounters:
Students will see patients presenting with epileptic seizures and mimics of epilepsy such as...
Evaluation:

Students on this rotation will be evaluated through the following methods:

1. Clinical History taking and examination will be evaluated by the Attending and weekly feedback will be given.
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.
3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the course director.

Syllabus:

Visiting Students:

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

Special Instructions:

Neurology

MEL 8674 Elect in Headache & Pain Med

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 gain a comprehensive understanding of headache and pain medicine. Students will work closely with the Headache and Pain Medicine team, including Primary Care Physicians, Pain Specialists, and Neurologists. 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 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 blockade.
4. Students will have the opportunity to learn acute treatment of a variety of headaches by attending the Headache Infusion Suite.
5. Students will become acquainted with the interdisciplinary therapeutic Headache and Pain Medicine Team including but not limited to neuromuscular re-education/biofeedback, physical therapy, occupational therapy, and psychological intervention.

Participation in Didactic Lectures and Journal Clubs is mandatory.
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 have the opportunity to observe and participate in the management of patients presenting with acute headache and pain issues on the inpatient service at TGH and at the Headache Infusion Suite.

Evaluation:
Students on this rotation will be evaluated through the following methods:

1. Clinical history taking and physical examination skills will be evaluated by the Attending at the end of the rotation.
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.
3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance.
2. Through feedback and final assessment at the end of the rotation by the course director.
Syllabus:

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

Special Instructions:
N/A

Neurology
MEL 8675 Elective in Movement Disorders

Click here for additional course information

Contact:
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 Neurologists and Neurosurgeons.

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.
Objectives:
1. Students will understand the pathophysiology of common movement disorders.
2. Students will learn how to diagnose patients presenting with movement disorders such as Parkinson’s disease, atypical parkinsonisms, Essential Tremor, Dystonia, Ataxias, Huntington’s disease and Tic disorders.
3. Students will learn about the medical management of patients with movement disorders, including observing botulinum toxin injections.
4. Students will learn about the surgical management options (DBS) for patients with advanced Parkinson’s disease and dystonia.

Rotation Activities:
Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:
1. Students will learn how to obtain a comprehensive medical and neurological history in patients presenting with movement disorders.
2. Students will learn how to do a detailed neurological examination in patients presenting with movement disorders under the supervision of the Attending physician.
3. Students will observe the use of botulinum toxin injections in the treatment of certain movement disorders.
4. Students will learn how to select appropriate patients for surgical treatment with Deep Brain Stimulation (DBS).
5. Students will have the opportunity to observe clinical trial visits evaluating the efficacy of experimental drugs in treating various movement disorders.
6. Opportunities to participate in research projects are available.

Patient Encounters:
Students see patients at the North and South Campus Movement Disorder clinics under the supervision of Drs. Zesiewicz, ... rotate with the Movement Disorders Neurosurgeons (Drs. Smith and Vale) either in the operating room or in their clinics.

Evaluation:
Students on this rotation will be evaluated through the following methods:
1. Clinical history taking and physical examination skills will be evaluated by the Attending and weekly feedback will be given.
2. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:
1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the course director, 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:

LVHN 1 - 11 1 0 44-50 2.4 Clinical
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:

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:

Special Instructions: Prior approval of Dr. Varrato is required 3 months prior to the rotation.

Neurology

MEL 8677 Outpatient Neurology

1 - 11 None 2 0 44-50 2,4 Hurst, Rebecca Clinical

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 setting.

The department may assign students to USF Clinics, the James A. Haley or Bay Pines Veterans 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 clinical history and perform a physical examination under Attending supervision. 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.
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, back 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:
Description:
This elective is designed to give fourth-year students more extensive exposure to the practice of Vascular Neurology. The course will focus on various aspects of cerebrovascular disease, including 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.

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

Report to:
1250 Building, 4th Floor
Neurology Department
Monday at 7:15 AM
**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. Varra prior to scheduling.

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

**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

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The elective is under the supervision of Dr. David Rose. During this rotation, third or fourth-year medical students may participate in the care of patients with stroke, comprehensive geriatric assessment, and inpatient rehabilitation. 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 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 neurorehabilitation.
4. Students will also get exposure to interventional neurology as it pertains to the management of ischemic stroke and subarachnoid hemorrhage (intravascular clot removal, intravascular aneurysm coiling, etc.).
5. Students gain experience in critical care neurology as it pertains to the management of patients with ischemic stroke, intracerebral hemorrhage and subarachnoid hemorrhage.
6. 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 under the supervision of the 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:

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<th>MDR 8800 Research in Neurology</th>
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</table>

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

Report to: Contact 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 a variety of neurological diseases including but not limited to multiple sclerosis, multiple system atrophy, Parkinson’s disease, Wilson’s disease, movement disorders, 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:

Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will meet with the Course Director (Dr. Brock) prior to and at the start of the rotation to delineate a topic of interest and identify a Research Mentor (if not already identified).

2. In conjunction with their Research Mentor, students will perform an in-depth literature review, formulate a hypothesis, 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 perform a literature review and produce a manuscript implies that the student has already done previous work on the research project prior to enrolling in this elective.

Patient Encounters:

N/A

Evaluation:

The student’s final grade will be based on a review of their final manuscript by the Course Director.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance from their Research Mentor

2. Through feedback and final assessment at the end of the rotation by the Course Director.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

N/A

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</table>
MDI 8650 Neurosurgery AI

Contact: 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 various aspects of care and management of neurosurgical illness and active participation in the radiological, clinical, and teaching rounds.

Objectives:

- Students will learn and apply the specifics regarding performing neurological exams; collecting a detailed patient history; performing and/or assisting in patient evaluations and minor procedures with the direct supervision of a neurosurgical resident and/or attending.
- Students will demonstrate interpersonal and communication skills through their interactions with patients and their families, maintaining respectfulness; be open to educational opportunities, and receptive to constructive criticism from supervising personnel.
- Students will participate in team-based learning exercises; perform literature and/or database searches on specific topics; participate in educational activities and present a paper or poster at Grand Rounds Conference.
- Students will improve their ability to work effectively and efficiently in a busy healthcare system; employ collaborative approaches that effectively make use of healthcare resources.

Rotation Activities:

- Students will participate in daily ward rounds and will be integrated into the ward management team. Participating in part of the daily patient care will be geared toward individual talents at the discretion of the attending surgeon.
- Didactics: Students will be expected to attend Grand Rounds Conference on Friday mornings from 7:30 - 9:30 AM. Depending on the topic, students will be asked to present a paper or poster. Students will be expected to prepare a 10 minute presentation on a neurosurgical topic, to both demonstrate and develop their presentation skills.

Patient Encounters:

- Students will have the opportunity to work with patients in the outpatient clinics of USF Health's STC Building, Tampa General Hospital's Neuroscience ICU, and Tampa General Hospital's fifth floor inpatient care.

Evaluation:

At the conclusion of the rotation, the student should be quite familiar with and have a basic appreciation of the scope of neurosurgical practice and be able to perform and contribute to the care of patients in various aspects of neurosurgical illness. The student's performance will be evaluated by the attending resident or attending based on their ward performance, conference performance, and the quality of their histories and physicals.

Syllabus:

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

Special Instructions:
USF students are encouraged to enroll in period 2 or 3.
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Contact: Joseph Stirparo, MD

Joseph_J.Stirparo@lvhn.org

Report to: LVHN Cedar crest

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 problems. This will include time spent in 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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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 mem.

Description: This rotation is considered an introductory step for students who may be planning an academic course and can be tailored to the individual student's interests and needs.

Students will identify a specific research topic of interest, whether independently, or in collaboration. Research proposals should be submitted to Dr. Greenberg and Kelly Thompson at least two weeks prior to the start of the course to ensure adequate time for review, revisions, and planning.

Objectives: A preliminary outline of the depth and goals of their research period.

Review published literature pertaining to the clinical area or topic; evaluate and critique publications...

Familiarize themselves with the various methods associated with data collection, interpretation, and analysis.

Gain a general understanding of the opportunities, sources, and challenges associated with securing funding and resources for research.

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, functional imaging, histology, and brain tumors, and spinal biomechanics. Short clinical research projects can also be arranged if planned well in advance.

Patient Encounters:

Patient interaction will be limited, and non-clinical in nature. If the project proposal requires patient interaction the student must provide a full explanation of the nature of the observation and/or encounters, along with a justification in the initial proposal.

Evaluation:

Evaluation will be based on faculty assessment of the student's research productivity, including a final report submission explaining methods, findings, conclusions, unknowns, implications, etc.

Syllabus:

Visiting Students:

Special Instructions: 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...
Objectives:
1. Will act as the primary provider (house officer): admit, develop management and diagnostic plans for gynecologic oncology patients.
2. Will follow up on patient’s status and develops new management and diagnostic plans for assigned patients.
3. Will be assistant surgeon for procedures as level of training allows.
4. Will follow, round on, document upon, and present assigned patients on the gynecologic oncology service.
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.
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 cancer.
9. Will research, prepare, and present a 15 minute oral presentation relating to a chosen gynecologic oncology topic during the rotation.

Rotation Activities:
The student will work with the Gynecologic Oncology team caring for patients on the wards, in the OR, and in the ambulatory setting.
1. Participate in new consults and emergency room evaluations as acting intern and be responsible for examining and documenting patients.
2. The student will attend all conferences and lectures that the Gynecologic team intern is required to attend.
3. The student will be responsible for writing clinic and/or inpatient notes as assigned by the chief resident.

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.
Ob/Gyn | MDE 8164 Adv Ob/Gyn Milestone Elective | LVHN 111A | Yr 4 Status | No Limit | 0 | 40 | 2 | Jones, Stephanie | Clinical
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 and gynecology. It will provide an opportunity for students to gain practical experience in the care of pregnant patients and to learn about the medical and surgical aspects of obstetrics and gynecology. Through interaction with clinical faculty, students will obtain knowledge and skills that will help 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. Demonstrates knowledge of basic abdominal and pelvic anatomy
6. Demonstrates 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 be done through 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 case 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
MDE 8165
Gynecology Elective

Click here for additional course information

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 and gynecologic surgery. Students will be responsible for completing all intern related administrative tasks under supervision of gynecology resident and assigned faculty mentor.

Objectives:
1. Will act as the primary provider (house officer): admit, develop management and diagnostic plan for the gynecology patient and have plan for initial orders for assigned patients
2. Will follow up on patient’s status and develops new management and diagnostic plans for assigned gynecology patients
3. Will be assistant surgeon and/or participate in procedures as level of training allows
4. Will follow, round on, document upon, and present assigned patients on the gynecology service during daily rounds
5. Will manage a sufficient number of patients as an acting intern to gain skills, attitudes, and knowledge necessary to function as the primary physician and demonstrate critical aspects of caring for gynecology patients
6. Will see patient in the ambulatory gynecology office setting with faculty attendings when assigned
7. Will participate in and develop 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:
   - 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
5. Complete Passport
6. Complete Log Sheet regarding surgeries

Patient Encounters:

Evaluation:

Written 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:

Yes. Apply via 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 lo, Kara Clinical
Description:
The purpose of this rotation is to advance your knowledge in the area of Maternal Fetal Medicine. Below is the general description of the rotation and the objectives that students will be expected to achieve.

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 obstetric 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:
Dr. Coassolo is the preceptor for the rotation, though it is expected that you will interact with the entire MFM staff. Students will meet with Dr. Coassolo at the starting, mid-point and completion of the rotation. YOU ARE RESPONSIBLE FOR SETTING ALL MEETINGS WITH DR. COASSOLO. She will contact you by email the week prior to the rotation with more specific instructions for the first day. Kara_M.Coassolo@lvhn.org

2. Students are expected to function as a member of the MFM team. The team consists of the MFM personnel including physicians, nurse practitioners, and genetic counselors. You will interact with the team and the greater initiative and interest you show, the better the experience will be for you.

3. When in the office, Students are expected to:
   - Watch ultrasounds and all perinatal procedures
   - Participate in consults with the physicians, nurse practitioners, and genetic counselors

4. Students are expected to follow and participate in the care of designated antepartum patients.

5. Students will have the opportunity and be expected to see an appropriate distribution of patients.

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.

Patient Encounters:
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

Contact:
Stephanie-ma_l.jones@lvhn.org

Ob/Gyn Obstetrics Clinical
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 comparable to an on-service by completing all related clinical and administrative tasks under supervision of assigned faculty mentor.

Objectives:
1. Perform initial assessment of patients in the triage area by conducting history and supervised physical exams, and orient patients regarding management, admitting patients as appropriate and counseling patients being discharged on necessary follow-up.
2. In conjunction with residents and attending staff, perform ongoing assessment of intrapartum patients and manage their labor progress.
4. Participate in cesarean deliveries with level of participation 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, general ob/gyn attending physicians, laborist, MFM specialist, ED resident, third year medical students, CNM, and nurses.
3. Students are expected to follow and participate in the care of designated patients. S/he will be assigned 1-3 patients dependent on availability. S/he will work with the appropriate resident and on-service attending, and contribute to management decisions of these patients.
4. Students will have the opportunity and be expected to see an appropriate distribution of patients that correlates with the level of training. Failure to complete this list during your rotation may result in an incomplete rotation.
5. Students will be expected to present a 15 minute talk during the last week of the rotation. This presentation will 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 night 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:
- Daily 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

Ob/Gyn | MDI 8162 | LVHN 1-11 | Yr 4 Status | 1 | 0 | 80 | 4 | Black, Christina | Clinical

Contact: Dr. Christina Black
Christina_M.Black@lvhn.org
Report to: Lehigh Valley Hospital – 17th Street
Monday 7:00 AM

Contact chief gynecology resident by email to get a list of assigned cases for the following day.

Description: Students will be expected to demonstrate a level of skill in-patient care of both gynecology in-patients and outpatients. They will be expected to demonstrate a level of skill in-patient care of both gynecology in-patients and outpatients.

Objectives:
1. Will act as the primary provider (house officer): admit, develop management and diagnostic plans for assigned patients.
2. Will follow up on patient’s status and develop 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 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 of:

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 Subspecialty Elective
TGH 6-11  Ob/Gyn AI
4 0 40 4  Rapkin, David  Clinical
Description:
This elective is offered to introduce the fourth year medical students to 2 subspecialties within the field of Obstetrics and Gynecology (Ob/Gyn). The goal is to provide a unique experience that enhances the students' knowledge and understanding of specific areas of interest. Students will have the opportunity to work closely with faculty members and gain hands-on experience in their chosen subspecialty.

Objectives:
1. Provide an introduction and appreciation to an Ob/Gyn sub-specialty
2. Develop student independent interest and research in the sub-specialty
3. Provide the student with a clinical interactive opportunity with a sub-specialty attending

Subspecialties available in the following areas:
- GYN Oncology
- Female Pelvic Medicine & Reconstructive Surgery (FPMRS)
- Maternal Fetal Medicine
- REI (Reproductive Endocrinology & Infertility)
- Outpatient Generalist Ob/Gyn

Rotation Activities:
The student will report to the subspecialty divisions which they have chosen at that time the best clinical experience will be discussed with the division members to obtain the most clinically active insight into the 2-week subspecialty rotation.

Patient Encounters:

Evaluation:
The division director of each sub-specialty will be responsible for evaluating the student.

Syllabus:

Visiting Students:

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
| Ob/Gyn MDI 8160 Ob/Gyn Acting Internship | LVHN 1-11 Yr 4 Status 2 0 40-60 4 | Jones, Stephanie
| Clinical |

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

Description:
This course is for those students who wish to gain additional experience in Obstetrics and Gynecology. Requests for the opportunity to perform should be directed toward the student's preceptor. Patients are selected by the attending staff or students in consultation with their preceptors. No formal application is necessary. 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 examination, which may include testing for pelvic inflammatory disease (PID), endometriosis, uterine fibroids, and other gynecologic and obstetric conditions. The student is responsible for documenting the assessment and treatment plan in the medical record. This includes admission of patients to the labor and delivery unit as appropriate.

2. In conjunction with residents and attending staff, perform ongoing assessment of intrapartum patients and manage their labor progression. This includes monitoring for complications such as preterm labor, oxytocin augmentation, and fetal distress.

3. Under supervision, perform vaginal deliveries and laceration repair. The student is responsible for performing the initial assessment of the newborn, including Apgar scoring and establishing airway management. The student is expected to perform the majority of the vaginal delivery, with the attending staff or resident providing assistance as needed.

4. Participate in cesarean deliveries with level of participation appropriate for the level of training. The student is responsible for performing the initial assessment of the newborn, including Apgar scoring and establishing airway management. The student is expected to participate in the delivery of the newborn, with the attending staff or resident providing assistance as needed.

5. Perform postpartum rounds with resident obstetrics team. The student is responsible for documenting any pertinent observations and counseling patients regarding follow-up care.

6. May engage in antepartum teaching rounds.
Rotation Activities:

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

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

3. Acting Intern is expected to follow and participate in the care of designated patients. She or he will be assigned 1-3 patients to follow with the appropriate resident and on-service attending, and contributing to management decisions of these patients.

4. Acting Intern will have the opportunity and be expected to see an appropriate distribution of patients that correlates with the appropriate distribution of the patients presented to the chief on-call resident.

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 ob/gyn clinic in a general ob/gyn's office. The patient should primarily focus on preconception consults, antepartum obstetric care, and postpartum follow-up.

7. The acting intern is expected to complete/discuss four APGO obstetrics topics with a faculty member. The topics and questions are on L&D in the LRC in a binder.

8. Acting intern will be expected to contribute to a medical student lecture to third year students. They are expected to contribute a 10-20 minute portion of the lecture. The topic will be decided upon with the student and the preceptor.

Call Schedule:

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

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 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.

- Oral Presentations - You will be responsible for an oral case presentation that you will give to other residents and medical students. You will give a 10-20 minutes lecture on a topic during the medical student lecture series.

- Obstetrical Passport –
  You must complete and hand in a passport of activities.

- Written Notes - You are required to complete a H&P weekly. Also a postpartum note for both c-section and vaginal delivery. These notes can be typed or hand-written but should not be copied from EPIC.

- Oral Teaching Cases - You will be assessed on weekly obstetrical teaching cases by residents.
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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Click here for additional course information

**Contact:**

Melissa Mancao
mjmancao@health.usf.edu

**Report to:**

South 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

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 throughout the rotation. Patient Encounters:

Students will be asked to manage at least 2 patients at all times when volume permits: Triage, Labor and Delivery.

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.
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Click here for additional course information

Contact: Dr. Bri Anne McKeon

bamcpeon@usf.edu

Report 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, and accountable for, 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.

References:
1. Core Entrustable Professional Activities for Entering Residency, A Curriculum Developers Guide
https://icollaborative.aamc.org/resource/887/
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.
Rotation Activities: Students on this rotation will be expected to participate in the following activities to meet the goals and objectives stated above:

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>
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Students will rotate on the Internal and Hospital Medicine (IHM) Inpatient service at Moffitt Cancer Center.

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:
10-30 total

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
**Description:** This elective is designed to introduce fourth year medical students to palliative care in an oncology setting. Under the supervision of Dr. 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, psychiatric, social, spiritual, cultural, care of the imminently dying patient, and ethical and legal aspects of care)
2. Recognize how to effectively assess and manage complex symptoms including dyspnea, nausea, constipation, anxiety, depression, 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 palliative care clinic. The inpatient consults will focus on patients who are dying or expected to die soon, where they will gain experience in giving bad news, discussing advance care planning, and identifying symptoms common at the end of life and managing them.

**Patient Encounters:**

**Evaluation:** Students will be evaluated based on clinical evaluations completed by the course director. The evaluation criteria include 25% oral presentation, 10% professionalism, and 65% of patient interviews/clinical notes and required journal article reading.

**Visiting Students:**

**Special Instructions:** Prior Approval Required: Any interested student MUST meet with Dr. Bromberg to plan the elective.
<table>
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Description:
This elective is designed to introduce senior students to the practice of Genitourinary (GU) Oncology. Under the direction of Dr. Michael Poch, students participating in a 4-week rotation 1 week will be spent 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
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 and with patients as well?

Syllabus:

Visiting Students:

Special Instructions:

Description:
The elective is designed to provide exposure to the presentation, evaluation and treatment of patients with lung and thoracic 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 Xray and Chest CT Scan images and findings
4. Demonstrate solid knowledge of chest anatomy and cardio-pulmonary physiology
5. Demonstrate proficiency in the following technical skills: bronchoscopy, 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:

Evaluation:
The student will be evaluated by the course director at the end of the elective, based on clinical evaluations completed by the supervising surgical attending during the month of rotation. 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:

Special Instructions:
Contact: Kristen J. Otto
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: Contact Dr. Otto prior to the start of the rotation for instructions on where to report.

Description: The elective is designed to give medical students an experience with multidisciplinary cancer care.

Objectives:
1. Develop an understanding of the clinical applications of head and neck anatomy
2. Practice taking a history on a complex head and neck cancer patient, learn the salient symptoms 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 in-patient management with the Head and Neck Oncology team
8. Learn the basic principles involved in Head and Neck radiation planning
9. Learn the basic principles involved in chemotherapy, clinical assessment and evaluation of toxicities in Head and Neck cancer patients

Rotation Activities:
Two-week rotation in Head and Neck Surgery
One-week rotation with Head and Neck Radiation Oncology
One-week rotation with Head and Neck Medical Oncology

We will modify accordingly for students interested in two-week rotation.
Patient Encounters:

Students will be evaluated by the course director at the end of the rotation, with input from faculty members and residents and fellows with whom the student has worked.

Syllabus:

Visiting Students:

- No

Special Instructions:

- N/A
Coastal Carolina University

John.Kiluk@moffitt.org

Report to:
John.Kiluk@moffitt.org
prior to the rotation for instructions

Description:
This elective is designed for medical students who wish to gain an in-depth experience in surgical oncology. The course .....

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) 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 and Neck
- Urology
As well as 2 days of medical oncology and 2 days of radiation oncology.

Patient Encounters:

Evaluation:
The student will be evaluated by the course director at the end of the course. The evaluation will be based upon feedback from the attending surgeons that the student worked with. The course will be designed to be satisfactory or unsatisfactory.

Syllabus:

Visiting Students:
Yes.

Apply via
USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Prior Approval Required: Students interested in a Surgical Oncology elective at Moffitt need to contact John Kiluk to request a place in the course. Special rotations may be dependent on availability of faculty that can be influenced by national meetings and vacations.

MCC 1 0 40 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 oncology and hematology. The student will be evaluated on the basis of the adequacy of patient evaluation and case presentations.

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

**Rotation Activities:**
- Clinic
- Noon Lectures
- Tumor Boards
- Patient Encounters:

**Evaluation:**
Students will receive an evaluation by their preceptor.

**Syllabus:**

**Visiting Students:**
No visiting students are allowed.

**Special Instructions:**
Please contact Lorie Jennings and Dr. Michael Jaglal at least one month prior to the rotation.
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 wide variety 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
6. Management of neutropenia and immunocompromised patients

Rotation Activities:
Rotate on the 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.
**Oncologic Sciences**

MEL 8362 Infect-Cancer /Bone Marrow

**MCC** 1 - 11 Adult Med, Pri Care 1 0 44 2,4 Baluch, Aliyah Clinical

**Contact:**

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 includes autologous transplants, allogeneic transplants, and patients with HIV/AIDS. The BMT ID is also consulted for infections related to the immunosuppressed (CMV, EBV, BK, adenovirus, etc).

**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 the ID service pharmacist. Additional laboratory rounds and microbiology rounds are also required. Additional research projects are available on request during the rotation.

**Patient Encounters:**

There are three distinct types of patients on the service. The BMT CI service includes autologous transplants, allogeneic transplants, and patients with HIV/AIDS. The BMT ID is also consulted for 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 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 a blood & marrow transplant or cellular therapy. Some students may wish to spend time on the Inpatient BMT or Cellular Therapy setting. In this setting, the student will participate in the evaluation and care of patients in the Outpatient BMT CI Clinics and Treatment Center. Optional inpatient care is available for those students who wish to rotate.

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 the diseases in which each type of transplantation may play a role in therapy.
4. Understand the posttransplantation care and complications that can occur.
5. Learn about the evaluation and care of patients undergoing active follow-up and patients undergoing outpatient transplant and outpatient cellular therapy.

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: No

Special Instructions: N/A
Description:
The Department of Radiation Oncology, Moffitt Cancer Center, provides comprehensive, patient-oriented care for all types of cancer.

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 principles 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 examine patients to assess tumor response and progression.
4. To enhance the clinical experience and further knowledge, students will be required to do a minimum of 10 pertinent articles from the medical literature

Rotation Activities:
1. Attend all departmental conferences and multidisciplinary conferences with the preceptors
2. Participate in simulations, procedures, follow-ups, on treatment visits and treatment planning
3. 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:
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**Course:**

**Contact:**

USF Eye Institute Administrative Offices
1st Floor FOB
First day of rotation

**Description:**

This course teaches the ophthalmic signs and symptoms of systemic medical disease through lectures and patient encounters.

**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:**

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

**Special Instructions:**

None
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 identify and treat primary ophthalmic conditions including dry eye syndrome, cataract, glaucoma, and macular degeneration.

Objectives:
1. Learn how medical conditions affect the eyes
2. Identify and treat basic ophthalmic conditions
3. Perform a basic eye exam, including slit lamp exam, direct and indirect ophthalmoscopy
4. Learn basics of ophthalmic equipment including topography, biometry, and visual field tests.
5. Learn how to triage ophthalmic complaints and learn when to refer and when to treat in a primary care setting

Rotation Activities:
Outpatient care of patients with attention to basic exam components and equipment

Patient Encounters:

Evaluation:

Syllabus:

Visiting Students:

Special Approvals Required.
**Course:** Ophthalmology

**MEL 8506**

**Cornea/External Disease**

**MCAH**

1 - 11 (Yr 4); 9 - 11 (Yr 3)

**None**

1  0  44  2.4  España, Edgar  Clinical

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**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 rotations and clinical activities in the department.

**Objectives:**

Students will have basic knowledge of the anatomy, clinical exam, and pathology of disease affecting the cornea.

**Rotation Activities:**

Attendance in clinic and surgeries

**Patient Encounters:**

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
Ophthal Elective

Contact: TBD

Report to: USF Eye Institute Administrative Offices
1st Floor FOB
First day of rotation

Description: This course is designed for students interested in ophthalmology as a career. Students will participate in the clinic and surgeries. They are required to present and discuss a patient they have evaluated during the course at the departmental case conference.

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

Rotation Activities:
- Attendance in clinic and surgeries

Patient Encounters:

Evaluations: Students on this rotation will be evaluated through the following methods:
1. Clinical History taking and examination will be evaluated by the attendings and a weekly feedback will be given.
2. Students will get weekly assessments of their performance.
3. Students will also get feedback and final assessment at the end of the rotation.

Syllabus:

Visiting Students: No

Special Instructions: N/A
Description: Students will evaluate patients with diabetic retinopathy, hypertensive retinopathy, senile macular degeneration, and retinal detachment. 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:

Special Instructions:

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 retinal detachment. 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:

Special Instructions:
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 entities in ophthalmology. The course includes an overview of the anatomy, clinical exam, and pathology of the disease. The rotation allows students to evaluate patients with glaucoma at the departmental teaching conference. Presenting 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.

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
Status: No Limit
Limit: 44
Duration: 4
Course Type: Faculty Externship

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Ophthalmalogy Externship - Ophthalmalogy
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Description:
This elective is designed to introduce 3rd year medical students to the subspecialty of pediatric orthopaedic surgery.

Objectives:
Students will gain knowledge and exposure to a wide variety of acute and chronic conditions of the musculoskeletal system. 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 diseases. The students will be expected to complete a patient-doctor encounter, self-reflection, and critical reflection of what they have learned during the rotation. This write-up will be evaluated by Dr. Maciel.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
MDT 8600D
Intro to Orthopaedic Trauma
Click here for additional course information

Contact: Nicole Rives
nrives@health.usf.edu

Report to: Will be 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 orthopedic trauma. Students will learn about the anatomy and physiology of the musculoskeletal system, with emphasis on the upper and lower extremities and joints. They will also learn how to accurately diagnose, properly manage, and appropriately consult for common orthopedic conditions and emergencies.

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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<th>Mir, Hassan</th>
<th>Clinical</th>
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Contact: Nicole Rives
nrives@health.usf.edu

Reports: provided one week prior to the start of the rotation.

Description: Students will also have the opportunity to work with the faculty and residents of the Department of Orthopaedics & Sports Medicine. Students will have the opportunity to work with the faculty and residents of the Department of Orthopaedics & Sports Medicine on the surgical treatment of benign and malignant disease, sports medicine injuries and trauma of the musculoskeletal system.

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
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 participate in the weekly orthopaedic core lecture series on Friday mornings from 7 am - 9 am. Students will participate in the weekly orthopaedic core lecture series on Friday mornings from 7 am - 9 am.

Patient Encounters:

Evaluations: Evaluations will be done on an individual basis by the clinical preceptors and will be based on student performance.

Syllabus:

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

Special Instructions:
<table>
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<tr>
<th>Ortho</th>
<th>MEL 7320U Externship - Orthopaedics</th>
<th>EXT</th>
<th>1 - 9</th>
<th>Yr 4 Status</th>
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<td>MEL 9999U Indep Study - Orthopaedics</td>
<td>USFMS</td>
<td>1 - 7</td>
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<td>Otolaryngology AI</td>
<td>MEL 7816</td>
<td>MC/TG /VA/M</td>
<td>Yr 4 Status</td>
<td>3</td>
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</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 students 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 considered a senior elective. 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 clerkship. The objective is for students to gain 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 examination, 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, technical skills, objective evaluation, patient care, and rapport with patients and families and subjective elements of interpersonal relationships, motivation, and ability.

**Syllabus:**

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

**Special Instructions:**
**Description:**
This clinical preceptorship is designed to provide an in-depth experience in the practice of otolaryngology and should be followed by the operative procedures on selected patients. Trainees 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. Upon completion of the elective, all students will be able to demonstrate proficiency in the modern diagnosis and management of head and neck cancer, maxillofacial trauma, epistaxis, hoarseness, and dysphasia.

**Patient Encounters:**
Evaluation will be prepared by otolaryngology faculty based on the following: fund of medical knowledge, skill in history and physical examination, knowledge of therapeutic and diagnostic modalities, demonstration of judgment, and rapport with patients and families and subjective elements of interpersonal relationships, motivation, and ability.

**Syllabus:**

**Visiting Students:**
No limit

**Special Instructions:**
N/A
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<th>Otolaryn</th>
<th>MEL 9999T Indep Study - Otolaryngology</th>
<th>USFMS</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
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<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>
<td>2.4</td>
<td>Cornfield, Dennis</td>
</tr>
</tbody>
</table>
Description: 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: N/A

Evaluation: 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: N/A
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 mburnham@usf.edu.

Description:
The objective of this course is to strengthen the students in areas of anatomic pathology relevant to the practice of clinical 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
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. Participation 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:
**Path**

<table>
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<tr>
<th>BMS 7663 Anatomic Pathology</th>
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<tbody>
<tr>
<td>T-VAH 3-11 Yr 4 Status 1 0 40-44 2,4 Bulkeley, William</td>
</tr>
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</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 pathology.

**Objectives:**
1. Analyze the role of the pathologist in different professional activities (to focus on anatomic pathology)
2. Analyze important features of selected cases and the interplay with other areas of pathology
3. Demonstrate appropriate handling and processing of a tissue specimen from receipt within the pathology gross room until its status as a finished product on a glass slide
4. Identify major histologic abnormalities in different organ systems
5. Describe the limitations and benefits of frozen section

**Rotation Activities:** Students will observe and participate in the daily activities in Anatomic Pathology, including autopsy, practical tissue handling, and 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:** Students should contact the Pathology & Laboratory Medicine Service secretary (813) 972-20
BMS 7664
Flexible Elective in Pathology
Hakam, Ardeshir
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(s) and Fellow how to perform tissue examination 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. The resident provides an assignment schedule for the Pathology Residents and is distributed at the beginning of the rotation.

Cytopathology (Sign out & Intra-Operative Evaluation)

During this assignment, students shadow the resident(s) and Fellow on the cytology service, perform cytological diagnosis, and processing 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 Flexible Elective in Pathology

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 elective is to gain experience regarding the practice of pathology for those students considering a career in pathology. Particular attention will be given to correlation between clinical information and pathologic findings.

Objectives:
1. Analyze the role of the pathologist in different professional activities (including anatomic pathology and clinical pathology)
2. Analyze important features of selected cases and the interplay with other areas of pathology
3. Demonstrate appropriate handling and processing of a tissue specimen from receipt within the pathology gross room until its status as a finished product on a glass slide
4. Identify major histologic abnormalities in different organ systems.

Rotation Activities: Students will observe and participate in the daily activities in Anatomic and Clinical Pathology, including autopsy. The role of the pathologist as consultant and educator will be demonstrated. 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
Description: The objective of this course is to introduce the students to the principles used by the cytopathologist to recognize neoplasms and non-neoplastic lesions as they prepare cytologic specimens. There may be opportunities to observe procedures as well.

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 patient care, 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:
Visiting Students: 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 to: 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 abnormalities of cytopathic cells and to learn the techniques that are used by pathologists and technologists 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 routine cytopathology as well as observing pathologist performed Fine Needle Aspirations (FNA) and Touch Prep diagnosis of sentinel lymph nodes.  

- **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 as they prepare and examine tissues from a variety of different sources ranging from bone to excised tumors to lymph nodes. Students will learn how to examine and appropriate sectioning 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 and processing cytology specimens. Students will be learning about 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, and sign out with the pathologist on report. They also participate in intraoperative imprint cytology slide preparation and diagnosis of sentinel lymph nodes.  

Patient Encounters:  
Minimal (FNA)  

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

Syllabus:  

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

Special Instructions: Clearance from USF/Moffitt prior to start of rotation
The objective of this elective is to acquaint the student with appropriate technical and interpretative laboratory tests. The current economic emphasis places even greater importance on the proper use of the laboratory by the physician.

Objectives:
1. Analyze the role of the clinical pathologist in different professional activities
2. Analyze important features of selected cases and the interplay with other areas of pathology
3. Become familiar with the processes and procedures utilized in various areas of clinical pathology.

Rotation Activities:
The student will participate under supervision in several areas of the clinical laboratory of his or her choice such as hematology, chemistry, serology, and microbiology. 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.
Collette Burnham
mburnham@usf.edu

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 oth...

Rotation Activities:
1. Assist with autopsies on the bodies of persons dead from suicide, accident, and natural di: ...
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 ...
6. Present an informal talk on a topic of personal interest related to autopsy pathology or ana ...

Patient Encounters:

Evaluation: Evaluation is based on feedback from direct daily observation by attending physicians and th ...

Syllabus:

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

Special Approval Required
<table>
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<tr>
<th>Path</th>
<th>BMS 8661 Research in Pathology</th>
<th>T-VAH 1-6, 8-11</th>
<th>None</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>4</th>
<th>Bulkeley, William</th>
</tr>
</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:
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.
| Path       | BMS 8661 Research in Pathology | USFMS 1-6, 8-11 | None | 1 | 0 | 44 | 4 | Chen, Wei-Shen |
Contact: Michelle Burnham
mburnham@usf.edu

Report to: Wei-Shen Chen
8:00 AM on the first scheduled day or by prior arrangement via email with Dr. Chen

Description: The Research in Pathology elective is designed for students interested in pursuing a career in either pathology or a related field. This elective provides an opportunity for students to gain hands-on experience in a research setting under the supervision of a 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. 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, yet challenging research assignments
3. Evaluating the student’s judgment and critical approach in assigned library work as well as in analysis and interpretation of experimental data
4. The staff pathologists will evaluate the student using a standardized student evaluation form.

Syllabus:

Visiting Students:

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.
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<th>MEL 7320P Externship - Pathology</th>
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<td>Peds</td>
<td>MDE 8407 Elective in Child Protection</td>
<td>LVHN</td>
<td>1 - 11</td>
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<td>Esernio - Jenssen, Debra</td>
<td>Clinical</td>
</tr>
</tbody>
</table>
Contact: Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report the first day after Pediatrics Morning Report, call Jennifer Redmond, CAC Office Coordinator, at (484) 633-0935. She will provide the phone number to call for the Inpatient Pediatric Unit at the Cedar Crest 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 child protection evaluations at the Child Advocacy Center. The majority of time will be spent at the CAC 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 in the care of a child with suspected abuse.
3. Recognize various conditions and injuries that require specialty child protection team evaluation.
4. Recognize various conditions and injuries that initially appear to be related to abuse but have a medical or reasonable accidental explanation.
5. Outline when and how to report suspected child abuse.
6. Discuss what the legal and child welfare systems need from pediatricians in the community.
7. Understand the other specialties such as radiology, ophthalmology, neurosurgery, trauma surgery, etc. that are involved in child protection evaluations.
8. Describe community based partners such as CYS, Law Enforcement, District Attorney’s office, and other agencies.
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 present a presentation during the rotation. The topic will be selected by the student in discussion with the faculty preceptor.

Patient Encounters:
Evaluate the patient. The evaluation will be completed by Dr. Esernio-Jenssen.

Syllabus:
Visiting Students: Lehigh Valley Network on VSAS.

Special Instructions: N/A
**Description:** This course offers the student in-depth exposure to a wide variety of endocrine related problems and diseases in children and adolescents.

**Objectives:** Students will gain an understanding of the management of common and complex endocrine diseases in children of all ages. Students will be expected to attend regularly scheduled research conferences and clinical conferences. Students will be expected to attend regularly scheduled research conferences and clinical conferences. Students will be expected to attend regularly scheduled research conferences and clinical conferences.

**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 and diabetes.

**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.

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<table>
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<tr>
<th>Peds</th>
<th>LVH-CC</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
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</table>
MDE 8430
Pediatric Endocrinology

Contact: 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. Students will work within a multidisciplinary team such as with diabetes educators, nutritionists, social workers and counselors.

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 interactions. Student 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: Visiting Students: Lehigh Valley Network on VSAS.

Syllabus:

Special Instructions:
Description:
This elective is designed to introduce students to the field of child neurology. Under the supervision of clinical faculty, students will gain experience in the psychosocial aspects of child rearing and learn the complexities of neurologic examination in infants and children.

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 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 Matern Newborn 1 0 40 2, 4 Gieron, Maria Clinical
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 |
Contact: Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to: Pediatric Neurology office located at 1210 S. Cedar Crest Blvd, Suite 2400, on the Cedar Crest campus.

Description: This course will expose the student to various neurological disorders in infants and children.

Objectives:
1. Demonstrate an approach for taking a proper history and neurological exam and be able to
2. Justify the approach and use it to formulate an appropriate differential diagnosis
3. Identify the role laboratory data, neurophysiology, and neuroimaging have on the diagnosis.
4. Discuss and effectively communicate treatment or therapy options with patients, family members, and the health care team.

Rotation Activities:
1. Student will complete a Pediatric Neurology orientation test questionnaire prior to start of the rotation and will review with the rotation leader.
2. Student will follow patients with one of three pediatric neurologists in the clinic setting each day.
3. Student will also join pediatric neurologists when consulting on the Inpatient Pediatric Unit.
4. Towards the end of the elective, student will present a case of interest to the pediatric 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 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: Tammy 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 and patient care. 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 procedures requiring sedation. Students are expected to work with sedation doctor on Fridays. Patient care encounters will occur with the PICU physicians though there may not be sedations scheduled on those days.

Patient Encounters:

Evaluation: Student will be given feedback during the rotation from sedations doctors based on the above objectives. Rotation leader, in collaboration with the 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
Contact: Dr. Dan Mauriello  
(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  
Report to: will be provided one week prior to the start of the rotation  
Description: Principles of pediatric cardiology will be taught in outpatient and inpatient encounters at ACH-JHM. As a free-standing Clinical Elective, students will rotate through the Pediatric Cardiology Service and have the opportunity to observe and participate in the evaluation and management of patients with pediatric heart disease. The rotation focuses on the evaluation and treatment of cardiovascular disorders and their management in children and young adults. Students will work closely with pediatric cardiologists to gain experience 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, tetralogy of Fallot, transposition of the great arteries, ventricular septal defects, atrioventricular septal defects, and other forms of congenital heart disease  
3. Understand the basic principles of electrocardiograms and be able to interpret and have a treatment strategy for basic arrhythmias
Rotation Activities:

Clinical 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 catheterization.

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 including Tampa, USF, Sarasota, Pasco, Brandon, Lakeland, East Lake and Ft. Myers.

2. **Inpatient Service**
   - Students will participate in work-up and care of cardiac patients including those in the cardiac ICU, neonatal ICU, and inpatient consults on the general medicine floors or emergency room.

3. **Sub-specialty rotations**
   - all students will observe at least one of the following: open heart surgery and learn about cardiopulmonary bypass, pacemaker and ICD implant procedures, adult cardiac catheterization, electrocardiogram and understand the indications and limitations of long term heart rhythm monitors (events/loops).

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:

No

Special Instructions:

N/A

Click here for additional course information.
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 both innocent and pathologic murmurs.
4. Student will learn the basic differences between the pediatric EKG and the adult EKG.
5. Student will learn basic concepts of both performance of echocardiography and reporting.
6. Student will become familiar with the most common pathologic entities of congenital heart disease and acquired heart disease in patients from a fetus until eighteen years of age.
7. Student will see patients in an outpatient setting and will participate in history taking and physical examination. Student will be asked to come to an assessment based on the prior information obtained.

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 clinic or surgery, or they may participate in procedures or admission. The students will also spend time each day in the Pediatric Intensive Care Unit (PICU) performing bedside echocardiography in cardiothoracic surgery patients. Student will be scheduled to present at Pediatrics Morning Report towards the end of the rotation.

Patient Encounters:

Evaluation:
Upon completion of this elective, student should understand the principles and diagnosis of common congenital heart issues as well as understand the difference between innocent and pathologic murmurs. Students will be evaluated based on their level of participation and improvement over the course of the elective. The attending pediatric cardiologists and the clinical staff will complete the student's evaluation form and will return to the medical school.

Syllabus:

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

Special Instructions:
N/A
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<th>LVH-CC</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
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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 requiring hospitalization. The student will work with the Pediatric Resident and nurse to provide comprehensive care to the pediatric inpatients. The student will have one week of night call with a Pediatric resident during the four week rotation.

Objectives:
1. The student should be able to conduct a history and physical examination in a concise and logical fashion and define the child's problems.
2. The student should be aware of the diagnostic and therapeutic tools available in pediatrics.
3. The student should develop increasing clinical responsibility and judgment in dealing with I.
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.

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 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 8am. Student is excused from these educational sessions when on the night shift week.
7. Student will be scheduled to present at Pediatrics Morning Report once during this rotation.

Patient Encounters:

Evaluation: Student's evaluation will be a combination of feedback from faculty as well as from Pediatric residents.

Syllabus:

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

Special Instructions: N/A
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Description: The senior medical student will serve as an "acting intern" with the resident staff assigned to the inpatient medical service. 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.

Evaluation: The student’s written histories and physical examinations, problem list, and plans of evaluation and therapy will be evaluated. These records as well as the student’s daily activities at rounds and conferences will form the basis of the evaluation.

Syllabus:

Visiting Students: No

Special Instructions: Night call is no more frequent than every 4th night.
<table>
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<th>MDI 8400 AI-In-Patient Pediatrics</th>
<th>Yr 4 Status</th>
<th>Murphy, Melinda</th>
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</table>

Click here for additional course information
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 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. The student 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.
3. The student should develop increasing clinical responsibility and judgment in dealing with these patients as an acting intern in consultation with a senior member of the pediatric house staff.
4. The student should gain familiarity in performing certain basic procedures including 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:
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:
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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. **Students who select a 2 week rotation may only have 1 day of absence excused.**

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:
**Transportation may be needed for travel between hospitals and clinics.**
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 clinical expertise and the use of informal quizzes.
**Syllabus:**

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

**Special Instructions:**
Transportation may be needed for travel between hospitals and clinics. 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.**

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<th>Clinical</th>
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**Contact:**

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

**Report to:**
NICU, 4th floor Jaindl Pavilion
8:00 AM on first day of rotation

**Description:**
Students will participate as members of the NICU clinical team consisting of faculty attending...
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

Rotations: 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, X-ray 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: NRP Certification Required
### Description:
The objective of this elective is the development of clinical expertise in the management of disorders of the neonate. Students will participate in conferences, rounds, and providing clinical care under close faculty and neonatal fellow supervision.

### Rotation Activities:
Students will participate as members of the NICU clinical team consisting of faculty attendings, neonatal nurse practitioners, and medical residents. They will participate in the NICU series for medical students/residents, biweekly morning report case conference and weekly Pediatrics Grand Rounds.

### 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
Description:
The elective is designed to provide clinical exposure to children with insulin dependent diabetes as they appear in the University of South Florida Pediatric Metabolic Center. The Center staff will provide specific education about the techniques required for home management of type 1 diabetes.

Objectives:
The objective is to provide clinical exposure to childhood diabetes and improve understanding of the basic clinical disorder and the problems associated with routine home management.

Rotation Activities:
The student will provide patient care under close faculty supervision. The student is expected to either provide a discussion of one selected topic or present a patient management case towards the end of the rotation.

Patient Encounters:

Evaluation:
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:

Special Instructions:

Transportation may be needed for travel between hospitals and clinics.

Those interested in more intense exposure to children with a chronic disease should contact Dr. Rodriguez to learn the dates of camp sessions for children with diabetes.
Description:
This elective is designed to introduce senior students to the specialty of Internal Medicine-Pediatrics. Under the supervision of faculty, students will be exposed to the clinical practice of Med-Peds, which includes the evaluation and treatment of acute and chronic pediatric conditions, preventative health maintenance, and the performance of common procedures in the primary care setting. Students will gain a better understanding of the breadth and depth of Med-Peds as a subspecialty and the role of the Med-Peds physician in the care of children and adolescents.

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

Rotation Activities:
Senior medical students will see patients in the Internal Medicine-Pediatrics combined clinic at the USF Health South. In addition to seeing patients in the clinic, students will also attend the weekly resident clinic curriculum. Students will also have the opportunity to see patients in an inpatient setting.

Patient Encounters:
Supervising faculty will provide ongoing and summative final assessments. Students will also be required to prepare and present a primary care topic during their rotation.

Syllabus:

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

Special Instructions:
None
| Peds | MEL 8554 Primary Care - Pediatrics | STC 1 - 11 Yr 4 Status 1 0 40-44 4 Faculty Clinical |
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 management plans.

Rotation Activities:

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

Patient Encounters:

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

Syllabus:

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

Special Instructions: Contact at least one month prior
Contact: Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to: Student will spend 2 weeks in The Children’s Clinic at the LVHN 17
th & 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.
Each student will present a Morning Report presentation. Attendance at Pediatric Grand Rounds and scheduled conferences like Wednesday afternoon PediaPRED is required.

Objectives: Improve knowledge of general outpatient pediatrics and improved skills in performing histories, physicals, assessments and developing appropriate management plans.

Rotation Activities:
Direct patient care of both well and sick patients in 2 outpatient settings. Option to participate in specialty clinics. Mandatory to attend Grand Rounds, PediaPRED and Morning Reports, and prepare a Morning Report presentation.

Patient Encounters:

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

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.
### Description:
The senior medical student will participate in both inpatient and outpatient clinical duties involving HIV-infected infants, children, and adolescents. Students will spend a period of intense exposure to HIV infection in infants, children, and adolescents, benefiting from the expertise of the faculty at Tampa General Hospital (TGH) and Community Medical Services (CMS) in Tampa.

### Objectives:
- Offer the student a period of intense exposure to HIV infection in infants, children, and adolescents.
- Provide the student with an opportunity to develop skills in the care of HIV-infected patients.
- Encourage participation in small pilot projects under the mentorship of a faculty member.

### Rotation Activities:
- The student will participate in teaching rounds, journal clubs, and seminars with the faculty.
- Rotations will take place at the TGH Clinic and the CMS clinic in Tampa.

### Patient Encounters:
- Evaluation of the student’s history and physical examinations, generation of problem lists, and plans for evaluation and treatment will be evaluated.
- Observation of 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 on call is required.
Contact:

Dr. Nanette Grana
(813) 259-8725
ACH GME
(727) 767-3970

Dawn Jones
dawn.jones@jhmi.edu

For questions if not able to reach above contacts:
USF Health Peds Edu Dept 813-259-8638

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

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

Objectives:
- Introduce the student to the clinical aspects of hematologic and oncologic disease in children
- Learn the basics of 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 seen patients. 
  - The student will be an active participant in daily rounds and will be expected to interact with patients and team members.
  - Student 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 inpatient rounds. Students will have the ability to participate in other settings related to the care of this population of children.

Patient Encounters:

Evaluation:
The student’s performance will be evaluated by observing development of clinical expertise, and the use of informal quizzes.

Syllabus:

Visiting Students:

Special Instructions:

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

Transportation may be needed for travel between hospitals and clinics.
| Peds | MEL 8568 Pediatrics Hematology-Oncology | TGH | 1-11 | Pri Care, Mat Newborn | 0 | 40-44 | 2,4 | Galligan, Andrew | Clinical |
Contact:

jrico@usf.edu
Berlinda Garcia-Mora, Administrator
(813) 259-8635
For questions if not able to reach above contacts:
USF Health Peds Edu Dept 813-259-8638

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

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

Objectives:
- Introduce the student to the clinical aspects of hematologic and oncologic disease in children
- Learn the basics of work up and care for the pediatric hematology/oncology patients

Rotation Activities:
For inpatient services, the student will participate in the AM rounds and assist with diagnostic procedures and therapy planning.
Students are encouraged to study the basics of hematopoiesis and cancer chemotherapy.
Written histories and physical examinations and plans for evaluation and treatment will be reviewed with the attending physician.

In the outpatient setting, the student will actively participate in interviewing and examining newly referred patients.
The student will attend the weekly multidisciplinary patient care and teaching rounds and meet with the medical team.

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:
Applying 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.**
**Description:**
The student will be involved in the management of patients with pediatric hematology and oncology disorders, both in the inpatient and outpatient settings. The student is expected to know basics of workup and care for the pediatric hematology/oncology patients.

**Goals:**
- 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 with attending physicians and time each day rounding and doing procedures on the inpatient unit. In the afternoon or evening, student will spend time with attending physicians.
- 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 4 week rotation. Evaluation will also be based on feedback from the team, will complete the evaluation provided by the student’s medical school at the end of the rotation.

**Syllabus:**

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

**Special Instructions:**
N/A
### Genetic Elective

**Contact:**
- Dr. Judith Ranells  
  [juranell@usf.edu](mailto:juranell@usf.edu)
- Julie Stann  
  [jstann@usf.edu](mailto: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:**

**Objectives:**
The goal of this elective is to acquaint the student with genetic and metabolic disorders in pediatrics: diagnostic evaluation, differential diagnosis, inheritance, management, and counseling.

**Rotation Activities:**
Students will typically attend Genetics/Metabolic Clinics Monday, Tuesday, and Thursday at CMS on campus and occasional special events. They will also be expected to give a 10-15 minute presentation at the end of the rotation on a selected topic.

**Patient Encounters:**

**Evaluation:**
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and 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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<td>Pavan, Mary</td>
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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 l

Rotation Activities:
Participating in 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 of the student’s performance will be made by observing development of his/her cl.

Syllabus:

Visiting Students:
No

Special Instructions:
Contact Dr. Pavan at least 4 weeks prior to the start of the elective
Transportation may be needed for travel between hospitals and clinics.
There is no night or weekend coverage expectations.
"Students who select a 2 week rotation may only have 1 day of absence excused."
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:
No

Special Instructions:
N/A
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<th>Peds</th>
<th>MEL 8574 Pediatric Pulmonary Disease</th>
<th>ACH 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, and a child with chronic respiratory problems such as having a tracheostomy tube or requiring supplemental oxygen at home.

Pertinent literature will be discussed and will be available for review on the Moodle Pediatrics Learning Site. Attendance at the USF Residency didactic sessions (i.e. morning report, noon conference, etc.) is STRONGLY encouraged.

Patient Encounters:

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:

No

Special Instructions:

Transportation may be needed for travel between hospitals and clinics.
<table>
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<tr>
<th>Peds</th>
<th>MEL 8574 Pediatric Pulmonary Disease</th>
<th>TGH 1-5, 7-8, 10-11</th>
<th>Pri Care or Mat Newborn</th>
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<th>4</th>
<th>Colon Cortes, Yanerys</th>
<th>Clinical</th>
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</thead>
</table>
Marisa Couluris  
mcouluri@usf.edu  
(813) 259-8767  

Mariene Papia, Administrator  
(813) 259-8810  

For questions if not able to reach above contacts:  
USF Health Peds Edu Dept (813) 259-8638  

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

Description:

Objectives:  
1. Obtain a history and physical examination as it relates to pulmonary disease in the infant, child, and adolescent  
2. Understand and interpret basic imaging of the respiratory system and lung function testing  
3. Establish a level of competence in diagnosing and managing asthma in children utilizing the principles presented by the NIH Asthma Guidelines  
4. Possess an understanding of pulmonary physiology as it relates to common pediatric respiratory disorders  
5. Become familiar with common respiratory therapeutic agents employed in pediatrics including airway clearance techniques and asthma pharmacotherapy  

Rotation Activities:  
This elective will involve working with a multidisciplinary team that will provide experience in the evaluation and management of acute and chronic pediatric respiratory diseases. Some of these disorders will include: cystic fibrosis, stridor, chronic lung disease of infancy, congenital malformations, and the child with chronic respiratory problems such as having a tracheostomy tube or requiring supplemental oxygen at home. Pertinent literature will be discussed and will be available for review on the Moodle Pediatrics Learning Site. Attendance at the USF Residency didactic sessions (i.e., morning report, noon conference, etc.) is STRONGLY encouraged.  

Patient Encounters:  
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.  

Syllabus:  

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

Special Instructions:  
Transportation may be needed for travel between hospitals and clinics.
Contact: Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to: On the first day after attending Pediatrics Morning Report, the student will report to the Pediatric Pulmonology office...

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 management of pediatric patients with respiratory disease.

Patient Encounters:

Evaluation: Student will be evaluated on clinical performance during this 4 week rotation. The student will have direct observation by a faculty leader, with input from the clinical team, will complete student's evaluation form and will 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

Report to: After attending Pediatrics Morning Report at the Cedar Crest Site, report to the PICU, 2nd floor Jaindl at 0900

Description: The PICU is a multidisciplinary unit providing acute care for pediatric patients with a wide variety of medical and surgical conditions. The PICU provides in-depth 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 activities described above, students will participate in the daily 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:
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 problems. The PICU employs a patient-centered, 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. The student will participate in daily patient care, including daily rounds, care of critically ill children, and participation in on-call shifts. The student will also participate in 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.**
Contact: Dr. Dan Riggs
goodoc43@aol.com

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 PICU is a multidisciplinary unit providing acute care for pediatric patients with a wide variety of medical and surgical diagnoses. 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. This includes daily care of patients, bedside teaching, and 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.**
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:

Students will participate in simulated resuscitative scenarios.

Students will attend the NICU follow-up clinic. Students will have the opportunity to follow nutritional, developmental and other areas.

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

Report to: Adam Paul, DO
Children’s Hospital Subspecialty Center
1210 S. Cedar Crest Blvd., Suite 2400, Allentown, PA 18103
(610) 402-3888

Description:

Objectives:
1. Identify and explain the anatomy, physiology and pathology of the digestive system
2. Utilize knowledge about the developmental stages of the digestive system to aid in 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 findings, and perform outpatient procedures in the Children’s Surgery Center located at 1210 S. Cedar Crest Blvd., 3rd floor on the Cedar Crest campus.

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:
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<tr>
<th>Peds</th>
<th>MEL 8579 Ped Gastroenterology/Nutrition</th>
<th>ACH 1 - 11</th>
<th>Adult Med or Mat Newborn</th>
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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: 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 care of patients with gastrointestinal disorders. 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 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:
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. Grading for the course will be a reflection of the student's participation and daily activities.

Syllabus:

Visiting Students:
No

Special Instructions:
Contact Dr. McClenathan prior to the first day of the rotation
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<th>0</th>
<th>44</th>
<th>4</th>
<th>Rahma n, Wassam</th>
<th>Clinical</th>
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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. This includes bedside evaluation, attending rounds, radiology rounds, chart review, plus 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:
| Peds | MEL 8580 Pediatric Emergency Medicine | TGH | 1 - 11 | Pri Care or Mat Newborn | 1 | 0 | 44 | 4 | Gaar, Gregory | Clinical |

Contact: Gregory Gaar

gregory_gaar@teamhealth.com

(813) 627-5973 or (813) 627-5906

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 Pediatric Emergency Medicine elective is designed to give an in-depth exposure to the identification and management of the acutely ill or injured child.

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 patient. This includes participation in patient medical rounds, patient care, radiology rounds, chart review, plus monthly mock code exercises designed to integrate with syllabus material.

Patient Encounters:

Evaluation:
The student's performance will be evaluated by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:
No

Special Instructions:
Contact:
David Berman
dberma19@jhmi.edu
(813) 259-8725
A
CH GME
(727) 767-4106
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 in pediatric infectious disease is a clinical preceptorship with the Infectious Diseases 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.**
**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 of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

**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 take place at St. Joseph’s Hospital.
- No night call is required.
- For questions not able to reach above contacts, contact the USF Health Peds Edu Dept (813) 259-8638.
- **Students who select a 2 week rotation may only have 1 day of absence excused.**

**Syllabus:**
- Visiting Students: No
- Syllabus: Click here for additional information
- Evaluation: Provided one week prior to the start of the rotation
- Requirements: The student is expected to participate in weekly journal club, presenting an article each week.
- Report to: USF Health Peds Edu Dept (813) 259-8638
- For questions if not able to reach above contacts: dbergamo@usf.edu

**Contact:**
Dr. Dale Bergamo
dbergamo@usf.edu
<table>
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</table>
**Contact:**
Tammy.Winterhalt@lvhn.org
(484) 862-3149

**Report To:**
Dr. Tibisay Villalobos
Pediatric Infectious Disease Physician Inpatient Unit at Cedar Crest.

**Description:**
This elective in pediatric infectious disease is a clinical preceptorship with the Infectious Disease team. The majority of the time is spent following patients, including pediatric infectious disease on inpatient and outpatient consults. Learning is facilitated in the inpatient and outpatient setting. The experience emphasizes clinical medicine and learning how to approach infectious diseases with a critical thinking approach. There are case conferences, educational sessions, and meetings with the clinical director of the pediatric infectious disease fellowship. Awareness of common infections, the microbiology and treatment of infections, and the social determinants of health is emphasized. 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 and differential diagnosis between 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 effectiveness.
7. Learn basic concepts of Hospital Epidemiology and Infection Prevention / Control and how to apply them to daily clinical practice.
8. Understand the principles of treatment for most common infectious diseases.
9. Identify infectious disease in the perinatal period that can cause congenital and neonatal infections.
10. Learn about travel medicine and global health: how infectious diseases spread around the world.

**Learning Outcomes:**
This course will prepare the student to diagnose, treat and manage common infectious diseases in a variety of clinical settings. The student will gain experience in taking a complete and thorough history, performing an appropriate physical examination, interpreting laboratory results, and correlating these findings with the clinical evaluation of the patient. The student will also learn about antimicrobials and the proper use in pediatrics, as well as the principles of treatment for most common infectious diseases. Additionally, the student will gain knowledge about travel medicine and global health.

**Rotation Activities:**
Students will join pediatric rounds each day with the Pediatric Infectious Disease team, including conferences. The student will have opportunities to present cases and discuss patient management with the team. There will be a short project or presentation at the end of the rotation. The project is voluntary and up to the needs and interests of the student.

**Patient Encounters:**
Students will be evaluated on multiple aspects of patient care and clinical performance during their rotations. They will be evaluated on their ability to take a complete and thorough history, perform an appropriate physical examination, interpret laboratory results, and correlate these findings with the clinical evaluation of the patient. They will also be evaluated on their ability to manage infectious diseases and demonstrate appropriate use of antimicrobials.

**Evaluation:**
Students will be evaluated on multiple aspects of patient care and clinical performance during their rotations. They will be evaluated on their ability to take a complete and thorough history, perform an appropriate physical examination, interpret laboratory results, and correlate these findings with the clinical evaluation of the patient. They will also be evaluated on their ability to manage infectious diseases and demonstrate appropriate use of antimicrobials.

**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>
<th>TGH/STC</th>
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</table>
Description: This elective is designed to introduce senior medical students to the field of adolescent medicine.

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
t5. Act as a subspecialist consultant for patients referred by outside primary care providers, a
6. Know how to diagnose and treat common adolescent medical problems, such as acne, dys
7. Recognize the common problem of poor adherence among adolescents, and encourage a
8. Improve communication with parents and families to help them understand normal adolesc
9. Learn about the importance of and how to assist with a successful transition from pediatric

Rotation Activities: will be supplemented with time spent at the Healthy Weight Clinic, learning at

Patient Encounters: Students will work closely with residents from USF pediatrics, and depending on the site the

Evaluation:

Syllabus:

Visiting Students:

Special Instructions: May be needed for travel between hospitals and clinics.

Prior approval required from the course director (Dr. Straub) prior to start of the elective.
<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 8629 Peds Neuropsych</th>
<th>ACH 1 - 11 Pri Care or Mat Newborn</th>
<th>Murphy, Tanya</th>
<th>Clinical</th>
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**Description:**

This elective is designed to introduce senior medical students to the identification, evaluation, and treatment of pediatric neuropsychiatric disorders, with a focus on conditions such as Autism spectrum disorders, Bipolar disorder, and Autoimmune Neuropsychiatric Disorders associated with Streptococcal Infections (PANDAS).

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
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, rehabilitive 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. Additionally, there are a number of clinical studies examining both psychopharmacology and therapeutic treatments for various diagnoses.

Patient Encounters:

Evaluation:

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.

<p>| Peds | MEL 7320K Externship in Pediatrics | EXT | 1 - 7 | Yr 4 Status | No Limit | 0 | 44 | 4 | Faculty Externship |</p>
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<td>Sullivan, Gregory</td>
</tr>
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</table>

Click here for additional course information.
Contact:
Pat Crump
pcrump@usf.edu
(813) 974-5368
Dr. Gregory Sullivan
Gregory.Sullivan1@va.gov

Report to:
(813) 972-2000 ext. 6723
JAHVA Main Hospital, GA-004
8:00 AM

Description:
This course will be conducted in a seminar style fashion. Students will meet with faculty to review recent articles about dementia. 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, pathogenesis, 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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<th>T-VAH</th>
<th>8B</th>
<th>Yr 4 Status</th>
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<th>40</th>
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<th>Basic Science</th>
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</table>

Click here for additional course information
Contact:
P. 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 NIMH recommendations. Students will be required to present a small conceptual paper on a topic of their choice related to course materials.

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

1. Discuss different classes of variables (or units of analysis) affecting behavior including genetic, molecular, cellular, neural circuitry, physiological, behavioral, and self-report data.

2. Describe the circuits that represent the core aspect of these classes of variables – as central to the various biological and behavioral levels of analysis.

3. Discuss the selection, implementation and limitations of modern treatment modalities for brain disorders (neuromodulation and optogenetics).

4. Integrate the basic science knowledge described with clinical applications and laboratory research problems.

5. Critically evaluate the pertinent literature to one topic of their choice and summarize it into a 20 minute conceptual presentation.

Rotation Activities:
Students will meet with course faculty and review selected articles. At the end of the course, all students will be required to present a small conceptual paper on a topic of their choice related to course materials.

Patient Encounters:
N/A

Evaluation:
Students will be evaluated based on faculty evaluation of interaction, participation, peer evaluation, and a final scholarly project.

Syllabus:

Visiting Students:
N/A

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

Click here for additional course information

Contact:

**Dr. Cory Klippel**

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

Report to:

Main JAHVA 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 the short-term management of psychiatric health issues in an acute care setting. Students will be responsible for evaluating and diagnosing patients' psychiatric health problems and will work with the medical team to determine the most appropriate course of action for each patient. Directed readings will be provided.

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

Main JAHVA Hospital campus
Room 1A-105J
13000 Bruce B. Downs Blvd
Tampa, FL 33612
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:
Psychiatry

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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. Training will include didactic presentations, case conferences, and supervision. A variety of psychiatric disorders and presentations will be addressed. Training in crisis intervention in the outpatient setting 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 therapy 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:**
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:**
Silver Child Development Center
7:50 AM on first day
3515 E. Fletcher Ave
Tampa, FL 33613

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*Click here for additional course information*
This elective is designed to provide the interested student with an opportunity to develop diagnostic and management skills in the evaluation and treatment of psychiatric and behavioral disorders that are commonly encountered in clinical practice.

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.
2. Discuss the role of psychotherapy including individual and family therapy in the treatment of psychiatric disorders.
3. Discuss legal and ethical aspects of psychiatric care for children and adolescents including informed consent, assent, and confidentiality.
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.
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 in psychiatric problems including common behavioral disorders that are commonly encountered in family medicine and pediatric practices.

Objectives: 1. Learn how to evaluate and diagnose psychiatric problems including common behavioral disorders in children  
2. Learn basic management skills of psychiatric problems including common behavioral problems  
3. Become familiar with community agencies available to help children with psychiatric and behavioral problems  
4. Become more familiar with the general practice of child psychiatry  
5. Enhance interviewing skills of children and their families

Rotation Activities: Students rotate on the inpatient child and adolescent psychiatry unit. They will follow several patients on the unit and participate in their patients' care. Students will also be expected to give a 10-minute presentation on a relevant topic of interest.

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: No

Special Instructions: Prior approval of Drs. Gomez, Campion, and Martin required at least four months prior to the elective.

| Psych | USFMS | 1 - 11 | None | 1 | 0 | 44 | 2,4 | Fils, Jean | Clinical |
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 treatment of patients with memory complaints and psychiatric disorders. Students will focus on geriatric psychiatry, with an emphasis on the differential diagnosis of dementia and other psychiatric conditions affecting older adults.

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 care giver

Rotation Activities:

The student will spend the majority of the elective at the Memory Disorders Clinic at the Psychiatry Center. Supervision and seminars will complement these clinical activities.

Patient Encounters:

Mild Cognitive Impairment

Evaluation:

The student's clinical performance will be evaluated by the supervising faculty according to the elective objectives. In addition, students will submit a self-evaluation of what they learned on the elective, and a critique of their elective experience.

Syllabus:

Visiting Students:

Applying via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

N/A
Psych MDI 8843 AI Psych: Adv Adult Inpatient

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 work in an acute care setting to gain experience managing patients with a variety of psychiatric presentations. Students will participate in rounds, case presentations, and consults for patients under their care. Close supervision, seminars, and independent study will complement the clinical activities.

Objectives: By the end of the rotation students will:

1. Demonstrate the ability to interview patients with acute psychiatric symptoms including suicidal, agitated, and psychotic symptoms
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 (e.g., understanding indications, contraindications, side effects, and interactions).
6. Describe psychotherapy interventions for acutely ill patients including milieu management, crisis intervention, and individual and family therapy.

Rotation Activities: Students will perform the history and physical for patients being admitted to the hospital and will also participate in rounds with seniors. 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... by composing discharge summaries. Close supervision, seminars, and independent study will complement the clinical activities.

Objectives:

1. Examine various psychiatric conditions in greater depth while determining the best method of treatment for these conditions
2. Analyze and identify appropriate uses of psychotropic medication
3. Develop a familiarity with a variety of psychotherapy modalities including individual, group, and family 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 all patient encounters, an evaluation of the didactic component, a self-evaluation of what the student learned in the elective, and a critique of his/her elective experience.

Syllabus:

Visiting Students:

No

Special Instructions:

Prior approval of Drs. Karper, Primelo, and Martin required at least four months prior to the start of the elective.
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</tbody>
</table>
Contact: Pat Crump  
pcrump@usf.edu  
(813) 974-5368

Report to: A Haley VA Acute Recovery Unit (ARC) 30-G  
Ground Floor  
7:30 AM  
13000 Bruce B. Downs Blvd  
Tampa, FL 33612

Description: This elective is designed to offer advanced experience in the evaluation, treatment, and rehabilitation of elderly psychiatry patients. Supervision, seminars, and independent study will complement the clinical activities.

Objectives:
1. Become familiar with the multidisciplinary assessment of elderly patients
2. Develop specialized diagnostic skills for identifying and differentiating organic brain syndromes
3. Learn how to integrate psychiatry and medical care of the elderly
4. Become familiar with utilization of community resources in the care of the elderly

Rotation Activities:
Students will see geriatric patients and their families in a variety of settings. Evaluations of new and established patients will occur in conjunction with faculty.

Patient Encounters:
Evaluating faculty will evaluate the student’s clinical performance according to the elective objectives.

Syllabus:

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

Special Instructions: Students will also be at the University Psychiatry Center.

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</table>

Click here for additional course information.
**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

**Description:**

This elective is designed to offer advanced experiences in the evaluation, treatment, and rehabilitation of alcoholic and chemically 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, there will be 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:**
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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...

Description: This elective is designed to provide students with a greater understanding of the interface between psychiatry and general medicine. It focuses on psychiatric aspects of medical illness, 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:

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:

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

Dr. Gregory Sullivan
Gregory.Sullivan1@va.gov
(813) 972-2000 ext. 6723
Description: The elective is designed to provide students with a greater understanding of the interface between psychiatry and medicine. Students will focus on psychiatric diagnoses common in the medically ill, 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 members of other 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:
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:
Description:
This elective is designed to provide students with a greater understanding of the interface between psychiatry and medicine, including mood disorders, conversion disorders, psychotic disorders, delirium, dementias, and other organic illnesses.

Objectives:
1. Become familiar with psychiatric diagnoses in both the adult and child populations
2. Improve interviewing skills by performing interviews on difficult medical/surgical patients
3. Learn to be part of a consultation/liaison team and be able to work with members of other medical teams and other disciplines

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.
Contact:

Contact: Pat Crump
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 for the treatment of psychiatric disorders. The 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, vagal nerve 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. The students will gain exposure to the care of patients with psychiatric disorders and the use of neural stimulation in their treatment.
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: | This elective is designed to enable the advanced student to become acquainted with the methodologies of behavioral medicine and to develop a critical interest and understanding of the role of behavioral principles in the practice of psychiatry. Students will complete a literature review in a selected area of interest, which will be evaluated by the research supervisor. The student will also conduct a critical review of the literature and will be expected to contribute to the development of a research project.

| 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 be expected to provide a written critique of his/her elective experience and to submit a research paper on the topic of interest.

| Syllabus: | Visiting Students:

| Special Instructions: | Prior approval from the Associate Chief of Staff for Mental Health and Behavioral Sciences is mandatory. 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:
This elective is designed to enable the advanced student to become acquainted with the methodologies of behavioral medicine in an area of particular interest to the student. The student will conduct research under the supervision of a faculty member 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 the elective supervisor with a written critique of his/her elective experience.

Syllabus:

Visiting Students:
No

Special Instructions:
Prior approval from the department (the Chair of Psychiatry or Faculty supervisor for the rotation) required. For UPC, call (813) 974-7853 to make an appointment with the chair.
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<td>Kowal, Alexander</td>
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Description: This elective is designed to allow a medical student to work closely with an attending pediatric radiologist in a busy pediatric diagnostic imaging setting. Students will gain one-on-one didactic and practical experience and training in the correct ordering, protocoling, and interpretation of pediatric radiologic studies. The rotation will include interdepartmental conferences.

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 radiologic studies. The rotation will include interdepartmental conferences.

Patient Encounters:

Evaluation:

Students will be evaluated based on feedback from the various attending radiologists who interact with them.

Syllabus:

Visiting Students:

Special Instructions:

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<th>Decker, Summer</th>
<th>Basic Science</th>
</tr>
</thead>
</table>
MDE 8771
Radiological Anatomy

Click here for additional course information
Contact

Destiny McArthur
Medical Education Specialist
dmcarthur@usf.edu

Dr. Summer Decker
sdecker@usf.edu

Dr. Jonathan Ford
jmford2@usf.edu

Report

Description: This elective is designed to provide students with a self-study program in radiological anatomy as it relates to medical imaging.

Objectives:
1. Identify important anatomical structures of the head, neck, brain, and spine in different medical imaging modalities.
2. Identify important anatomical structures of the musculoskeletal system of the upper and lower extremities as well as the chest, abdomen, and pelvis in different medical imaging modalities.
3. Identify important anatomical structures within the chest, abdomen, and pelvis different medical imaging modalities.

Rotation Activities:
- Final Exam

Patient Encounters:
N/A

Evaluation:
A series of 4 quizzes and a final exam will cover imaging anatomy of the head and neck, spine, upper and lower extremities, as well as the chest, abdomen, and pelvis.

The final examination will be on the last day at the Tampa campus testing center (proctored). Arrangements can be made for visiting students 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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Description:
This elective is designed to introduce senior medical students to the role and practice of breast imaging and image-guided procedures. It would provide an understanding of the role of diagnostic imaging and image-guided diagnostic procedures in disorders of the breast.

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 conferences.
9. Follow a patient from image-guided needle localization to lumpectomy.
10. Have the opportunity to be involved in research for publication if a 4-week elective is chosen.

Rotation Activities:
The student will review breast imaging studies with faculty and diagnostic radiology housestaff. They will attend weekly tumor board conferences and have the opportunity to observe image-guided breast procedures. Additionally, they will have the chance to be involved in research for publication if a 4-week elective is chosen.

Patient Encounters:
The student will work closely with the attending radiologists who will provide the assessment.

Syllabus:

Visiting Students:

Special Instructions:
N/A
| Radiology | MEL 7700 Intro to Radiology | TGH | 2-11 | None, Yr 3 only | 2 | 0 | 40 | 2 | Hazeltown, Todd | Clinical |
Description:

This two-week elective is designed specifically for third year medical students to provide an introduction to fields of diagnostic imaging including interventional radiology as well as the role of evidence-based imaging in the cost-effective work-up of commonly encountered clinical conditions.

The elective is divided into two one-week rotations—one week will be spent on interventional radiology and the other week on diagnostic radiology. Each week will include didactic lectures, participation in rotation assignments, presentation of a diagnostic radiology or interventional radiology case encountered while on rotation for discussion to the group.

Objectives:

1. The medical student will develop an appreciation of the complexity of diagnostic imaging including an understanding of the types of studies which are available and the information they can provide.

2. The students will also gain an understanding of the clinical indications for obtaining studies, the relative risk/benefit of radiologic procedures and the basic technical aspects of how examinations are performed.

3. The student will develop an understanding of the differences between, and interactions among, each of the imaging specialties and the operation of these radiologic subspecialties in the context of modern radiologic and medical practice.

4. Regardless of their planned specialty, students should be able to recognize the following conditions on appropriate imaging studies: use of contrast agents as well as location and characteristics of lesions, the various imaging modalities used, and the appropriate interpretation of imaging results.

5. Students will also be required to interpret common clinical conditions requiring imaging studies including masses, lesions, increased intracranial pressure, space occupying lesions, bone, fracture, elbow joint effusion, and shoulder dislocation.

Rotation Activities:

Attend weekly lectures, participate in rotation assignments, presentation of a diagnostic radiology or interventional radiology case encountered while on rotation for discussion to the group.

Patient Encounters:

Evaluation:

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:

Special Instructions:

Enrollment will be subject to availability and will require prior approval of the director. During the week on IR, there may be additional requirements/activities that can be found in the IR Expectations Document – Please review these possible requirements before requesting the elective.
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, magnetic resonance imaging, and cerebral angiography. Students will have the opportunity to attend neuroradiology lectures and multidisciplinary conferences at Tampa General Hospital.  

Objectives: On this elective, the medical student will obtain:  

1. An understanding of the indications for advanced neuroimaging (CT, MRI, CTA, MRA)  
2. A fundamental understanding of basic neuroimaging with respect to pertinent normal anatomy  
3. The ability to categorize and organize subdivisions of neuroimaging such as cerebrovascular, neoplasms, infection, etc.  
4. The ability to discuss the most common neuropathologic entities  
5. A basic understanding of technique and indications for cerebral angiography and other invasive procedures  

Rotation Activities: The student will review neuroimaging studies with neuroimaging faculty and diagnostic radiology housestaff at the USF campus. Students will perform clinical rotations at TGH, one of the busiest hospitals in the country, to gain experience in patient care. Students will also have the opportunity to attend neuroradiology lectures and multidisciplinary conferences at Tampa General Hospital.  

Patient Encounters: Students are evaluated based on daily attendance and by a written evaluation at the end of the course.  

Syllabus:  

Visiting Students: No  

Special Instructions: Students are responsible of contacting the course director within the first 3 days of the rotation.
MEL 7703
*Interventional Radiology*

Contact: Destiny 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 him/her understand various aspects of the field, including indications, contraindications, and potential complications of interventional techniques 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:

Evaluation:

Attendance form and evaluation by the Attendings will be used to measure grade.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
## Description

This elective experience is designed to introduce the medical student to diagnostic, therapeutic, and palliative aspects of interventional oncology and the appropriateness of these techniques as they relate to the overall patient care.

## 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.

## Syllabus

Suggested Literature: Handbook of Interventional Radiologic Procedures – Kandarpa

## Visiting Students:

No

## Special Instructions:

N/A
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</tbody>
</table>

**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 musculoskeletal imaging. Students will gain exposure to musculoskeletal radiographs, ultrasound, computed tomography, and magnetic resonance imaging. This will include understanding the indications for advanced musculoskeletal imaging (ultrasound, CT, arthrography, and MRI), understanding basic musculoskeletal imaging, categorizing and organizing subdivisions of musculoskeletal imaging, discussing the most common musculoskeletal pathologic entities, and understanding technique and indications for arthrography, bone biopsy, and other invasive procedures.

**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. This will include learning the imaging diagnosis of musculoskeletal pathology on radiography, computed tomography, and magnetic resonance imaging.

**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:**

N/A
Radiology

MEL 8704 Diagnostic Radiology

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. They will 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 imaging: head injuries, 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 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 their performance. 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.
Description:
This elective is designed to maximize the opportunity for a medical student to work closely on a one to one basis with a radiologist. Students will rotate through the following subspecialty areas of diagnostic radiology: plain film, fluoroscopy, body CT, MR, US, nuclear medicine, and dedicated imaging of pediatric patients. The student should also feel more comfortable identifying which examination is appropriate for a given clinical situation.

Objectives:
1. Students will develop an appreciation of the broad services a modern diagnostic radiology department provides, including all of the major modalities (radiography, CT, MR, US, nuclear medicine) and dedicated imaging of pediatric patients.
2. Students will be introduced to the concept of Appropriateness Criteria (as developed by the ACR) so that they may choose appropriate imaging examinations in the future, no matter what medical specialty they choose.
3. Students can expect to observe and be taught to recognize common and life threatening conditions including tube and bowel obstruction, fractures, dislocations, bowel wall thickening, abdominal masses, intracranial hemorrhage and stroke.

Rotation Activities:
Patient Encounters:
Evaluations:
Students will be evaluated based on feedback from the various attending radiologists who have interaction with them.

Syllabus:
Visiting Students:
No
Special Instructions:
N/A
Contact:
Destiny McArthur
Medical Education Specialist
dmcarthur@usf.edu

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

Description: This elective is designed to introduce senior students to the practice of cardiac and pulmonary imaging.

Objectives: On this elective, the medical student will obtain:
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 in Tampa General Hospital. The student will gain an understanding of imaging diagnosis of chest diseases on radiography, computed tomography, and magnetic resonance imaging.

Patient Encounters:

Evaluation: The student will work closely with the attending radiologists and housestaff who will provide feedback on their performance.

Syllabus:

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

Special Instructions: N/A
**Radiology**

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**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 abdominal imaging, including ultrasound, computed tomography (CT), and magnetic resonance imaging (MRI).

**Objectives:**

1. A basic technical understanding of ultrasound, CT, and MRI  
2. An understanding of the indications for ultrasound as well as body CT and MRI  
3. A fundamental understanding of basic body imaging with respect to pertinent normal anatomy  
4. The ability to discuss the most common pathologic entities of the abdomen and pelvis  
5. A basic understanding of technique and indications for imaging-guided biopsy and drainage procedures in the abdomen and pelvis

**Rotation Activities:**

Review body imaging studies with faculty and diagnostic radiology housestaff.

**Patient Encounters:**

Evaluate student will work closely with the attending radiologists and housestaff who will provide

**Syllabus:**

**Visiting Students:**

Visiting students must enroll at least 60 days prior to the start of the rotation for IT security purposes

**Special Instructions:**

Students must enroll at least 60 days prior to the start of the rotation for IT security purposes.
### Radiology

| MEL 8711 Body Imaging | TGH | 2-11 | Yr 4 Status | 2 | 0 | 40 | 2.4 | Kedar, Rajendra | Clinical |

**Contact:**

Medical Education Specialist  
[dmcarthur@usf.edu](mailto:dmcarthur@usf.edu)

**Report:** 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. It will provide a fundamental understanding of basic body imaging with respect to pertinent normal anatomy and the role of cross-sectional imaging and diagnostic procedures in disorders of the abdomen and pelvis. 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 in the abdomen and pelvis

**Rotation Activities:**

The student will review body imaging studies with faculty and diagnostic radiology housestaff at Tampa General Hospital. This will include the study of normal anatomy and the imaging diagnosis of abdominal and pelvic diseases on ultrasound, computed tomography, and magnetic resonance imaging.

**Patient Encounters:**

The student will work closely with the attending radiologists and housestaff who will provide

**Evaluation:**

The student will work closely with the attending radiologists and housestaff who will provide

**Syllabus:**

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

**Special Instructions:**
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**Course**: Vascular Surgery Elective

**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. Emphasis will be given to the preoperative assessment and decision for operative intervention.

**Objectives:**

1. Describe a variety of noninvasive vascular diagnosis
2. Interpret physiologic data relative to angiographic findings and clinical symptoms
3. Compare operative and non-operative therapy for a wide variety of arterial and venous diseases

**Rotation Activities:**

The student is expected to function on a team with residents and attending surgeons. This service generates an active clinical experience and will include time working with surgery residents in the operating room. 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 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 this patient base. The wide ranging field of cardiothoracic surgery 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.

Patient Encounters:
Evaluations will be evaluated based on their ward performance.

Syllabus:

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

Special Instructions: Students will discuss personal goals with chair prior to start of rotation.
| Surgery | MDE 8660 Plastic Surg Elective | LVH-CC | 1-11 | Yr 4 Status | 1 | 0 | 60-70 | 2.4 | Murphy, Robert | Clinical |

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: The service is oriented to trauma, facial, hand, cancer and cleft-palate surgery as well as reconstructive and cosmetic surgery. Additional experiences in vascular trauma, burn reconstruction and reconstruction of the craniofacial skeleton are 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 a variety of surgical procedures and disease states. Additional experiences are available in the regional burn center.

Patient Encounters: 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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<th>60-70</th>
<th>2.4</th>
<th>Park, John</th>
<th>Clinical</th>
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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:**  
The student will participate in a busy service with colon-rectal surgery residents. This rotation addresses common colorectal diseases, including 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:**

**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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<td>Status</td>
<td>Sanchez, Jaime</td>
<td>Basic Science</td>
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</tbody>
</table>
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

Description This course is specifically designed to prepare students for surgical internship with a focus on the basic principles of anatomy and physiology that underlie surgical practice. 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. Evaluation includes:

Laboratory - 60%
Weekly Quizzes - 20%
Post test - 20%
Total - 100%

Syllabus:

Visiting Students:

Special Instructions:
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<th>Sanchez, Jaime</th>
<th>Clinical</th>
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</thead>
</table>

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 the operating room, and in the clinic. 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 will be based on clinical performance based by direct observation.

Syllabus:

Visiting Students:

N/A

Special Instructions:

None, Yr 3 only

Sanchez, Jaime

Clinical
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<th>MDI 8660 Plastic Surg Acting Internship</th>
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<tr>
<td></td>
<td></td>
<td>Click here for additional course information</td>
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</table>

**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 participate in all aspects of the active patient care at the level of a first-year resident. Students work in the operating room, as well as in daily outpatient follow-up visits. 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:**
### Contact

**Joseph Stirparo, MD**  
Joseph_j.stirparo@lvhn.org  
(610) 402-1350

### Report to

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

### Description

This elective provides the opportunity to participate in the active “hands-on” care of plastic surgery patients. Students will participate in the preoperative, intraoperative and postoperative care of patients with a variety of surgical procedures and disease states. Additional experiences are available in the regional burn center.

### 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

Visiting students will participate in the preoperative, intraoperative and postoperative care of patients.

### Patient Encounters:

**Evaluation** will be completed by direct observation. There will be no examination.

### Syllabus:

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

**Special Instructions:**
<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tr>
<td>MCI 8680</td>
<td>Trauma Surgery AI</td>
<td>4th Year</td>
<td>Full</td>
<td>1-11</td>
<td>60-70</td>
<td>Joseph Stirparo, MD</td>
<td>Students electing this course will work with the residents and faculty at LVHN Cedar Crest. Students will also see patients with abdominal trauma, GI bleeding. In addition, students will participate in the care of patients that have blunt and penetrating trauma.</td>
</tr>
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</table>

**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 resuscitation, critical care, and post-operative aspects of the surgical patients. At least a 1-week rotation on nights will be required.

**Patient Encounters:**

**Evaluation:**
Students will be evaluated based on their clinical performance.

**Syllabus:**

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

**Special Instructions:**
N/A
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 participating intern, the student will be involved in discussions of patient care. 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:
**Course Information**

**Course Title:** MEL 7815 Advanced Surgical Skills

**Instructor:** Joseph Stirparo MD

**Contact:** Joseph_j.stirparo@lvhn.org

**Phone:** (610) 402-1350

**Description:**
This intensive elective is designed for the fourth year medical students who has a desire to enter a general surgery residency. The course will focus on the development of advanced surgical skills including but not limited to advanced 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:**
This course is designed to prepare students for entering first year clinical experiences in surgical fields. Students will participate in a variety of simulation and prosection activities. Simulation activities include suture and knot tying, basic laparoscopy, emergent bedside procedures.

**Patient Encounters:**

**Evaluation:**
Students will be evaluated based on their clinical performance and 1-2 oral presentations.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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**Surgery** | **MEL 7815** | **LVH-CC** | **Yr 4 Status** | **Status** | **Stirparo, Joseph**
---|---|---|---|---|---

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Surgery

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.

Description:
This four-week elective is geared towards developing the surgical skills medical students entering a surgical internship. Medical 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 emergencies, identifying various 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:

Evaluations:
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: 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, and understanding 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... 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... 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:

Special Instructions: N/A
Contact:
Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

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

Description: This elective is designed to offer students active participation in organ procurement, the harvest 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, 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
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 is a clinical rotation that includes graded responsibility, as well as regular formal instruction in techniques of care. Students will be assigned primarily to the unit at LVHN-Cedar Crest with the possibility of occasional visits to other sites.

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 is determined by the clinical problem. Students will take the lead on care of patients with 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:
Lehigh Valley Network on VSAS.

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

**Contact:**

Hailee Hall  
haileehall@usf.edu

Report to:  
Dr. Mary Ottinger  
mottinger@usf.edu

**Description:**

Students will participate in clinical care involving the Vascular Surgery Service. The student will work closely with the vascular surgical team to learn all aspects of patient care. Interpretation of physiologic data relative to angiographic findings and clinical symptoms will be emphasized.

**Objectives:**

This rotation should provide the student with a broad exposure to clinical presentation, diagnostic evaluation, and operative and non-operative therapy for a wide variety of arterial and venous diseases.

**Rotation Activities:**

Operating room and clinics

**Patient Encounters:**

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:**
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**Contact:**

Joseph Stirparo, MD  
Joseph_j.stirparo@lvhn.org  
(610) 402-1350

**Description:** Students will participate in the preoperative, intraoperative and postoperative care of patients with vascular disease. Special emphasis will be placed on patient evaluation, diagnostic interpretation will be given. Focus will be 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 Vascular Surgery Service at both the Lehigh Valley Hospital and the Lehigh Valley Heart Center. Interpretation of physiologic data relative to angiographic findings and clinical symptoms will be emphasized.

**Patient Encounters:**

**Evaluation:** 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
Surgery MDI 8600 Gen Surg Acting Internship
Click here for additional course information

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 clinical elective affords the students an in-depth experience in total patient management as an acting 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 is expected to attend all teaching conferences, participate in pre-operative conferences, and attend a series of Grand Rounds and Morbidity and Mortality Conferences. 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: Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: N/A
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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 clinical elective affords the students an in-depth experience in total patient management as an acting intern on a 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 Operating room experience will also be extensive. Students are required to take at least 2 overnight weekend calls.

**Patient Encounters:**

Students will be evaluated based on their ward performance.

**Syllabus:**

Visiting Students:

Special Instructions:
Surgery

MDI 8600 Gen Surg Acting Internship

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:
Students may choose to participate on the several services. On these services, the student is expected to function as an active member of the team... 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. The student will participate in... line placement, chest tube placement, etc with appropriate supervision. Operating room experience will also be extensive.

Patient Encounters:

Evaluations:
Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:
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**Contact:**
Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

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

**Description:**
The Department of Urology provides comprehensive, urologic patient-oriented care with concern for quality of life and state-of-the-art multidisciplinary patient care while striving to blend compassion, technology and advanced techniques.

**Objectives:**
The objectives of this rotation are to provide exposure to the field of Urology as a background for practice in other areas and to offer closer acquaintance with this field for those considering it for possible future specialization.

**Rotation Activities:**
Students will participate in the pre-operative work-up of urological patients. Students will learn from attending faculty and 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:**

**Special Instructions:**
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<th>50-70</th>
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**Description:**
The Department of Urology, at the University of South Florida provides comprehensive, patient-oriented care with an emphasis on state-of-the-art multidisciplinary patient care while striving to blend compassion, technology, and advanced techniques.

The elective is an introduction to basic urology with emphasis on clinical service designed to provide a background for practice in other areas and to offer a closer acquaintance with this field for those considering it for possible future specialization.

**Objectives:**
The objectives of this rotation are to provide exposure to the field of Urology as a background for further specialization.

**Rotation Activities:**
- Students will participate in the faculty clinics and pre-operative work-up of urological patients.
- Students will present cases to 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:**