3rd Year Family Practice
3 FP | 4th Year Elective | Community Health and Family Medicine | Clinical Science

Course Description
Scheduling of this course must first be arranged with the Office of Medical Education prior to entering it on your 4th year schedule. This course should be scheduled during the time period in which a 3rd year clerkship is to be completed during the 4th year.

Course Faculty and Staff

- Matthew Ryan MD, PhD (Director)

Meeting Place and Time
TBA

Course Materials
TBA

3rd Year Medicine
3 MED | 4th Year Elective | Internal Medicine | Clinical Science

Course Description
Scheduling of this course must first be arranged with the Office of Medical Education prior to entering it on your 4th year schedule. This course should be scheduled during the time period in which a 3rd year clerkship is to be completed during the 4th year.

Course Faculty and Staff

- Kathy Pipkins (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time
TBA

Course Materials
TBA

3rd Year Neurology/Geriatrics Makeup
3 NEUR | 4th Year Elective | Neurology | Clinical Science

Course Description
Scheduling of this course must first be arranged with the Office of Medical Education prior to entering it on your 4th year schedule. This course should be scheduled during the time period in which a 3rd year clerkship is to be completed during the 4th year.

**Course Faculty and Staff**

- **Matthew Ryan MD, PhD** (Director)

**Meeting Place and Time**

TBA

**Course Materials**

TBA

**Additional Information**

This course is designed to use as a placeholder on a 4th year student schedule. Course makeup time includes 3 weeks Neurology and 1 week Geriatrics and must be prearranged with Denise Chichester in Educational Affairs

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**3rd Year Obstetrics and Gynecology**

3 OBG | 4th Year Elective | Obstetrics and Gynecology | Clinical Science

**Course Description**

Scheduling of this course must first be arranged with the Office of Medical Education prior to entering it on your 4th year schedule. This course should be scheduled during the time period in which a 3rd year clerkship is to be completed during the 4th year.

**Course Faculty and Staff**

- **Matthew Ryan MD, PhD** (Director)

**Meeting Place and Time**

TBA

**Course Materials**

TBA

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**3rd Year Pediatrics**

3 PEDS | 4th Year Elective | Pediatrics | Clinical Science

**Course Description**

Scheduling of this course must first be arranged with the Office of Medical Education prior to entering it on your 4th year schedule. This course should be scheduled during the time period in which a 3rd year clerkship is to be completed during the 4th year.
Course Faculty and Staff

- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

Additional Information

This needs to be approved by the clerkship director at least one month prior to starting.

3rd Year Psychiatry

3 PSY | 4th Year Elective | Psychiatry | Clinical Science

Course Description

Scheduling of this course must first be arranged with the Office of Medical Education prior to entering it on your 4th year schedule. This course should be scheduled during the time period in which a 3rd year clerkship is to be completed during the 4th year.

Course Faculty and Staff

- Matthew Ryan MD, PhD (Director)
- Beth Magyari (Course Staff)

Meeting Place and Time

TBA

Course Materials

TBA

3rd Year Surgery

3 SURG | 4th Year Elective | Surgery | Clinical Science

Course Description

Scheduling of this course must first be arranged with the Office of Medical Education prior to entering it on your 4th year schedule. This course should be scheduled during the time period in which a 3rd year clerkship is to be completed during the 4th year.

Course Faculty and Staff

- Matthew Ryan MD, PhD (Director)
- Beth Magyari (Course Staff)
Meeting Place and Time
TBA

Course Materials
TBA

4th-Year Required Geriatrics/Rehabilitation Clerkship-Brooks Rehabilitation Hospital/Jacksonville
MED R 5J | 4th Year Required | Aging and Geriatrics Research | Clinical Science

Prerequisites
4th year UF medical student

Course Description
1 of 4 the clerkship weeks will be in Jax (Mon-Th). All other weeks and Fridays will be in Gainesville. The student will evaluate medically complex patients in a subacute, rehabilitative, palliative care, or long term care setting. Students will manage medical problems and also learn how to function as part of an interdisciplinary team.

Course Faculty and Staff
- Melanie Hagen MD (Other Faculty)
- Geneva Jacobs MD (Other Faculty)
- Dani Brown (Course Staff)
- Trevor Paris MD (Other Faculty)
- Mallory Otto MD (Director)
- Shaneh Brown (Course Staff)

Meeting Place and Time
Mon-Thurs are at assigned clinical sites. All Fridays required for conferences, simulations, etc. Weekends/evenings are non clinical times.

Course Materials
Materials required for successful completion of the clerkship are available on Canvas Elearning.

Can’t We Talk about Something More Pleasant by Roz Chast

Additional Information
*Bring a copy of your driver’s license, immunization and TB records.
*Your active participation is required in each of these small group sessions as outlined in the Student Responsibilities and Expectations portion of the course syllabus

4th-Year Required Geriatrics/Rehabilitation Clerkship-Oak Hammock
MED R 7 | 4th Year Required | Aging and Geriatrics Research | Clinical Science
Course Description

The student will evaluate medically complex patients in a subacute, rehabilitative, palliative care, or long term care setting. Students will manage medical problems and also learn how to function as part of an interdisciplinary team.

Course Faculty and Staff

- Mallory Otto MD (Director)
- Marcela Avila MD (Other Faculty)
- Shaneh Brown (Course Staff)

Meeting Place and Time

4 weeks:
- 1 on Rehab Mon-Thurs
- 1 week on Palliative Mon-Thurs
- 1 week on Geriatric Medicine Mon-Thurs
- 1 week Arts on Aging Mon-Thurs
- All Fridays are required group sessions at UF and the Gainesville VA

Course Materials

All materials required for successful completion of the clerkship are available on the website (Canvas).

Additional Information

Starting 2017: Oak Hammock site

4th-Year Required Geriatrics/Rehabilitation Clerkship-Shands Nursing Facilities Sub Acute Rehab/Gainesville

MED R 8 | 4th Year Required | Aging and Geriatrics Research | Clinical Science

Prerequisites

4th year UF COM medical student

Course Description

1 of 4 weeks (Mon-Th) will be spent with a UF geriatrician at one of UF’s Shands Nursing Facilities that offers 24-hour nursing care from physical, occupational, and speech therapies, to short-term and long-term skilled nursing care services.

Course Faculty and Staff

- Mallory Otto MD (Director)
- Shaneh Brown (Course Staff)
- Bhanuprasad Sandesara MD (Other Faculty)
- Laurence M. Solberg MD (Other Faculty)
- Marcela Avila MD (Other Faculty)
Meeting Place and Time
Mon-Thurs are at assigned clinical sites. All Fridays required for conferences, simulations, etc. Weekends/evenings are non clinical times.

Course Materials
Materials required for successful completion of the clerkship are available on Canvas Elearning.

Can’t We Talk about Something More Pleasant by Roz Chast

4th-Year Required Geriatrics/Rehabilitation Clerkship-Shands/Gainesville
MED R 3 | 4th Year Required | Aging and Geriatrics Research | Clinical Science

Prerequisites
4th year UF medical student

Course Description
1 of 4 weeks (Mon-Th) will be spent at the Shands Rehabilitation Hospital. The student will evaluate medically complex patients in a subacute, rehabilitative, palliative care, or long term care setting. Students will manage medical problems and also learn how to function as part of an interdisciplinary team.

Course Faculty and Staff
- Wilda Murphy MD (Other Faculty)
- Mallory Otto MD (Director)
- Melanie Hagen MD (Other Faculty)
- Shaneh Brown (Course Staff)

Meeting Place and Time
Mon-Thurs are at assigned clinical sites. All Fridays required for conferences, simulations, etc. Weekends/evenings are non clinical times.

Course Materials
Materials required for successful completion of the clerkship are available on Canvas Elearning.

Can’t We Talk about Something More Pleasant by Roz Chast

Additional Information
*Students attending the Shands Rehabilitation Hospital must have a UF parking decal to park at the UF Orthopaedics and Sports Medicine Institute two afternoons during the one week on Rehab.

4th-Year Required Geriatrics/Rehabilitation Clerkship-Signature
Healthcare/Gainesville
MED R 6 | 4th Year Required | Aging and Geriatrics Research | Clinical Science
Prerequisites
4th year UF COM medical student

Course Description
1 of 4 weeks (Mon-Th) at Signature HealthCARE of Gainesville, a 120-bed skilled nursing facility, and offers 24-hour nursing care from physical, occupational, and speech therapies, to short-term and long-term skilled nursing care services. 1 week on Medicine and 1 week on Palliative.

Course Faculty and Staff
- Bhanuprasad Sandesara MD (Other Faculty)
- Mallory Otto MD (Director)
- Laurence M. Solberg MD (Other Faculty)
- Shaneh Brown (Course Staff)

Meeting Place and Time
All Fridays required for exams, etc. Weekends/evenings are non clinical times. Mon-Thurs are at assigned clinical sites.

Course Materials
Materials required for successful completion of the clerkship are available on Canvas Elearning.

Can't We Talk about Something More Pleasant by Roz Chast

4th-Year Required Geriatrics/Rehabilitation Clerkship-VA/Gainesville
MED R 4 | 4th Year Required | Aging and Geriatrics Research | Clinical Science

Prerequisites
4th year UF medical student

Course Description
1 of 4 weeks (Mon-Thu) will be spent at the Gainesville VA. The student will evaluate medically complex patients in the VA rehabilitative setting. Students will manage medical problems and also learn how to function as part of an interdisciplinary team.

Course Faculty and Staff
- John R Meuleman MD (Other Faculty)
- Melanie Hagen MD (Other Faculty)
- Miho Bautista MD (Other Faculty)
- Mallory Otto MD (Director)
- Shaneh Brown (Course Staff)

Meeting Place and Time
Mon-Thurs are at assigned clinical sites. All Fridays required for exams, etc. Weekends/evenings are non clinical times.
Course Materials

Materials required for successful completion of the clerkship are available on Canvas Elearning.

Can’t We Talk about Something More Pleasant by Roz Chast

Additional Information

1 week is at the Gvl VA, other weeks are at assigned sites.
Must establish VA PIV and CPRS access. Students must be proactive to ensure VA login credentials and training are up to date before their rotation begins.

Adolescent Medicine

PED E 10 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites

Fourth year medical student, successful completion of pediatrics clerkship.

Course Description

Adolescence is a time of change whether socially, mentally, or physically. Adolescent Medicine is an important aspect of Pediatrics, Family Medicine, and Internal Medicine. Adolescent patients are also seen in most other areas of medicine. Having an understanding of Adolescent Medicine will benefit you no matter what area of medicine you choose. Often there is not adequate time during Internship or Residency for this valuable part of your education. The 4th year of medical school is an ideal time to take this elective.

1. Appreciation of adolescent development as it pertains to Health care and delivery.
2. Application of standard interviewing techniques to adolescent healthcare provision.
3. Understanding of common adolescent health care needs.

Course Faculty and Staff

- Ratna Acharya MD (Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time

Monday - Fridays 8:00 a.m. - 5:00 p.m., Adolescent Clinic, CMS building A, 1701 SW 16th Ave

Course Materials

Various Adolescent Medicine texts, Journal Articles, Appropriate Internet sources

Additional Information

Students will see patients in the adolescent clinic and present to the preceptor. They will present a
topic to high school students in the community with the pediatric resident on the rotation. They will also present on a topic of interest to the team at the end of the rotation.

Advanced Issues in Medical Ethics and Law
CM E 21 | 4th Year Elective | Community Health and Family Medicine | Basic Science

Prerequisites

3rd or 4th-year medical student.

Students must be pre-approved if intending to schedule this course. Student must get approval from either course director.

There must be a minimum of 5 students enrolled each period in order for the course to be offered during that period.

Course Description

COURSE REQUIREMENTS:

We offer two sections of the course. These sections are independent and are offered during different periods. Either section fulfills the requirements of this elective.

The online section will be hosted on Canvas and includes the following topics:
1. Ethical analysis and reasoning
2. Decisional capacity
3. Informed consent
4. Veracity
5. Issues in Genetics and Neuro-enhancement
6. Major issues in your chosen field and specialty societies’ positions and resources on those issues
7. Problematic issues in end-of-life care, including physician aid-in-dying.

The online section will be offered during Periods 1A and 7B. There must be a minimum of 5 students enrolled each period in order for the course to be offered during that period.

The classroom section focuses on practical experience in asking for and documenting informed consent, advance directives, and withdrawal of treatment discussions. The goal of this section is to give students greater facility, confidence, and proficiency in these professional skills. It will feature a combination of lectures focusing on techniques and documentation and active learning with both real and standardized patients. The classroom section will be offered during Periods 8B, 10A, and 13A. There must be a minimum of 5 students enrolled each period in order for the course to be offered during that period.

Course Faculty and Staff

- William L Allen JD (Co-Director)
- Bernie Amaro (Course Staff)
- Ray E Moseley PhD (Co-Director)

Meeting Place and Time

TBA
Advanced Pediatric Essentials: Preparation for Residency

PED E 33 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites

Fourth-year medical student with planned specialization in pediatrics, medicine/pediatrics or by course director approval.

NOTE - there is a Material and Lab fee $40 for this rotation during the Spring semester.

Course Description

The purpose of this course is to provide medical students entering pediatric and medicine/pediatric residencies with a focused introduction to pediatric knowledge and skills training. The course will provide students with training aimed at enhancing knowledge and technical skills needed by pediatric trainees. The goal of the course is to provide future pediatric residents with a leg up as they enter training. The curriculum will include elements of the technical skills training program used by the pediatric residents at UF. Skills training will include increased familiarity with common procedures, conflict resolution, motivational interviewing and fundamentals of pediatric advanced life support. Basic didactic principles will be taught in parallel with skills training.

Course Faculty and Staff

- Jacqueline Michel DO (Co-Director)
- Erik Black PhD, MPH (Co-Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time

4433 Pediatrics, 8a Monday

Course Materials


Advanced Pelvic Anatomy with Clinical and Surgical Correlations
OBG E 5 | 4th Year Elective | Obstetrics and Gynecology | Basic Science

Prerequisites
4th year UF COM student
Interest in pelvic anatomy for residency

Course Description
(1) Hands on cadaveric pelvic anatomy dissections
(2) Didactics and surgical correlation (videos and live surgery)
(3) Assigned reading list on basic pelvic anatomy, surgical techniques and complications.

Course Faculty and Staff
- Alice S Rhoton-Vlasak MD (Co-Director)
- Nickeesha Merricks-Hankerson (Course Staff)
- Nash Moawad MD, MS (Director)
- Kyle Rarey PhD (Co-Director)

Meeting Place and Time
TBA

Course Materials
(1) Surgical videos
(2) Cadaveric lab
(3) TeLinde's operative gynecology
(4) Assigned articles
Schedule will be sent ahead of time

Advocacy Through Pediatrics
PED E 24 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites
Satisfactory completion of the third year pediatric clerkship. Students submit a project proposal to Dr Ryan by e-mail 1 month prior to starting the rotation. (http://residency.pediatrics.med.ufl.edu/files/2012/03/project-proposal-template.pdf).

Course Description
The pediatric advocacy rotation is designed to enhance students understanding of their professional role and duty to advocate as it relates to their patients and community. The rotation will help to equip the students with the tools they need to perform a needs assessment of their community, form partnerships with community based organizations, and advocate locally and as part of the legislative process. The students should have a particular issue for which they wish to advocate, and the activities of the rotation will be centered around said issue.

Course Faculty and Staff
- Stephanie Ryan MD, FAAP (Director)
Meeting Place and Time

Email Dr Ryan 1 week prior to the start of the rotation to determine a time and place for orientation. At this time a 4 week calendar of events will be provided.

Course Materials

Pediatrics 2005;1151092-1094, 1119-1212
AAP Advocacy Guide
"So You Think You Want to Make a Difference" (article)

Additional Information

Please think about an advocacy project idea prior to the start of the rotation. Students MUST submit a project proposal at least 1 month prior to the start of the rotation.

Alternate Contact = Meghan Lopez meghalopez@peds.ufl.edu; 273-8594

Ambulatory and Community Family Medicine

CM E 32 | 4th Year Elective | Community Health and Family Medicine | Clinical Science

Prerequisites

Completion of 3rd year requirements

Course Description

COURSE GOALS: This course is designed to provide the student with exposure to an outpatient experience in the family practice center. In the FPC, students will experience the continuity of care in the residency program, and enhance their knowledge of ambulatory care, evaluation and management.

Course Faculty and Staff

- Kimberly K Zinkel (Course Staff)
- Tina Engstrom (Course Staff)
- Maribeth Porter MD (Director)

Meeting Place and Time

Prior to beginning the rotation, please contact Tina Engstrom, 265-9544, Box 100383-Family Medicine at Main, to get the time and location.

Course Materials

Family Medicine Textbook

Ambulatory Pediatrics

PED E 14 | 4th Year Elective | Pediatrics | Clinical Science
Prerequisites

The successful completion of the 3rd year of medical school training, specifically the pediatric clerkship.

Course Description

COURSE GOALS: To participate in a variety of pediatric ambulatory sub-speciality outpatient clinical settings. To enhance the student's ability to obtain, evaluate, and process multiple forms of clinical data in pediatric subspecialty patient encounters.

Course Faculty and Staff

- Henry Rohrs III MD (Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time

The majority of clinics are located in the Shand's Medical Plaza, Children's Medical Service's Center, and Shands Children's Hospital.

Course Materials

A general pediatric text. This may include Nelson's Textbook of Pediatrics or Rudolph's Pediatrics. An additional quick review condensed text may also be helpful in the quick paced ambulatory settings.

Additional Information

The student will contact the course administrator, Meghan Lopez (meghanlopez@peds.ufl.edu) no less than two weeks prior to the rotation. The student and course director will create a rotation with pediatric subspecialty care clinics based on the students interests and specific goals while also considering clinic availabilities.

Ambulatory Pediatrics, Arnold Palmer Hospital for Children / Orlando Health

PED E 35 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites

Fourth Year Medical Student

Student must call the GME Coordinators at APH for approval to take the course.

Sandra Ingram, 321-841-3715
Alex Arismendi, 321-841-2148

Course Description

The elective is designed to acquaint the student with the management of acute pediatric illness in an outpatient setting as well as Well-Child Care, Child Development aspects and the dynamics of private practice. The student will learn by supervised patient care, didactic sessions, case discussions and literature review, the appropriate care of a wide range of pediatric illnesses. The elective also includes exposure to the normal newborn, care of the term infant, and follow-up care of
the newborn after hospital discharge. The proper examination and evaluation of the newborn infant is emphasized.

**Course Faculty and Staff**

- Arwa Saidi MD (Director)

**Meeting Place and Time**

Graduate Medical Education, Medical Education Building, 86 W. Underwood Street, 1st Floor Lobby, 8:00 a.m. (day one)

**Course Materials**

Patient care activities will take place in Primary Care Pediatrics and Adolescent Health Center, Columbia Street.

**Additional Information**

Course Faculty and Staff; Penny Tokarski – Savona, M.D. Hanane Dahoui, M.D. Adaobi Okobi, MD, Sunita Patil, M.D., Annabella Torres, M.D. Chief Residents

**Anatomy - Independent Study**

*ANAT IS | 4th Year Elective | Anatomy | Basic Science*

**Prerequisites**

UF 4th year medical student

**Course Description**

This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Anatomy at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

**Course Faculty and Staff**

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

**Meeting Place and Time**

TBA

**Course Materials**

TBA
Anesthesiology - Clinical Independent Study
ANS CIS | 4th Year Elective | Anesthesiology | Clinical Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Anesthesiology at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time
TBA

Course Materials
TBA

Additional Information
TBA

Anesthesiology - Externship
ANS EXT | 4th Year Elective | Anesthesiology | Clinical Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the department of Anesthesiology. Students should complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time
Anesthesiology - Independent Study
ANS IS | 4th Year Elective | Anesthesiology | Basic Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Anesthesiology at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff
- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time
TBA

Course Materials
TBA

ANS E 1-Clinical Elective in Anesthesia-Shands OR and VA OR/Pain Clinic
ANS E 1 | 4th Year Elective | Anesthesiology | Clinical Science

Prerequisites
This course listing is specifically for 4th year NON-UF medical students requesting an EXTERNSHIP rotation at UF COM.

This course is NOT to be scheduled by UF COM students.

Please contact the course director, Dr. Chris Giordano, at cgiordano@anest.ufl.edu with any questions.

NOTE:
Non-UF students who apply to participate in this rotation should submit the following in addition to their application: copy of transcript; photo attached to application; letter of recommendation; letter of
good standing and a written statement of why you are interested in participating in an Anesthesiology elective with the University of Florida College of Medicine. All applicants must apply through VSAS in order to be considered.

**Course Description**

During this course, the student will learn the basics of airway management, mechanical ventilation, invasive hemodynamic monitoring, management of fluids, and use of vasoactive medications. In addition, the student will be taught concepts of preoperative evaluation, basic principles of anesthesia and management of acute postoperative events. Participants will be exposed to the operating rooms of Shands and FSC ambulatory center.

The course will begin with an Introduction at 8 am on the first Monday of each elective period. The students are required to complete each online module prior to attending the simulation, which will be time stamped and recognized for grading. There are two simulations on the first Monday, meaning that they need to be completed prior to beginning the clerkship. There are a total of nine modules corresponding to the nine simulations or problem-based learning discussions. There will be two lectures on the first two Mondays and Tuesdays of the clerkship followed by two small group discussions on the third Tuesday.

**Course Faculty and Staff**

- Christopher Giordano MD (Director)
- Julie Veal (Course Staff)
- Breaunna Sweet (Course Staff)

**Meeting Place and Time**

Course Lectures/Labs will be held in the Harrell Medical Education Building in Room 465 and 460. Any adjustments will have a notification prior to the lecture.

**Course Materials**

Recommended textbook: Essential Anesthesia by Euliano & Gravenstein (available on reserve in the HSC library).

**Online Modules**

**Additional Information**

Dates available are highly subjected to monthly internal student load and the limited capacity available according to the time of year. Therefore please be very flexible on dates and have alternatives readily available.

Day-to-day scheduling is flexible including possible rotation through several sub-specialties or focus on a single sub-specialty (neurosurgery, cardiothoracic, pediatrics, obstetrics, orthopedics, pain, regional, etc) please let the course manager (Ms. Madalyn Murray) know in advance if you have any preferences. There are a few lectures throughout the course but clinical experience and contact with faulty is emphasized.

**ANS E 1C-Career Track Anesthesiology Elective**

ANS E 1C | 4th Year Elective | Anesthesiology | Clinical Science
Prerequisites

This course is only offered to 4th year UF COM students who are interested in pursuing a residency in Anesthesiology. You MUST take another Anesthesiology clerkship course before taking the career track.

Completion of this course does not include the curriculum requirements that would allow it to count towards completion of the 4 week Required Anesthesiology course.

Course Description

This course is structured to give additional clinical exposure to students who are interested in becoming an Anesthesiologist as well as stimulating academic achievement. The educational curriculum is very similar to the Anesthesiology and Critical Care Clerkship, however each student will be required to participate in at least one academic project to be mentored by a faculty member during this two-week course. The project has no restrictions and can include anything that the student wants so long as the faculty member agrees. At the conclusion of the course, each student will be required to submit a one-page (maximum) abstract summarizing the project. This will encourage a personal and professional relationship with an academic anesthesiologist that can provide ample opportunity for letters of recommendation.

Subsequently, we recommend students enrolling in the Anesthesiology / Critical Care Clerkship prior to the career track elective if possible in order to develop a baseline clinical and academic acumen that can be bolstered during this course. The clinical hours are exceptionally flexible and meant to strengthen current skills, and to provide ample time to work on academic project

Course Faculty and Staff

- Christopher Giordano MD (Director)
- Sean Kiley MD (Co-Director)
- Breaunna Sweet (Course Staff)
- Julie Veal (Course Staff)

Meeting Place and Time

Students will be notified at prior to the start of the rotation.

Course Materials

Recommended textbook: Essential Anesthesia by Euliano & Gravenstein (available on reserve in the HSC library).

Students are encouraged to review modules that are offered during the Anesthesiology / Critical Care Clerkship

Additional Information

This course is only offered to 4th year UF COM students who are pursuing a residency in Anesthesiology. Completion of this course does not include the curriculum requirements that would allow it to count towards completion of the 4 week Required ANS/ICU course.

ANS E 4-Obstetric Anesthesia

ANS E 4 | 4th Year Elective | Anesthesiology | Clinical Science
Prerequisites

Often taken consecutive with Anesthesiology/Critical Care Clerkship.

Course Description

This rotation is designed for senior medical students with significant interest in either obstetrics or anesthesiology. We strive to provide additional depth beyond the required Anesthesiology/Critical Care Clerkship. We expect students who complete this rotation to gain an understanding of neuraxial anesthesia and analgesia, overview of physiologic changes of pregnancy and their clinical implications and management of the critically ill obstetric patient.

This course will provide:
1. Clinical experience with spinal blocks for labor analgesia and operative procedures in the obstetric patient.
2. Education in daily obstetrical anesthesia rounds (7:30am).
3. Opportunity to deliver an oral presentation on a topic of the student's choice or patient presentation with discussion of management options and implications.

Course Faculty and Staff

- Adam L. Wendling MD (Director)
- Breaunna Sweet (Course Staff)
- Julie Veal (Course Staff)

Meeting Place and Time

Patients will be seen in the Labor & Delivery Suite of Shands Labor and Delivery, 3rd Floor, 7:30am-5:00pm weekdays.

Optional recommended attendance of Friday mornings to our Department’s Grand Rounds at 6:30am in North Tower 2147.

Course Materials

Recommended textbook: Essential Anesthesia by Euliano & Gravenstein (available on reserve in the HSC library).
You will receive a book chapter from Clinical Anesthesia Practice as well.

Recommended articles:
3. Anim-Somuah M, Smyth RMD, Jones L. Epidural versus non-epidural or no analgesia in labour. Cochrane Database of Systematic Reviews. 2011(12); Art.

Additional Information

The intent of this clerkship is to give the student interested in anesthesiology or Ob-Gyn an understanding of OB Anesthesia.

The clerkship can be taken for only 2-weeks.
ANS R 1-Anesthesiology & Critical Care Clerkship/Trauma Critical Care

ANS R 1 | 4th Year Required | Anesthesiology | Clinical Science

Prerequisites
This course is not offered to non-UF students.

Course Description
This four-week clerkship will challenge medical students to manage patients undergoing surgical procedures as well as those being cared for in the Intensive Care Unit. During the Operative two-week block, each student will be expected to critically examine the perioperative process as well as learn the fundamental procedures that are coupled to it. Those procedures include, but are not limited to airway management, invasive hemodynamic monitors, intravenous fluid replacement and the use of vasoactive medications. The Critical Care two-week block will ask students to treat critically ill patients, and implement the necessary interventions for stabilization and management. The education begins with modules that each student must complete prior to the corresponding didactic session. The formal didactics tests critical thinking skills that will be exercised by simulation and problem-based learning discussions.

The course will begin with an Introduction at 8 am on the first Monday of the elective period. The students are required to complete each online module prior to attending the simulation, which will be time stamped and recognized for grading. There are two simulations on the first Monday, meaning that they need to be completed prior to beginning the clerkship. There are a total of nine simulations corresponding to the nine simulations or problem-based learning discussions. There will be two lectures on the first two Mondays and Tuesdays of the clerkship followed by two small group discussions on the third Tuesday.

The clerkship is divided into two week blocks: Anesthesiology and Critical Care Medicine. Half of the class will start in each part, and will switch at the mid-point.

Course Faculty and Staff

- Christopher Giordano MD (Director)
- Sean Kiley MD (Co-Director)
- Breaunna Sweet (Course Staff)
- Julie Veal (Course Staff)

Meeting Place and Time
Course Lectures/Labs will be held in the Harrell Medical Education Building in Room 465 and 460. Any adjustments will have a notification prior to the lecture.

Course Materials
Recommended textbook: Essential Anesthesia by Euliano & Gravenstein (available on reserve in the HSC library)

Online Modules

Additional Information
Students who are considering Anesthesiology as a career should take the Anesthesiology / Critical Care Clerkship in rotations 1 or 2. This will best prepare them for a Career Elective in 3B. Please email the Course Director, Chris Giordano, MD at cgiordano@anest.ufl.edu with any questions.

ANS R 1J-Neuro ICU Gville/Anesthesiology & Critical Care Clerkship-Jax

ANS R 1J | 4th Year Required | Anesthesiology | Clinical Science

Prerequisites

Senior UF Medical Student - not offered to non-UF students

NOTE:
The Critical Care portion of this course will be completed the first two weeks of the rotation in Gainesville, followed by the Anesthesiology portion in Jacksonville

Course Description

The clerkship is divided into two blocks: Anesthesiology and Critical Care Medicine. This is a four-week clerkship that will challenge medical students to manage patients undergoing surgical procedures as well as those being cared for in the Intensive Care Unit. The Critical Care two-week block in Gainesville will ask students to treat critically ill patients, and implement the necessary interventions for stabilization and management. Students are expected to critically examine the perioperative process as well as learn the fundamental procedures that are coupled to it. Those procedures include, but are not limited to, airway management, invasive hemodynamic monitors, Intravenous fluid replacement and the use of vasoactive medications. The education begins with modules that each student must complete prior to the corresponding didactic session. The formal didactics tests critical thinking skills that will be exercised by simulation and problem-based learning discussions.

The block at Gainesville will begin with an introduction at 8 am on the first Monday of the elective period. The students are required to complete all online modules prior to attending the Simulation, which will be time stamped and recognized for grading. There are two simulations on the first Monday, meaning that they need to be completed prior to beginning the clerkship. There are a total of nine simulations corresponding to the nine simulations or problem-based learning discussions. There will be two lectures on the first two Mondays and Tuesdays of the clerkship.

The Anesthesia portion of the rotation in Jacksonville will consist of being paired with anesthesia residents or CRNAs, in the main OR setting, the preoperative block room, or on the labor and delivery floor. Students are expected to arrive daily by 6:45 am in order to obtain their room or anesthesia provider assignments. Students must prepare for each operative case by researching the patient, the comorbidities, and operation. OR start time is 7:15 am daily. Wednesdays are the resident education day, and students are to attend the morning grand rounds as well as the resident lectures. Medical student specific lectures will be given throughout their two week rotation, to be conducted by assigned attendings and/or residents.

Course Faculty and Staff

- Adrienne Warrick MD (Co-Director)
- Christopher Giordano MD (Co-Director)
- Claudia Chavarro (Course Staff)
- Dani Brown (Course Staff)
Meeting Place and Time

GNV Neuro ICU: Course Lectures/Labs will be held in the HME Bldg in Rm 465 and 460.
JAX Anesthesia: Day 1: 8 am in the Dept of Anest on the 2nd flr (located by Central Staff elevator bank). Report to Claudia Chavarro in the Anesthesia Education Office.

Course Materials

Gainesville:
Recommended textbook: Essential Anesthesia by Euliano & Gravenstein (available on reserve in the HSC library)

Online Modules

Jacksonville:
Handbook of Clinical Anesthesia by first author Paul G. Barash; will be provided on loan to rotators.

Additional Information

The ICU portion of this course will be completed the first 2 weeks of the rotation in Gainesville, followed by the OR portion in Jacksonville.

Questions regarding the Anesthesia rotation in Jacksonville please email course director Adrienne Warrick, MD at adrienne.warrick@jax.ufl.edu.

Questions regarding the Gainesville portion of the rotation please e-mail course director Chris Giordano, MD at cgiordano@anest.ufl.edu.

ANS R 2-Anesthesiology & Critical Care Clerkship/Surgical ICU

ANS R 2 | 4th Year Required | Anesthesiology | Clinical Science

Prerequisites

This course is not offered to non-UF students.

Course Description

This four-week clerkship will challenge medical students to manage patients undergoing surgical procedures as well as those being cared for in the Intensive Care Unit. During the Operative two-week block, each student will be expected to critically examine the perioperative process as well as learn the fundamental procedures that are coupled to it. Those procedures include, but are not limited to airway management, invasive hemodynamic monitors, intravenous fluid replacement and the use of vasoactive medications. The Critical Care two-week block will ask students to treat critically ill patients, and implement the necessary interventions for stabilization and management. The education begins with modules that each student must complete prior to the corresponding didactic session. The formal didactics tests critical thinking skills that will be exercised by simulation and problem-based learning discussions.

The course will begin with an Introduction at 8 am on the first Monday of the elective period. The students are required to complete each online module prior to attending the simulation, which will be time stamped and recognized for grading. There are two simulations on the first Monday, meaning
that they need to be completed prior to beginning the clerkship. There are a total of nine simulations
corresponding to the nine simulations or problem-based learning discussions. There will be two
lectures on the first two Mondays and Tuesdays of the clerkship followed by two small group
discussions on the third Tuesday.

The clerkship is divided into two week blocks: Anesthesiology and Critical Care Medicine. Half of the
class will start in each part, and will switch at the mid-point.

**Course Faculty and Staff**

- **Christopher Giordano MD** (Director)
- **Sean Kiley MD** (Co-Director)
- **Breaunna Sweet** (Course Staff)
- **Julie Veal** (Course Staff)

**Meeting Place and Time**

Course Lectures/Labs will be held in the Harrell Medical Education Building in Room 465 and 460.
Any adjustments will have a notification prior to the lecture.

**Course Materials**

Recommended textbook: Essential Anesthesia by Euliano & Gravenstein (available on reserve in the
HSC library).

**Online Modules**

**Additional Information**

Students who are considering Anesthesiology as a career should take the Anesthesiology / Critical
Care Clerkship in rotations 1 or 2. This will best prepare them for a Career Elective in 3B. Please
e-mail the Course Director, Chris Giordano, MD at cgiordano@anest.ufl.edu with any questions.

**ANS R 2J-Anesthesiology & Critical Care Clerkship-Jax/MICU Jax**

**ANS R 2J | 4th Year Required | Anesthesiology | Clinical Science**

**Prerequisites**

This course is not offered to non-UF students

NOTE - The ANS portion of this course will be completed the first 2 weeks, followed by the MICU
portion of the rotation.

**Course Description**

This four-week clerkship will challenge medical students to manage patients undergoing surgical
procedures as well as those being cared for in the Intensive Care Unit. During the Operative two-
week block, each student will be expected to critically examine the perioperative process as well as
learn the fundamental procedures that are coupled to it. Those procedures include, but are not
limited to, airway management, invasive hemodynamic monitors, intravenous fluid replacement and
the use of vasoactive medications. The Critical Care two-week block will ask students to treat
critically ill patients, and implement the necessary interventions for stabilization and management.
The education begins with modules that each student must complete prior to the corresponding
didactic session. The formal didactics tests critical thinking skills that will be exercised by simulation and problem-based learning discussions.

Students will be paired with anesthesia residents or CRNAs, in the main OR setting, the preoperative block room, or on the labor and delivery floor. Students are expected to arrive daily by 6:45 am in order to obtain their room or anesthesia provider assignments. Students must prepare for each operative case by researching the patient, the comorbidities, and operation. OR start time is 7:15 am daily. Wednesdays are the resident education day, and students are to attend the morning grand rounds as well as the resident lectures. Medical student specific lectures will be given throughout their two week rotation, to be conducted by assigned attendings and/or residents.

The clerkship is divided into two week blocks: Anesthesiology and Critical Care Medicine. Half of the class will start in each part, and will switch at the mid-point. Students will also have the opportunity to elect which Intensive Care Unit they would like to rotate through.

Course Faculty and Staff

- Adrienne Warrick MD (Co-Director)
- Christopher Giordano MD (Co-Director)
- Claudia Chavarro (Course Staff)
- Dani Brown (Course Staff)
- Breaunna Sweet (Course Staff)
- Julie Veal (Course Staff)

Meeting Place and Time

Day 1: 8 am in the Dept of Anest on the 2nd flr (located by Central Staff elevator bank). Report to Claudia Chavarro in the Anesthesia Education Office.

Course Materials

Handbook of Clinical Anesthesia by first author Paul G. Barash; will be provided on loan to rotators.

ANS R 3-Req. Anesthesiology & Critical Care Clerkship/Neurological ICU

ANS R 3 | 4th Year Required | Anesthesiology | Clinical Science

Prerequisites

This course is not offered to non-UF students.

Course Description

This four-week clerkship will challenge medical students to manage patients undergoing surgical procedures as well as those being cared for in the Intensive Care Unit. During the Operative two-week block, each student will be expected to critically examine the perioperative process as well as learn the fundamental procedures that are coupled to it. Those procedures include, but are not limited to airway management, invasive hemodynamic monitors, intravenous fluid replacement and the use of vasoactive medications. The Critical Care two-week block will ask students to treat critically ill patients, and implement the necessary interventions for stabilization and management. The education begins with modules that each student must complete prior to the corresponding didactic session. The formal didactics tests critical thinking skills that will be exercised by simulation and problem-based learning discussions.
The course will begin with an Introduction at 8:00 am on the first Monday of the elective period. The students are required to complete each online module prior to attending the simulation, which will be time stamped and recognized for grading. There are two simulations on the first Monday, meaning that they need to be completed prior to beginning the clerkship. There are a total of nine simulations corresponding to the nine simulations or problem-based learning discussions. There will be two lectures on the first two Mondays and Tuesdays of the clerkship followed by two small group discussions on the third Tuesday.

The clerkship is divided into two week blocks: Anesthesiology and Critical Care Medicine. Half of the class will start in each part, and will switch at the mid-point.

**Course Faculty and Staff**

- Christopher Giordano MD (Director)
- Sean Kiley MD (Co-Director)
- Breaunna Sweet (Course Staff)
- Julie Veal (Course Staff)

**Meeting Place and Time**

Course Lectures/Labs will be held in the Harrell Medical Education Building in Room 465 and 460. Any adjustments will have a notification prior to the lecture.

**Course Materials**

Recommended textbook: Essential Anesthesia by Euliano & Gravenstein (available on reserve in the HSC library).

**Online Modules**

**Additional Information**

Students who are considering Anesthesiology as a career should take the Anesthesiology / Critical Care Clerkship in rotations 1 or 2. This will best prepare them for a Career Elective in 3B. Please email the Course Director, Chris Giordano, MD at cgiordano@anest.ufl.edu with any questions.

**ANS R 4-Anesthesiology & Critical Care Clerkship/Cardiovascular ICU**

**ANS R 4 | 4th Year Required | Anesthesiology | Clinical Science**

**Prerequisites**

This course is not offered to non-UF students.

**Course Description**

This four-week clerkship will challenge medical students to manage patients undergoing surgical procedures as well as those being cared for in the Intensive Care Unit. During the Operative two-week block, each student will be expected to critically examine the perioperative process as well as learn the fundamental procedures that are coupled to it. Those procedures include, but are not limited to airway management, invasive hemodynamic monitors, intravenous fluid replacement and the use of vasoactive medications. The Critical Care two-week block will ask students to treat critically ill patients, and implement the necessary interventions for stabilization and management. The education begins with modules that each student must complete prior to the corresponding
didactic session. The formal didactics tests critical thinking skills that will be exercised by simulation and problem-based learning discussions.

The course will begin with an Introduction at 8:00 am on the first Monday of the elective period. The students are required to complete each online module prior to attending the simulation, which will be time stamped and recognized for grading. There are two simulations on the first Monday, meaning that they need to be completed prior to beginning the clerkship. There are a total of nine simulations corresponding to the nine simulations or problem-based learning discussions. There will be two lectures on the first two Mondays and Tuesdays of the clerkship followed by two small group discussions on the third Tuesday.

The clerkship is divided into two week blocks: Anesthesiology and Critical Care Medicine. Half of the class will start in each part, and will switch at the mid-point.

**Course Faculty and Staff**

- Christopher Giordano MD (Director)
- Sean Kiley MD (Co-Director)
- Breaunna Sweet (Course Staff)
- Julie Veal (Course Staff)

**Meeting Place and Time**

Course Lectures/Labs will be held in the Harrell Medical Education Building in Room 465 and 460. Any adjustments will have a notification prior to the lecture.

**Course Materials**

Recommended textbook: Essential Anesthesia by Euliano & Gravenstein (available on reserve in the HSC library).

**Online Modules**

**Additional Information**

Students who are considering Anesthesiology as a career should take the Anesthesiology / Critical Care Clerkship in rotations 1 or 2. This will best prepare them for a Career Elective in 3B. Please email the Course Director, Chris Giordano, MD at cgiordano@anest.ufl.edu with any questions.

**ANS R 5-Anesthesiology & Critical Care Clerkship/VA Surgical ICU**

**ANS R 5 | 4th Year Required | Anesthesiology | Clinical Science**

**Prerequisites**

This course is not offered to non-UF students.

**Course Description**

This four-week clerkship will challenge medical students to manage patients undergoing surgical procedures as well as those being cared for in the Intensive Care Unit. During the Operative two-week block, each student will be expected to critically examine the perioperative process as well as learn the fundamental procedures that are coupled to it. Those procedures include, but are not limited to airway management, invasive hemodynamic monitors, intravenous fluid replacement and
the use of vasoactive medications. The Critical Care two-week block will ask students to treat critically ill patients, and implement the necessary interventions for stabilization and management. The education begins with modules that each student must complete prior to the corresponding didactic session. The formal didactics tests critical thinking skills that will be exercised by simulation and problem-based learning discussions.

The course will begin with an Introduction at 8:00 am on the first Monday of the elective period. The students are required to complete each online module prior to attending the simulation, which will be time stamped and recognized for grading. There are two simulations on the first Monday, meaning that they need to be completed prior to beginning the clerkship. There are a total of nine simulations corresponding to the nine simulations or problem-based learning discussions. There will be two lectures on the first two Mondays and Tuesdays of the clerkship followed by two small group discussions on the third Tuesday.

The clerkship is divided into two week blocks: Anesthesiology and Critical Care Medicine. Half of the class will start in each part, and will switch at the mid-point.

Course Faculty and Staff

- Christopher Giordano MD (Director)
- Sean Kiley MD (Co-Director)
- Breaunna Sweet (Course Staff)
- Julie Veal (Course Staff)

Meeting Place and Time

Course Lectures/Labs will be held in the Harrell Medical Education Building in Room 465 and 460. Any adjustments will have a notification prior to the lecture.

Course Materials

Recommended textbook: Essential Anesthesia by Euliano & Gravenstein (available on reserve in the HSC library).

Online Modules

Additional Information

Students who are considering Anesthesiology as a career should take the Anesthesiology / Critical Care Clerkship in rotations 1 or 2. This will best prepare them for a Career Elective in 3B. Please email the Course Director, Chris Giordano, MD at cgiordano@anest.ufl.edu with any questions.

ANS R 6-Anesthesiology & Critical Care Clerkship/Medical ICU

ANS R 6 | 4th Year Required | Anesthesiology | Clinical Science

Prerequisites

This course is not offered to non-UF students.

Course Description

This four-week clerkship will challenge medical students to manage patients undergoing surgical procedures as well as those being cared for in the Intensive Care Unit. During the Operative two-
week block, each student will be expected to critically examine the perioperative process as well as learn the fundamental procedures that are coupled to it. Those procedures include, but are not limited to airway management, invasive hemodynamic monitors, intravenous fluid replacement and the use of vasoactive medications. The Critical Care two-week block will ask students to treat critically ill patients, and implement the necessary interventions for stabilization and management. The education begins with modules that each student must complete prior to the corresponding didactic session. The formal didactics tests critical thinking skills that will be exercised by simulation and problem-based learning discussions.

The course will begin with an Introduction at 8:00 am on the first Monday of the elective period. The students are required to complete each online module prior to attending the simulation, which will be time stamped and recognized for grading. There are two simulations on the first Monday, meaning that they need to be completed prior to beginning the clerkship. There are a total of nine simulations corresponding to the nine simulations or problem-based learning discussions. There will be two lectures on the first two Mondays and Tuesdays of the clerkship followed by two small group discussions on the third Tuesday.

The clerkship is divided into two week blocks: Anesthesiology and Critical Care Medicine. Half of the class will start in each part, and will switch at the mid-point.

**Course Faculty and Staff**

- **Christopher Giordano MD** (Director)
- **Sean Kiley MD** (Co-Director)
- **Breaunna Sweet** (Course Staff)
- **Julie Veal** (Course Staff)

**Meeting Place and Time**

Course Lectures/Labs will be held in the Harrell Medical Education Building in Room 465 and 460. Any adjustments will have a notification prior to the lecture.

**Course Materials**

Recommended textbook: Essential Anesthesia by Euliano & Gravenstein (available on reserve in the HSC library).

**Online Modules**

**Additional Information**

Students who are considering Anesthesiology as a career should take the Anesthesiology / Critical Care Clerkship in rotations 1 or 2. This will best prepare them for a Career Elective in 3B. Please email the Course Director, Chris Giordano, MD at cgiordano@anest.ufl.edu with any questions.

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**ANS R 7-Anesthesiology & Critical Care Clerkship/Pediatric ICU**

**ANS R 7 | 4th Year Required | Anesthesiology | Clinical Science**

**Prerequisites**

This course is not offered to non-UF students.

**Course Description**
This four-week clerkship will challenge medical students to manage patients undergoing surgical procedures as well as those being cared for in the Intensive Care Unit. During the Operative two-week block, each student will be expected to critically examine the perioperative process as well as learn the fundamental procedures that are coupled to it. Those procedures include, but are not limited to airway management, invasive hemodynamic monitors, intravenous fluid replacement and the use of vasoactive medications. The Critical Care two-week block will ask students to treat critically ill patients, and implement the necessary interventions for stabilization and management.

The education begins with modules that each student must complete prior to the corresponding didactic session. The formal didactics tests critical thinking skills that will be exercised by simulation and problem-based learning discussions.

The course will begin with an Introduction at 8:00 am on the first Monday of the elective period. The students are required to complete each online module prior to attending the simulation, which will be time stamped and recognized for grading. There are two simulations on the first Monday, meaning that they need to be completed prior to beginning the clerkship. There are a total of nine simulations corresponding to the nine simulations or problem-based learning discussions. There will be two lectures on the first two Mondays and Tuesdays of the clerkship followed by two small group discussions on the third Tuesday.

The clerkship is divided into two week blocks: Anesthesiology and Critical Care Medicine. Half of the class will start in each part, and will switch at the mid-point.

**Course Faculty and Staff**

- Christopher Giordano MD (Director)
- Sean Kiley MD (Co-Director)
- Breaunna Sweet (Course Staff)
- Julie Veal (Course Staff)

**Meeting Place and Time**

Course Lectures/Labs will be held in the Harrell Medical Education Building in Room 465 and 460. Any adjustments will have a notification prior to the lecture.

**Course Materials**

Recommended textbook: Essential Anesthesia by Euliano & Gravenstein (available on reserve in the HSC library).

Online Modules

**Additional Information**

Students who are considering Anesthesiology as a career should take the Anesthesiology / Critical Care Clerkship in rotations 1 or 2. This will best prepare them for a Career Elective in 3B. Please email the Course Director, Chris Giordano, MD at cgiordano@anest.ufl.edu with any questions.

**Applied Gross Anatomy**

ANAT E 1 | 4th Year Elective | Anatomy | Basic Science

**Prerequisites**
Matriculation into the fourth year. Satisfactory completion of the first three years of medical school.

NOTE - Applied Gross Anatomy has a fee of $540 per student registered. There is a minimum of 5 students required in order for this course to be offered. In the event that the course is discontinued (minimum of 5 students not met), all registrants will receive a full refund of the fee.

Course Description

Dissection of cadaver material will be conducted and the dissections reviewed with one of the Anatomy faculty members. The program will be tailored to student interests and needs. A series of dissections designed to illustrate specific areas of clinical interest may be selected or a complete dissection may be chosen that will review the anatomy of the entire body.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Venkatesh Nonabur M.D., (Director)

Meeting Place and Time

Meeting place will be notified through email prior to rotation date.
Time- 8am-12noon; Monday through Thursday. Friday will substitute for any day missed due to schedule changes.

Course Materials

Anatomy Atlas (Student chooses, Reference textbooks and research literature

Additional Information

NOTE - Applied Gross Anatomy has a fee of $540 per student registered. There is a minimum of 5 students required in order for this course to be offered. In the event that the course is discontinued (minimum of 5 students not met), all registrants will receive a full refund of the fee.

Arts and Healthcare in Sub-Saharan Africa

PED E 20 | 4th Year Elective | Pediatrics | Basic Science

Prerequisites

NOT OFFERED in 2018-2019
To schedule this elective you must contact the co-directors concerning your interest and mutually arrange an appropriate schedule. The travel distance and time are long; therefore the elective should be 4 weeks minimum.

4th year UF medical student in good standing after the completion of all the required courses and rotations through the 3rd year of medical school.

Students must be preapproved to participate in this externship prior to scheduling.

Course Description

This month long fourth year externship provides UF College of Medicine students with the opportunity to learn about health care in The Gambia, West Africa and to develop projects using medical humanities better to understand psychosocial issues in the maintenance of health and
treatment of dis-ease. Roughly half of the time will be spent in neighborhood clinics observing medical practice, healthcare and health concerns in this African nation. The other half of the time will be spent in planning programs and/or assisting in community outreach.

Course Faculty and Staff

- Robert M Lawrence MD (Co-Director)
- Nina Stoyan-Rosenzweig (Co-Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time

This course can be scheduled by contacting the co-directors, directly to arrange a schedule. Contact R. Lawrence - lawrerm@peds.ufl.edu or Nina Stoyan Rosenweig - nstoyan@ufl.edu

Course Materials

The use of photographs, sound recordings or video from The Gambia as part of their presentations on their return. This will require signed release forms from the participants.

Additional Information

Participation in the course and travel to the Gambia will require preplanning- acquiring a visa, immunizations, and appropriate malaria medication. Plane fare also will be more reasonable if reservations are made in advance.

Appropriate health insurance will be required

Autopsy Pathology

PATH E 2 | 4th Year Elective | Pathology | Clinical Science

Prerequisites

Successful completion of the basic science curriculum.

Course Description

COURSE GOALS: This elective is structured to provide senior medical students an introduction to autopsies and postmortem examinations, including death investigations, forensic autopsies, detailed dissections, toxicology and court testimony. During this elective, the student will:

1. Review medical, social and other information, formulating appropriate workup strategies

2. Review organ pathology through active participation in autopsies (including dissecting), autopsy conferences, and case reviews.

3. Enhance physical diagnostic skills applicable to gross analysis of organs, and expand those findings with the microscopic examination of samples taken.

4. Understand COD (cause of death) and MOD (manner of death) determinations and which deaths must be reported to the medical examiner's office

5. Become competent at certifying natural deaths.

Course Faculty and Staff

- Wendy Stroh DO (Director)
- Linda Harlan (Course Staff)

Meeting Place and Time

8:30 am: Autopsy Unit (MG-35), OR the District 8 Medical Examiner's Office, 606 SW 3rd Avenue, 352-273-9292.

Course Materials

Current autopsy cases, including hospital and forensic cases. Selected readings as assigned by director.

Additional Information

This rotation combines the resources of the Shands/UF morgue and the District 8 MEO, necessitating travel between the two locales. Students are given the opportunity to attend crime scenes and perform autopsies, at the discretion of the director.

Basic Neurosurgery For Non-Neurosurgeons - Jacksonville

NSU E 1J | 4th Year Elective | Neurosurgery | Clinical Science

Course Description

The student will attend monthly Neurology/Neurosurgery Grand Rounds, M&M Conferences, daily rounds with an neurosurgeon attending and PA. Also, opportunities to scrub in surgical cases as assistant.

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Other Faculty)
- Daryoush Tavanaiepour MD (Director)
- Dani Brown (Course Staff)
- Noretta Rasmussen (Course Staff)

Meeting Place and Time

Department of Neurosurgery; Neuroscience Institute, 580 W. 8th Street, Plaza 1, 8th Floor, Jacksonville, FL 32209

Course Materials

Handbook of Neurosurgery; Reprints of journal articles; Imaging study films

Additional Information

Daily rounds with one attending.
Becoming an Effective Resident Teacher

PATH E 16 | 4th Year Elective | Pathology | Basic Science

Prerequisites

4th year Medical Student

Course Description

This is a self-paced on-line course that consists of 9 modules and associated assignments.

This 2-credit longitudinal on-line course is designed to prepare students for teaching responsibilities which they will assume as an intern and resident. Topics will include adult learning theory, writing learning outcomes, principles of assessment, bedside teaching, providing feedback and approaches to the “struggling learner”. The rationale for this elective is that despite the expanded teaching role that interns and residents have, there exists no formal preparation for these responsibilities; in addition, documentation of teaching activities and quality has become more important for career progression and promotion in academic teaching tracks.

The course is designed to be flexible and self-paced to accommodate students’ schedules especially during residency interview season.

Course Faculty and Staff

• Joseph C. Fantone III MD (Director)
• Jacqueline A Seekamp (Course Staff)

Meeting Place and Time

Students are encouraged to collaborate with each other but submit their own work/assignments. Meetings with the course director can be arranged on an individual or group basis as needed.

Course Materials

Assignments are available on the 4th year Course Documents module in StudyCore.

Additional Information

Goal:
To prepare medical students for teaching during their residency and beyond.

Learning Outcomes:
Each student will be able to:
• Compare and contrast different learning theories and how they apply to medical education.
• Explain the basis of “adult learning theory”
• Explain the importance of “intended learning outcomes” in directing/focusing learning
• Write effective “intended learning outcomes”
• Write effective multiple choice test items
• Apply the principles of effective feedback in multiple learning settings
• Apply different clinical teaching techniques in the clinical setting
• Identify and discuss underlying reasons why some learners struggle

Evaluation of Student's Performance:
Students are expected to complete all assignments demonstrating effective achievement of the learning outcomes. Grading is satisfactory/unsatisfactory.
**Biochemistry Independent Study**
BIO-IS | 4th Year Elective | Biochemistry | Basic Science

**Prerequisites**
UF 4th year medical student

**Course Description**
This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Biochemistry at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

**Course Faculty and Staff**
- Beth Magyari (Course Staff)
- Maureen A Novak MD (Co-Director)
- Patrick Duff MD (Co-Director)
- Matthew Ryan MD, PhD (Director)

**Meeting Place and Time**
TBA

**Course Materials**
TBA

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**Biomedical Informatics**
EPI E 2 | 4th Year Elective | Health Outcomes and Policy | Basic Science

**Prerequisites**
UF COM 4th year students

**Course Description**
The goal of this 2-credit, longitudinal course is to introduce medical students to the academic discipline and practice of biomedical informatics, to include practical skills in information management that are relevant throughout one’s medical career. Biomedical informatics is the science and practice of information in support of all activities that improve human health, from patient care to research to public health and more.

**Course Faculty and Staff**
- William Hogan MD, MS (Director)
Meeting Place and Time

All students, regardless of period subscribed, must contact course director and have an initial meeting before September. Future meetings and schedule will be determined at that meeting based on the student's clinical rotations.

Course Materials


This book is downloadable as a PDF from the UF library.

Breast Cancer: A Multidisciplinary Perspective

SUR E 15 | 4th Year Elective | Surgery | Clinical Science

Prerequisites

4th year student

Course Description

Students will gain a multidisciplinary perspective on the current management of breast cancer by spending time with members of the UF-Shands Breast Cancer multidisciplinary program (Surgical Oncology, Medical Oncology, Radiation Oncology, Radiology, Pathology, and Genetics). Through hands-on patient experience students will develop a thorough understanding of the role that each specialty plays in the modern management of breast cancer patients. Students also will participate in the weekly breast cancer tumor board culminating with a brief lecture to the members of the breast cancer tumor board on a current topic in breast cancer

Course Faculty and Staff

- Julia K Marshall (Other Faculty)
- Christina Shaw MD (Other Faculty)
- Lisa Spiguel MD (Other Faculty)
- Ashley Beavers (Course Staff)
- Adela Van Antwerp (Course Staff)

Meeting Place and Time

Contact Dr. Christiana Shaw (christiana.shaw@surgery.ufl.edu) 1 week prior to course for meeting time and location and schedule.

Course Materials

Handouts provided as needed.

Burn Unit

SUR E 7 | 4th Year Elective | Surgery | Clinical Science

Prerequisites
Surgery 3rd year clinical rotation

Course Description

COURSE GOALS: Participate as an active team member providing comprehensive patient management under supervision, thus permitting the student to become familiar with the role of an intern. Assessment and treatment of patients with thermal, chemical and electric injury stressing resuscitation and emergency management, infection control, nutritional support, surgical treatment and rehabilitation. Patient management involves the critical care, surgical, rehabilitative and outpatient settings.

Course Faculty and Staff

- David W Mozingo MD (Director)
- Ashley Beavers (Course Staff)
- Adela Van Antwerp (Course Staff)

Meeting Place and Time

Contact the Surgery Education Office at 265-0916 one week before the start of the rotation for reporting instructions.

Cardiology Inpatient And Consultative Services - Jacksonville

MED E 1J | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites

4th year medical student

Course Description

This elective involves rounding on the inpatient Cardiology Consultative service with the house-staff assigned to that rotation. This will generally consist of an internal medicine resident, a cardiology fellow and the attending physician in charge. Pre-rounds usually occur prior to meeting with the attending physician who will determine the exact hour to officially go over consults that have been pre-evaluated by the team (student, resident, fellow). Usually consults that come overnight are seen early in the am – time, order and distribution of these patients is determined by the Cardiology fellow who leads this pre-rounding.

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Other Faculty)
- Gladys Velarde MD (Director)
- Dani Brown (Course Staff)
- Karen Goodman (Course Staff)

Meeting Place and Time

On the first day of the rotation, please report to the Cardiology Lobby located on the 5th Floor, ACC Building at 8:30am

Course Materials
Additional Information

Before & during the elective, contact Ms. Karen Goodman @ 904-244-3932 or karen.goodman@jax.ufl.edu, for assistance.

At the end of a 4 week-rotation, a 4th year medical student should be able to do the following:
1. Interpret a 12 lead ECG in a systematic way and be able to identify rhythm, axis, intervals and basic abnormalities
2. Interpret basic CXR in a systematic way and able to recognize cardiovascular landmarks
3. Interpret basic rhythms on telemetry monitoring
4. Be able to conduct a throughout physical exam with emphasis on the cardiovascular system and identification of normal vs abnormal cardiac sounds.
5. Evaluate consultations that come to the consultative service and able to generate a concise consultative report based on chief complaint, H and P, objective data, physical exam with emphasis on cardiovascular system and cardiac findings
6. Formulate differential diagnosis based on objective and subjective data
7. Present findings and differential diagnosis to the members of the team independently

Conferences:
Medical students rotating in either of the cardiology electives are required to attend all core conferences offered to cardiology fellows in the Department of Cardiology. You can get weekly schedule of conferences from Cardiology Program Administrator, Karen M. Goodman. Students are also required to attend Monday Morning Report, which occurs on Mondays at 7:45 am, Unless otherwise noted on the conference schedule. Additionally, medical students are encouraged to attend other didactic sessions in EP, interventional cardiology or echocardiography as their schedule permits.

Evaluations:
Medical students in the cardiology rotations will be evaluated by the house staff they worked under and the attending physician who was in charge of the team at the time.
Grading: Pass or Fail options

Cardiovascular Critical Care - Jacksonville

MED E 9J | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites
4th year medical student

Course Description
This elective involves rounding on the Cardiology Coronary Care unit with the house-staff assigned to that service. This will generally consist of two teams each formed by two or three residents (IM or EMD) and a Cardiology Fellow. One attending physician is typically in charge of both teams. Call usually alternates between the two teams. Pre-rounds usually occur prior to meeting with the attending physician who will determine the exact hour to officially round on patients admitted to the
CCU. The attending physician usually rounds with the post call team first in the am so as to allow them to finish early and stay within regulations of duty hours. Cardiology fellows are in charge of the assignments of patients to house-staff and the overall operations of their teams. Medical students will be working directly under the supervision of the house-staff assigned to them.

**Course Faculty and Staff**

- Frank J Genuardi MD, MPH (Other Faculty)
- Gladys Velarde MD (Director)
- Dani Brown (Course Staff)
- Karen Goodman (Course Staff)

**Meeting Place and Time**

On the first day of the rotation, please report to the Cardiology Lobby, 5th Floor of the ACC Building, at 8:30 am.

**Course Materials**

Texts recommended
Rapid Interpretation of EKGs by Dale Dubin
Braunwalds Heart Disease; 8th ed A Textbook of Cardiovascular Medicine

Additional Educational Materials: May be obtained from The Borland Medical Library and other in house permissible educational sites.

**Additional Information**

Before and during the elective, contact Ms. Karen M. Goodman @ 904-244-3932 or karen.goodman@jax.ufl.edu, for assistance.

At the end of a 4 week rotation, a 4th year medical student should be able to do the following:
1. Interpret a 12 lead ECG in a systematic way and be able to identify rhythm, axis, intervals and basic abnormalities
2. Interpret basic CXR in a systematic way and able to recognize cardiovascular landmarks
3. Interpret basic rhythms on telemetry monitoring
4. Be able to conduct a throughout physical exam with emphasis on the cardiovascular system and identification of normal vs abnormal cardiac sounds.
5. Be able to identify the clinical presentation of Acute Coronary Syndromes
6. Be able to identify the clinical presentation of Acute decompensated Heart Failure
7. Be able to identify lethal arrhythmias (Vtach, Vfib)
8. Be able to identify certain cardiac emergencies including but not exclusive to ACS, ADHF, Hypertensive emergencies, pericardial tamponade, cardiogenic shock.
9. Be able to identify key therapeutic protocols for each of these emergencies.

Conferences:
Medical students rotating in either of the cardiology electives are required to attend all core conferences offered to cardiology fellows in the Department of Cardiology. You can get weekly schedule of conferences from Cardiology Program Administrator, Karen M. Goodman. Students are also required to attend Monday Morning Report, which occurs on Mondays at 7:30 am, unless otherwise noted on the conference schedule. Additionally, medical students are encouraged to attend other didactic sessions in EP, interventional cardiology or echocardiography as their schedule permits.

Evaluations:
Medical students in the cardiology rotations will be evaluated by the house staff they worked under and the attending physician who was in charge of the team at the time.

Grading: Pass or Fail options

**CHFM - Clinical Independent Study**

**CM CIS | 4th Year Elective | Community Health and Family Medicine | Clinical Science**

**Prerequisites**

UF 4th year medical student

**Course Description**

This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Community Health and Family Medicine at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student.

**Course Faculty and Staff**

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

**Meeting Place and Time**

TBA

**Course Materials**

TBA

**Additional Information**

TBA

**CHFM - Externship**

**CM EXT | 4th Year Elective | Community Health and Family Medicine | Clinical Science**

**Prerequisites**

UF 4th year medical student

**Course Description**

This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the department of Community Health and Family Medicine. Students should complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

**Course Faculty and Staff**
CHFM - Independent Study

CM IS | 4th Year Elective | Community Health and Family Medicine | Basic Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Community Health and Family Medicine at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

Child and Adolescent Psychiatry

PSY E 5 | 4th Year Elective | Psychiatry | Clinical Science

Prerequisites

Fourth Year Medical Student - students must contact the Course Director prior to the start of their rotation.

Course Description
This rotation will be tailored to the specific interests and needs of participating students. Students will see a variety of psychiatric diagnoses in the child and adolescent population, including Autism, ADHD, OCD, Tourette's Disorder, Depression, Anxiety, Bipolar Disorder, and Psychotic disorders. It consists of mostly inpatient experiences at the Child & Adolescent Psychiatric Hospital, located within UF Health Shands Psychiatric Hospital, and outpatient experiences at the UF Child & Adolescent Psychiatry Clinic at Springhill Health Center. It may include rotations to community-based or off-clinic sites. This elective is well-suited for students who want to learn more Child and Adolescent Psychiatry; whether they wish to enter a primary care or a Psychiatry residency in the future.

Course Faculty and Staff

- Jacqueline Hobbs MD, PhD (Co-Director)
- Terry Lemesh (Course Staff)
- Michael Shapiro MD (Director)

Meeting Place and Time

Hospital is located at 4101 NW 89th Blvd in the "Health Park," located here: https://ufhealth.org/uf-health-shands-psychiatric-hospital

Rounds start at 7:15am. Please arrive at 7:05am. Go to the main entrance of Vista, stop at the security desk to

Course Materials


Additional Information

Faculty Participants - All faculty of the Division of Child and Adolescent Psychiatry.

Clinic and Consultation Service in Neurology

NEUR E 1 | 4th Year Elective | Neurology | Clinical Science

Prerequisites

3rd year Neurology clerkship

Course Description

To increase the student's knowledge of the nervous system, and of neurologic diseases; to improve his/her ability to evaluate patients with neurologic disease; to enhance his/her analytical skills in the diagnosis and treatment of neurologic disease. The inpatient and outpatient service settings allow students considerable time for reading and in-depth consideration of the patients they see. This course is recommended for students committed to a career in neurology and for those students
potentially interested in neurology as a career and seeking help in making a choice. The course also is intended for students not interested in neurology as a career but wanting to improve neurological skills in preparation for a career in a related field or simply those seeking a well-rounded clinical education. The settings (inpatient or outpatient) time distribution can be tailored to address the student's needs and personal goals.

Course Faculty and Staff

- Kelly Martin (Course Staff)
- Polly Glattli (Course Staff)
- Miguel Chuquilin MD (Director)

Meeting Place and Time

Contact clerkship director to organize your schedule for time & location before the start date. Then meet with faculty and residents on room depending on the service you were assigned.

Course Materials

Third Year Neurology clerkship lectures, powerpoints
Blueprints Neurology (Blueprints Series) by Frank W. Drislane and Dr. Juan Acosta
Adams and Victor's Principles of Neurology 10th Edition by Allan Ropper and Martin Samuels
Tools: reflex hammer, tuning fork, penlight

Additional Information

The location (inpatient/outpatient) and focus of the activities will be tailored to each student's needs and goals. It is possible to focus on a subspecialty (example - behavioral neurology, movement disorders) or a location (example - Malcom Randall VAMC, Shands Stroke service) with prior approval of the clerkship director before beginning the course.

Clinical Cardiology

MED E 4 | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites

Fourth Year Medical Student

Course Description

Students will work closely with specific faculty preceptors and fellows in cardiovascular medicine. Duties will consist of evaluating patients with cardiovascular problems on the inpatient medical and surgical services. This typically includes patients with coronary artery disease, angina, and atrial fibrillation. In addition, students can expect to evaluate patients for preoperative cardiovascular risk assessment prior to non-cardiac surgery. Other common referrals include syncope, chest pain, dyspnea, congestive heart failure, and congenital heart disease in adults. Students will evaluate patients semi-independently and will present information to the fellow and attending on consult rounds. In addition, students on this elective participate in our cardiovascular teaching conferences, which include a weekly Clinical Case conference, a conference series for Housestaff, Cardiology Grand Rounds, and Medical Grand Rounds. During the elective, students will have formal directed exposure to reading ECG's, supervising treadmill stress tests, and observing a limited number of
cardiac catheterization procedures. Students may take the elective for 2 weeks or 4 weeks. Only one student will take the elective at a time.

Course Faculty and Staff

- Matthew McKillop MD (Co-Director)
- Nicolle Michaels (Course Staff)
- Matthew Staehnke (Course Staff)

Meeting Place and Time

Schedule a day and time the week before rotation, to report to the 1329 building located at 1329 SW 16th Street, Gainesville, Florida 32610 - 5th floor Cardiology - room 5120.1 (Contact Nicolle to set this up).

Course Materials

A written handout with schedules and instructions will be provided on the first day of the elective.

Additional Information

Before and during the elective, contact Nicolle Michaels at 352-294-8818 or nicolle.michaels@medicine.ufl.edu for assistance. You may also contact Matthew McKillop, MD at 352-273-9063 or mckilms@medicine.ufl.edu for questions or concerns.

Clinical Chemistry, Hematology and Coagulation: Laboratory Approaches to Clinical Medicine

PATH E 4 | 4th Year Elective | Pathology | Clinical Science

Prerequisites

Successful completion of the basic science curriculum.

Course Description

This rotation is provided by Drs. William E. Winter and Neil Harris. Topics to be reviewed in mini-seminar format include the application of clinical chemistry to clinical medicine, clinical interpretation of laboratory results and analytical methods used in clinical laboratory practice. Included in this rotation will be an emphasis on coagulation testing and related hematology topics. An emphasis is placed on the effects of pre-analytical variability on laboratory testing. The clinical clerk also will gain exposure to the clinical chemistry consult service. Much of this work involves interpretation of SPEs, UPEs, IFEs, hemoglobin electrophoresis and HIV antibody western blots. Rotations through the STH-UF laboratory and Stat lab can be arranged to familiarize the student with the daily operation of the laboratory.

Students should collect the MR#'s of interesting patients that they would like to discuss. At least one mini-seminar will be held daily with the attending faculty. Often 2 mini-seminars will be conducted daily. Electrophoresis is interpreted in the afternoon. It is expected that students will spend a minimum of 1 hour preparing for the mini-seminar and 2 hours of reading after each mini-seminar. Students can review the gels prior to electrophoresis interpretation (1 hour). Electrophoresis rounds takes 1 to 2 hours. Following rounds, students should read about the cases discussed (~2 hours).

Course Faculty and Staff
Meeting Place and Time
On the first day of the rotation students should attend the Clinical Pathology (CP) conference at 7:30 AM in N1-18 (1st floor Conference Room). After the conference Dr. Winter and the student will plan when they will meet.

Course Materials

Additional Information
This rotation provides an overview of the daily life of the academic clinical pathologist. This is a great opportunity for students to review the integration of basic and clinical science in preparing for USMLE step 2.

Clinical Dermatology
MED E 11 | 4th Year Elective | Dermatology | Clinical Science

Prerequisites
4th year medical students.
Non-UF students applying for this rotation should also submit a copy of their transcript and a personal statement.

Course Description
Provide instruction in the techniques of examination of skin.
Enhance the student’s vocabulary in describing skin lesions.
Introduce the student to most of the common skin diseases and a few of the less common diseases.
Provide experience in dermatological prescribing and compounding.
Demonstrate the techniques of skin biopsy as well as surgical excision.
Complete an evaluation at the end of the course.

Course Faculty and Staff

- Megan McCann (Course Staff)
- Brandon Brown MD (Director)
- Matthew Staehnk (Course Staff)

Meeting Place and Time
8:00 AM on First day of rotation - report to UF Dermatology, located in Springhill Medical Building, located at 4037 86th Terrace, Gainesville (off 39th Ave near Santa Fe College) 4th floor of the building.
Phone 352-594-1500
Course Materials
Clinical Dermatology, Soutor and Hordinsky

Additional Information
Participants should receive email from Derm Ed Coordinator prior to rotation - Megan McCann.
email = meganjmccann@ufl.edu
phone = 352-594-1925

Clinical Elective - Otolaryngology/Jacksonville
OTOL E 1J | 4th Year Elective | Otolaryngology | Clinical Science

Prerequisites
NONE

Course Description
General background in otolaryngology head & neck surgery through patient care in the clinic setting, operating room, and in the care of inpatients at UF & Shands Jacksonville.

Course Faculty and Staff
- Frank J Genuardi MD, MPH (Other Faculty)
- Dani Brown (Course Staff)
- Jessica Pittman (Course Staff)
- D. Scott Lind MD (Co-Director)
- Sarah Fernandez MD (Director)

Meeting Place and Time
Otolaryngology Clinic; 2nd floor Faculty Clinic; 8:30 AM on the first day of the rotation

Course Materials
General otolaryngology textbooks

Additional Information
Educational Goals:
- Use framework of otolaryngology to develop an understanding of core principles in surgery
- Develop an ability to identify, diagnose and initiate treatment of common otolaryngologic diseases
- Acquire knowledge necessary to recognize various otolaryngologic disease conditions and complications:
  - Acute care and management of upper airway obstruction and difficult airway patients
  - Care and management of tracheostomy patients
  - Exposure to various modes of endoscopy (nasal, pharynx, larynx, and esophageal)
  - Various types of otitis and hearing loss, sinusitis and headache
  - Head and neck cancer diagnosis and treatment
  - Various types of sinusitis including various medical and surgical management.
  - Learn basic principles for the diagnosis and management of common otolaryngologic conditions
  - Improve comprehension of head and neck anatomy and learn to apply it in both the clinical examination and surgical environment setting.
Hands on experience and daily teaching of routine clinical and operative patient management

Introduction to basic surgical techniques in the operating room setting

Student Responsibilities:
- Participate in rounds
- Active participation in the division's educational programs
- Follow and manage patients admitted to the otolaryngology inpatient service under the immediate guidance and supervision of the designated attending and resident
- Participate in the operating room
- Evaluate and present patients in clinic.

Clinical Elective in Gynecology

OBG E 3 | 4th Year Elective | Obstetrics and Gynecology | Clinical Science

Prerequisites

Fourth year medical student

Students from outside institutions must meet the minimum criteria for being granted an interview for a UF OB/GYN residency position in order to be considered for the clerkship.

Course Description

During the elective, students will gain experience in:
• management of outpatient problems commonly encountered by a general gynecologist
• performance of major and minor gynecologic surgical procedures
• perioperative management of gynecologic surgery patients
• care of patients who present with emergent problems
• management of patients with cervical dysplasia

Students on the elective will gain experience by:
• working closely with the faculty and residents in clinics at the Medical Plaza
• performing minor surgical procedures and assisting with major cases
• rounding with the resident team
• assisting with coverage of the Emergency Department
• attending division educational conferences

Course Faculty and Staff

- John D Davis MD (Director)

Meeting Place and Time

Attend core lecture at 7 AM on the first Monday of the rotation. Dr. Davis will meet with you right after core lecture and orient you to the service.

Course Materials

Heather Ellis will provide you with reading materials by email before the rotation starts. During the elective, I suggest you use TeLinde's Operative Gynecology and Comprehensive Gynecology as references.

Additional Information
The department contact person for this course is the student clerkship coordinator, Heather Ellis. She can be reached at ellish@ufl.edu or 273-7675. Please contact her by email 1 week before the start of the elective so she can share important information with you. Please copy me at davisjd@ufl.edu when you email Heather.

Clinical Elective in MICU
MED E 12 | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites
Medicine clerkship is mandatory
Sub-internship in Medicine is desirable

Course Description
Student will participate in the care of critically ill patients under the supervision of upper level internal medicine residents, pulmonary & critical care fellow and MICU attending.

Student will deliver succinct presentations during interdisciplinary MICU rounds. Student will write informative and insightful progress notes. Student will learn about coordination of care in the ICU. Student will learn about physician-to-family communication with special attention to end-of-life issues.

Student will learn to interpret arterial blood gases, portable chest X-rays, Chest CTs and data from invasive monitoring of hemodynamics. Student will learn to evaluate and manage common problems in the ICU including fever, hypoxemia and hypotension. Student will learn to manage septic shock, ARDS, toxic syndromes and other problems. Student will learn about principles and practice of invasive and non-invasive mechanical ventilation. Students will learn about use of analgesics and sedatives in the ICU. Students will learn to manage discontinuation of mechanical ventilation.

Student will learn about nutrition in ICU patients. Student will learn best practices for prevention of pulmonary embolism, ventilator-associated pneumonia, line infection, and gastritis / stress ulcer in ICU patients.

Student may perform certain invasive procedures including placement of arterial catheter and placement of central venous catheter. Student will learn indications for and may observe certain invasive procedures including intubation, bronchoscopy, chest tube placement, pulmonary artery catheterization, and percutaneous dilational tracheosotomy.

Students will participate in a series a small group discussions led by MICU fellow and / or attending addressing several topics of incontrovertible importance to the practice of critical care medicine. Discussions will include references to clinical cases, clinical trials, clinical guidelines and other materials.

Course Faculty and Staff
- Ali Ataya MD (Director)
- Irahim Faruqui MD (Director)
- Chris Pintado MPH (Course Staff)
- Amanda Lazenby (Course Staff)
Meeting Place and Time

Contact Amanda Lazenby prior to the start of the rotation 352-273-8738 or via email Amanda.Reed@medicine.ufl.edu. An email with an introduction to the MICU document will be sent out prior to starting the course with details about teams and round.

Course Materials

- Marino The ICU Book
- Fink Textbook of Critical Care

helpful websites:
https://pulmccm.org/
https://emcrit.org/

Articles of Interest (may not be all updated)

ARDS.
Results of this study found the use of low (6 ml/kg predicted weight) rather than "standard" (12 ml/kg predicted weight) tidal volumes reduced mortality from 40 to 30%.

A NHLBI ARDS net randomized trial comparing high and low PEEP strategies in 549 patients with ALI or ARDS found no significant difference in mortality, ventilator-free days, ICU-free days, or organ failure-free days in the two groups.

This study randomized 180 patients with persistent ARDS (7 to 28 days after onset) to methylprednisolone (daily dose 2 mg/kg x 14 days then 1 mg/kg x 7 days) vs. placebo. Hospital mortality and 180-day survival were comparable, but patients enrolled 14 or more days after ARDS onset had increased 60-day mortality (35% vs. 8% placebo, p = .02).

This study of 91 patients with severe ARDS has added fuel to the debate over systemic corticosteroid use in acute lung injury. The intervention group received steroids within 72 hours of ARDS diagnosis and a slow taper. Steroid recipients had decreased duration of mechanical ventilation and ICU stay. The higher proportion of patients with catecholamine-dependent shock among controls, cross over from control to steroids in "nonresponders" at day 7, and 2:1 randomization of treatment to control are among the concerns raised since its publication.

A randomized study, comparing conservative vs. liberal fluid management (via explicit protocols) applied over seven days to 1000 patients with acute lung injury. Although there was no significant difference in the primary outcome of 60-day mortality, the conservative strategy of fluid management shortened the duration of mechanical ventilation and ICU stay without increasing nonpulmonary-organ failure.

SEPSIS.

This update of the 2004 guidelines utilized a new approach for grading the evidence underlying
recommendations. Noteworthy changes include elimination of the cosyntropin stim test and downgrading the recommendation to "weak" for hydrocortisone in patients with persistent shock and for activated protein C in patients with severe sepsis.

RCT (N = 499) found no 28-day mortality benefit to "physiologic" doses of hydrocortisone administered within 72 hours of sepsis onset, independent of the response to a corticotropin stim test. Difficulty with patient recruitment and lower than expected mortality led to the study having a power of < 35% to detect a 20% reduction in relative risk of death.

This RCT of 263 patients found benefit from early (in E.D.) aggressive resuscitation (in-hospital mortality of 30% in the goal-directed group compared to 46% in the standard therapy group). The intervention arm was noteworthy for prn use of blood transfusion and/or inotropes to maintain central venous O2 sat >70%. Authors speculate the earlier aggressiveness accounts for better outcomes than previous studies of goal-directed hemodynamic optimization.

HYPOTHERMIA
This article shows that in patients who have been successfully resuscitated after cardiac arrest due to ventricular fibrillation, therapeutic mild hypothermia increased the rate of a favorable neurologic outcome and reduced mortality.

NEPHROLOGY AND ICU
This review article explains the various forms of hemodialysis, ultrafiltration, and hemofiltration as well as the most common ICU indications for Renal Replacement Therapy.

LIVER AND ICU
1. http://ajrccm.atsjournals.org/cgi/reprint/168/12/1421
Review of the most common liver problems in the ICU as well as their management.

Update of the current practice guidelines for the treatment of varices, including use of antibiotics, octreotide, and IV PPI in the intensive care setting.

ENDOCRINE AND ICU
1. http://pmj.bmj.com/content/83/976/79.long
This review discusses the management of diabetic ketoacidosis, hyperosmolar hyperglycemic state, hypoglycemia, hypercalcemia, thyroid storm, myxedema coma, acute adrenal insufficiency, pheochromocytoma hypertensive crisis and pituitary apoplexy in the adult population.

SEDATION AND ICU
RCT found daily interruption of sedation in a MICU population resulted in shorter duration of mechanical ventilation and ICU stay, less total dose of sedation, and less use of diagnostic tests to work-up impaired mental status compared to the control group. No increase in short term adverse
outcomes in the intervention group identified but patients were not evaluated for subtle or long-term adverse outcomes.

This study is noteworthy for finding use of dexmedetomidine reduced the prevalence of delirium (54% vs 77% with midazolam) and for providing further evidence of the safety of using dexmedetomidine at higher doses and longer duration than currently approved by the FDA. There was no difference in the primary outcome, time spent at target level of sedation. Duration of mechanical ventilation was shorter with dexmedetomidine but length of ICU stay was similar.

WEANING MECHANICAL VENTILATION

Prospective, randomized study found once daily or multiple daily trials of spontaneous breathing (T-piece or CPAP <5 cm) resulted in more rapid successful extubation than gradual weaning of pressure support or IMV.

This RCT found the combination of daily sedation holiday and daily weaning trials resulted in reduced ventilator days and reduced mortality compared to daily weaning trials alone (HR 0.68, p = .01, NNT to save one life 7).

BMT AND ICU

1. http://ajrccm.atsjournals.org/cgi/reprint/170/1/22
A State of Art article that provides an excellent overview of the complications of solid organ and hematopoietic stem cell transplantation

Additional Information

You will received an introduction to the MICU docuemnt before you start the rotation highlighting expectations, reading material, etc.

Clinical Elective on the Surgical Critical Care Service - Jacksonville

SUR E 6J | 4th Year Elective | Surgery | Clinical Science

Prerequisites

Completion of third year core rotation in General Surgery.

Course Description

The surgical critical care service provides comprehensive care for trauma surgery and surgical subspecialties. There are approximately 28 surgical critical care beds within the unit. Responsibilities include daily rounds, procedures, and didactic education.

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Other Faculty)
- Sarah Fernandez MD (Director)
- Eugenia Smith (Course Staff)
- Dani Brown (Course Staff)
- Jessica Pittman (Course Staff)
Clinical Elective on the Trauma Service - Jacksonville

SUR E 7J | 4th Year Elective | Surgery | Clinical Science

Prerequisites
Completion of third year core rotation in General Surgery.

Course Description
We are the only Level 1 Trauma Center in Northeast Florida. There are approximately 4000 trauma evaluations per year, with 18% being penetrating trauma. This rotation is on a busy trauma service and you will be expected to be involved in all aspects of patient care. This includes the initial evaluation of trauma patients, daily rounds, and operative cases.

Course Faculty and Staff
- Frank J Genuardi MD, MPH (Other Faculty)
- Sarah Fernandez MD (Director)
- Eugenia Smith (Course Staff)
- Dani Brown (Course Staff)
- D. Scott Lind MD (Co-Director)
- David Skarupa MD (Other Faculty)
- David Ebler MD (Other Faculty)
- Jin Ra (Other Faculty)
- Brian Yorkgitis DO (Other Faculty)
- Marie Crandall MD (Other Faculty)
- Albert Hsu MD (Other Faculty)

Meeting Place and Time
8:30 AM; Student Coordinator's (Jessica Pittman) office; 3rd floor Faculty Clinic

Clinical Endocrinology and Metabolism

MED E 7 | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites
4th year medical students
Course Description

Previous information:

Hands-on experience in diagnosing and treating patients with endocrine diseases.

Supervision by attendings, fellows and residents on the Adult Endocrine consult and clinic services. The consultation service responds to referrals from both the VA and Shands hospitals and emphasizes teaching, both within the consult team and also directed toward the referring team.

Students are given the opportunity to see patients in various specialty clinics. Students experience a wide range of illnesses in these clinics (Diabetes, Lipid, Osteoporosis, Pituitary Tumors, Thyroid) and get exposure to thyroid ultrasound.

Weekly clinical conferences include, presentation of great cases and student presentations on clinically inspired topics.

Course Faculty and Staff

- Kenneth Cusi MD (Co-Director)
- Valerie Myrick (Course Staff)
- Catherine Edwards MD (Director)
- Matthew Staehnke (Course Staff)

Meeting Place and Time

At 8:30 a.m. CLINIC LOCATION: Medical Plaza Building, 3rd floor IMMS Clinic

Course Materials

Consults daily with scheduled out-patient clinics and/or in-patient consult service (5 days per week). Assigned readings.

Additional Information

Endocrinology Out-Patient clinic is located on the 3rd floor of the Medical Plaza Bldg., except for the Pituitary Clinic which is held on Tuesday AM in the Neurosurgical Clinic (on the 1st Floor of the main hospital building just beside Shands Atrium and the outpatient lab and pharmacy

Clinical Endocrinology, Diabetes and Metabolism-Jacksonville

MED E 10J | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites

Successful completion of internal medicine clerkship.

Course Description

The Clinical Endocrinology, Diabetes and Metabolism Clerkship provides hands-on experience in the evaluation and treatment of patients with endocrine and metabolic diseases. History and physical examination are emphasized during this clerkship. Endocrinology faculty, fellows and core program residents on the Adult Endocrine consult and clinic services instruct and supervise clerks. The consultation service evaluates referrals from the UF Health Jacksonville medical center. Students are given the opportunity to evaluate patients in the endocrinology clinics. Students learn from a
wide variety of patients presenting with diabetes mellitus, lipid disorders, pituitary pathology, thyroid disease and metabolic bone disease. Clerks are exposed to thyroid ultrasound and thyroid fine needle aspiration. Weekly clinical conferences include presentation of clinical cases and student presentations on clinically inspired topics. Additional conferences include endocrinology core lectures, journal clubs, multidisciplinary conferences that include surgeons, pathologists, radiologists and radiation therapists and Endocrine Grand Rounds. Opportunities to work in a basic science lab are also available.

Course Faculty and Staff

- Kent Wehmeier MD (Director)
- Joe Chehade MD (Other Faculty)
- Nancy Culpepper (Course Staff)
- Dani Brown (Course Staff)
- Gunjan Gandhi MD (Other Faculty)
- Leena Shahla MD (Other Faculty)
- Marilu Jurado-Flores MD (Other Faculty)

Meeting Place and Time

Meet with the program administrator in the Endocrine Division 2nd floor of the Learning Resources Center at 8:00 a.m. to review the schedule of activities. Please contact Nancy Culpepper, at 904-244-3702 or email her at nancy.culpepper@jax.ufl.edu.

Course Materials


Additional Information

For the first day: Meeting with the program administrator in the Endocrine Division second floor of the Learning Resources Center at 8:00 a.m. to review the schedule of activities. Clinic location: Emerson Medical Plaza Building A, Suite 200, 4555 Emerson Street. Jacksonville, FL 32207 about 10 minutes from the Endocrine Division Office. Required tools for examination include pen light, ruler, stethoscope and reflex hammer.

Clinical Gastroenterology

MED E 2 | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites

4th year medical student.

Course Description

This course will provide an introduction to an understanding of common digestive and liver diseases including pathophysiology, diagnosis and treatment. The course will include inpatient consultation, outpatient, and weekly lecture series.
Course Faculty and Staff

- Markus Agito (Director)
- Matthew Staehnke (Course Staff)
- Tiffany Rhoden (Course Staff)

Meeting Place and Time

TBD.

Course Materials

Appropriate references and handouts "if available" will provided by the faculty and/ or fellows within the Division. The reference textbook to be utilized will be Gastrointestinal Disease, Schlesinger and Fordtran, 9th Edition, 2010.

The divisional website is to learn about the Faculty and what we offer. www.medicine.ufl.edu/gastro

Additional Information

For more information regarding contact information, etc please email Tiffany Rhoden at Tiffany.Rhoden@medicine.ufl.edu. Also please contact Tiffany 2 weeks prior to the rotation starting.

Clinical Hematology

MED E 18 | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites

Fourth Year Medical Student

Course Description

Goal of the course: To understand the approach to patients with hematological problems including red cell disorders, hemostasis and thrombosis, cytopenias, and primary bone marrow disorders. Anticoagulation and periopertive management of hematologic issues will also be an emphasis. The student will be a team member of the Shands-UF Hematology inpatient consult service and see patients with attending physicians in the Hematology outpatient clinics. Activities will include weekly Hematology case conferences and other Hem/Onc teaching conferences.

Course Faculty and Staff

- Marc S Zumberg MD (Director)
- Matthew Staehnke (Course Staff)

Meeting Place and Time

E-mail Dr. zumberg at zumbems@medicine.ufl.edu. The rotation will start at 8:30 am on the first day of your rotation. You may also reach the adult hematology fellow through SPOK the day you begin the rotation.

Course Materials

MEDLINE, web-based resources, clinical guidelines, and additional references including relevant textbook material provided by the faculty. Evidence-based approaches will be emphasized.
Additional Information

We welcome and encourage your participation in this elective. The amount of inpatient vs. outpatient experience can be negotiated based on the specific interests of the students.

Clinical Hematology/Oncology
MED E 6 | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites
Fourth Year Medical Student

Course Description
Students will work with a diverse faculty to learn the basic and applied principles for the care of patients with solid and hematologic malignancies. This is primarily an outpatient clinic rotation in the oncology clinics, however some inpatient time, if desired by the student, may be negotiated.

Course Faculty and Staff
- Jennifer Duff MD (Co-Director)
- Veronica Weekly (Course Staff)
- Karen Daily DO (Director)
- Matthew Staehnke (Course Staff)

Meeting Place and Time
Contact Course Directors by email (karen.daily@medicine.ufl.edu AND jennifer.duff@medicine.ufl.edu) at least 1 week prior for exact meeting place and time.

Most clinics are held in the Medical Plaza/Davis Cancer Pavilion, 2nd Floor.

Course Materials
MEDLINE, HSC Library resources, web-based resources, clinical guidelines, and additional references including relevant material provided by the faculty. Evidence-based approaches will be emphasized.

Additional Information
A weekly schedule will be provided to the student at the start of the rotation. This will outline clinic experiences and conference attendance which will be expected during the rotation.

Clinical Nutrition
COM E 10 | 4th Year Elective | Comec Chapman Education Center | Basic Science

Prerequisites
UF Medical Students

Course Description
COURSE GOALS:
1. Nutritional requirements and metabolism in the normal individual throughout the life span.
2. Effect of participation in different sports on nutritional needs of the healthy individual.
3. Definition of and use of nutrition supplements, nutraceuticals, designer foods, functional foods, and medical foods.
4. Altered nutritional requirements and metabolism during different chronic diseases.
5. Parenteral and eternal nutrition support of critically ill patients.

Course Faculty and Staff

- Peggy Borum PhD (Director)
- Jacqueline A Seekamp (Course Staff)

Meeting Place and Time

The course is taught online. Patient contact can be included if arranged with the instructor.

Course Materials

Access Instructions will be emailed to students the week prior to the course start date. If you have registered and not received the course access instructions, please contact Jacqueline Seekamp at jseekamp@ufl.edu.

Clinical Obstetrics and Gynecology - Jacksonville

OBE 1J | 4th Year Elective | Obstetrics and Gynecology | Clinical Science

Prerequisites

PGY3 OB/GYN rotation

Course Description

This rotation is an opportunity to delve more deeply into obstetrics and gynecology. The student will experience one week on each of the services: gynecologic oncology, maternal-fetal medicine, benign gynecology, and labor & delivery. This busy urban setting offers a breadth of pathology and a true taste of the constant "controlled chaos" of our specialty. Excellent as an "audition rotation" or simply to broaden knowledge of women's health care issues.

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Other Faculty)
- Deanna McCullough MD (Director)
- Dani Brown (Course Staff)
- Kathryn MacKenzie MS (Course Staff)

Meeting Place and Time

Students should report at 0830 to:
Kathryn MacKenzie, GME Administrator
OBGYN Admin Suite, Learning Resource Center, 3rd Floor
653-1 W. 8th Street
Jacksonville, FL 32209
Course Materials

Students are advised to have access to standard OB/GYN textbooks

Clinical Ophthalmology

OPH E 1 | 4th Year Elective | Ophthalmology | Clinical Science

Prerequisites

4th year medical student - Basic understanding of ophthalmology

This course is not open for periods 1 and 2 to non-UF students.

Course Description

Clinical Ophthalmology is generally a 4-week elective during which time the medical student has the opportunity to rotate on a variety of sub-specialty ophthalmic services. Students will work directly with the residents, fellows, and attending physicians. The rotations in which the student can participate include cornea and external disease/general; retina-vitreal; glaucoma; oculo-plastics; pediatrics; and neuro-ophthalmology.

Course Faculty and Staff

- Matthew Gray MD (Director)
- Ashley West (Course Staff)

Meeting Place and Time

The student must initially come to Ashley West (352-273-8777) in the Department of Ophthalmology sometime the week before the rotation begins, or on the beginning Monday. Students are expected to be in clinic on Monday.

Course Materials

There is a hand-out which can be obtained from Ashley West in the Department of Ophthalmology. Students can ask for reading materials, which are abundant, and can be obtained at the Library or online through various websites. A list of course objectives will be provided in the orientation packet on the first day of the rotation.

Additional Information

Students interested in pursuing ophthalmology residency at UF are encouraged to present at a Grand Rounds for the department.

Clinical Pediatric Gastroenterology

PED E 6 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites

Fourth Year Medical Student

Course Description
On-line curriculum available

COURSE GOALS: Learn basic aspects of pediatric gastroenterology/hepatology/nutrition.

Course Faculty and Staff

- Christopher D Jolley MD (Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time

RG-120; 8:00am, Monday-Friday. (Outpatient and Inpatient experience)

Course Materials

File of pediatric gastroenterology/hepatology/nutrition articles; access to Medline.

Clinical Radiology/Jacksonville

RAD E 1J | 4th Year Elective | Radiology | Clinical Science

Course Description

NA

Course Faculty and Staff

- Gregory C Wynn MD (Other Faculty)
- Frank J Genuardi MD, MPH (Other Faculty)
- Jerry Matteo MD (Director)
- Dani Brown (Course Staff)
- Martha English (Course Staff)

Meeting Place and Time

Department of Radiology - 2nd floor Clinical Center; Shands Jacksonville Administrative Wing, Room R-033 - 8:30 AM

Course Materials

Basic Radiology by Michael Y.M. Chen; et al - Handouts pertaining to daily noon conferences and journal club sessions - Radiology teaching files

Clinical Sciences of the Musculoskeletal System

ORTH E 1 | 4th Year Elective | Orthopaedics | Clinical Science

Prerequisites

Senior medical student - Satisfactory completion of core clerkship rotations - Students pursuing a career in Orthopaedics should schedule this elective for no less than 4 weeks.

NOTE - Non-UF students who apply to participate in this rotation should submit the following in addition to their application: copy of transcript; photo attached to application; letter of
recommendation; USMLE Step 1 score (copy of document); and a written statement of why you are interested in participating in an Orthopaedic Surgery elective with the University of Florida College of Medicine.

Course Description

The program will be offered at UF&SHANDS

COURSE GOALS
1. Provide experience and education in the evaluation and management of musculoskeletal disorders in an inpatient, outpatient, and Emergency Room setting.

2. Students will have supervised responsibility in patient care, receive instruction in methods of examination, diagnosis, pre-and postoperative care and surgical techniques as applied to the musculoskeletal system.

3. Students participate in daily clinical conferences.

4. Students will be assigned to one of the Orthopaedic services. There will be a limit to one extern (senior medical student) per service.

If scheduling permits, students may rotate on one or more of the Orthopaedic services during their ortho elective rotation.

Course Faculty and Staff

- Kendra Gordon (Course Staff)
- Richard G Vlasak MD (Director)
- Kasey Barrett Sheffer (Course Staff)

Meeting Place and Time

South Tower, OR Conference Room, 2nd Floor - 7:00 AM Mon-Fri

Course Materials

Greene, W.B.
Essentials of Musculoskeletal Care.

Other reference sources depending on orthopaedic rotation

Clinical Skills Refresher Course

MED E 39 | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites

Completion of Third year medical school

Course Description

This is a two-week course to improve history taking, physical exam skills, clinical reasoning and developing a differential diagnosis and patient communication. In addition, attention will be placed on preparing students for USMLE Step 2 CS including the note writing and counseling skills. Students will undergo a series of CSEs with feedback and development of individualized Learning Plans during the course.
Course Faculty and Staff

- Carolyn Stalvey MD (Director)
- Maria Velazquez MD (Co-Director)
- Diana McCluskey (Course Staff)
- Matthew Staehnke (Course Staff)

Meeting Place and Time

Anaclerio Learning and Assessment Center - Time = TBA

Course Materials

NA

Colorectal Surgery

SUR E 16 | 4th Year Elective | Surgery | Clinical Science

Prerequisites

Successful completion of 3rd year Surgery Clerkship

Course Description

COURSE GOALS: Upon completion of this course, the learner will be able to: MEDICAL KNOWLEDGE 1. Evaluate and discuss common presenting signs and symptoms frequently seen by the practicing Colon and Rectal surgeon. 2. Complete a general surgery History and Physical. 3. Briefly describe the operative management of basic colon and rectal surgical problems, including, but not limited to: colon and rectal cancer, benign colon problems including colonic inertia, diverticulitis, inflammatory bowel disease, anorectal and pelvic floor disorder, and application of laparoscopy. 4. Recognition of recommended cancer screening and surveillance programs for colon and rectal patients. PATIENT CARE 1. Demonstrate proficiency in common intern-level duties including nasogastric tube insertion, excision of thrombosed hemorrhoids, incision and drainage of perianal abscesses, and basic suturing. 2. Recognize the role of existing and emerging technology and research in the field and practice of Colon and Rectal surgery. 3. Reliably use the Internet and electronic tools as a medical resource. PROFESSIONALISM 1. Expand his/her exposure to, and appreciation for, a career in colon and rectal surgery and academic surgery. 2. Become more keenly aware of the opportunities available to residents in general surgery. LEARNING ACTIVITIES: The students who choose this rotation as an elective will participate as a member of a very busy and academic Colon and Rectal Service in the Department of Surgery at the University of Florida. He or she will become aware of the daily responsibilities of the general surgery intern, including education of 3rd year medical students and perioperative care of the surgical patient. Students will be expected to attend all General Surgery related conferences including Morbidity and Mortality Conference, Surgical Grand Rounds, Basic Science Conference and Mortality Conference, and Journal Club. Furthermore, the student will be assisting in the Operating Rooms and seeing patients in clinic. Although the curriculum is flexible, it is expected that the student will prepare for cases and conferences as any other member of the team, and will be held accountable for these. At the conclusion of the 4-week rotation, the student will present a 15-minute slide presentation on some aspect of Colon and Rectal Surgery in the didactic format to the residents. He or she should choose
a faculty mentor who will assist in the assimilation and delivery of this lecture. This lecture should be evidence-based, and articles from accredited journals should be referenced.

Course Faculty and Staff

- Sanda Tan MD, PhD (Director)
- Ashley Beavers (Course Staff)
- Adela Van Antwerp (Course Staff)

Meeting Place and Time

Contact the Surgery Education Office at 265-0916 one week before the start of the rotation for reporting instructions.

Course Materials

Selected readings from Greenfield’s Surgery: Scientific Principles and Practice, Fifth Edition; Colon and Rectal Surgery Text book, Second Edition - Additional readings from current journals will be assigned during the rotation orientation on the first day.

Common and Advanced Procedures

CM E 41 | 4th Year Elective | Community Health and Family Medicine | Clinical Science

Prerequisites

4th-year medical student.

NOTE: There is a $50 Material and Supply fee applied, per student, for participation beginning Spring 2014.

Course Description

The development of clinical procedural skills is an important part of medical education. However, proficiency in any particular procedure is dependent on incidental exposure, which is highly variable month to month. This elective will combine simulators with clinical experience to increase exposure to and proficiency in both common and advanced procedures. The skills you learn will enhance your preparation for residency training and beyond. The following procedures will be covered: central line placement, lumbar puncture, knee arthrocentesis, shoulder injections, splinting and casting, peripheral IV placement, airway management, suturing, cryotherapy, punch biopsy, I&D of abscesses, ingrown toenail removal, stress testing, pulmonary function testing, tympanometry, arterial puncture, foley catheter insertion, chest tube insertion and the FAST exam. You will also have the opportunity to choose from a list of procedures to observe, to gain a better understanding of what the patient experiences before you will order these tests on your patients as residents.

Course Faculty and Staff

- Jocelyn Gravlee MD (Director)
- Bernie Amaro (Course Staff)

Meeting Place and Time
We will meet at 1:00 pm on the first Monday of the course in the Harrell Medical Education Building. Procedural activities will take place M–F with the option of additional procedural opportunities on the weekend and evenings, if desired.

**Course Materials**

Reading materials, procedure videos, the course syllabus and course schedule are all located on the Canvas course website (elearning.ufl.edu).

**Additional Information**

NOTE: There is a $50 Material and Supply fee applied, per student, for participation beginning Spring 2014.

**Community and Societal Pediatrics - Jacksonville**

PED E 31J | 4th Year Elective | Pediatrics | Clinical Science

**Prerequisites**

4th Year Elective

**Course Description**

This rotation allows the medical student to become familiar with key community and societal pediatric concepts including child rights, social justice and health equity, the assets and challenges faced by at-risk children and youth living in Jacksonville, the social and environmental determinants that impact their quality of life, the adverse childhood experiences that affect their health trajectory over their life course, community resources, and the role of the pediatrician in advocating for the well-being of children at the clinical, systems, and public policy levels. The medical student will work with a wide variety of special populations, including the medically underserved, the homeless, children in foster care, youth in the juvenile justice system, adolescents with special health care needs transitioning to the adult medical system, children with significant behavioral and mental health problems, and LGBTQIA+ children and youth.

**Course Faculty and Staff**

- **Jeffrey Goldhagen MD** (Director)
- **Dani Brown** (Course Staff)
- **Jennifer Hipp DO** (Course Staff)
- **Chelsea Rountree** (Course Staff)
- **Rita Nathawad MD** (Director)
- **Mikah Owen MD** (Director)
- **Elisa Zenni MD** (Other Faculty)
- **Frank J Genuardi MD, MPH** (Other Faculty)

**Meeting Place and Time**

Pediatric Education office, 841 Prudential Drive, Suite 1130 - 11th floor, Aetna Building, Jacksonville 8 a.m.

**Course Materials**
Readings:
1. AAP Policy Statement- The Pediatrician’s Role in Community Pediatrics
   http://pediatrics.aappublications.org/content/pediatrics/115/4/1092.full.pdf
2. AAP Policy Statement—Health Equity and Children’s Rights

Creative Problem Solving Through Design Thinking
PED E 30 | 4th Year Elective | Pediatrics | Clinical Science

Course Description
Using the problem-solving processes of discovery, ideation, prototyping, and experimentation, medical students will have the opportunity to develop skills as empathetic listeners, visual thinkers, and storytellers through a hybrid of team building and collaborative projects. Because design thinking employs design-based techniques and empathy to gain insight and yield innovative and creative solutions to complex challenges, students will have the opportunities to address “wicked problems” in medicine and in health communities. Throughout the course, medical students will be exposed to highly interactive and participatory learning.

Course Faculty and Staff
- Alison Reynolds (Director)

Meeting Place and Time
Hours/week: 20 hours per week for 2 weeks

Additional Information
Learning Objectives:
1. Provide medical students with the opportunity to develop deep empathy by designing for and with others.
2. Provide medical students with the ability to reframe problems in unexpected ways.
3. Provide medical students with the opportunity to brainstorm to generate radical ideas.
4. Provide medical students with the skills to prototype and iterate based on feedback.
5. Provide medical students with the ability to communicate ideas in compelling ways.

Responsibilities: The student is expected to participate in all elements of the design project. The course director(s) will assign 2-3 page reflections after each major element of the project. Concurrently, the student will provide peer feedback on team members. Finally, teams will present their team final project to stakeholders.

Products Expected: The student is expected to participate in all elements of the design project. The student will collaborate with team members and will compose three 2-3 page reflection papers. At the end of the course, the medical student will present a project proposal to a group of stakeholders.
Supervision/Evaluation: The preceptor will monitor progress through the course based on timely completion of each of the design assignments and will assess reflection papers and peer reports on team collaboration. The medical student will be responsible for discussing team collaboration with the course director.

Critical Care Externship - Jacksonville
MED E 4J | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites
Must be in 4th year of training and have completed core 3rd year rotations. Note that in-house call is expected on every 4th night.

Course Description
NA

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Other Faculty)
- Lorraine Sims (Course Staff)
- Lisa M. Jones MD (Director)
- Sonya Newsome (Course Staff)
- Dani Brown (Course Staff)

Meeting Place and Time
0600 on first day of rotation in Medical ICU; 7th floor; Shands Jacksonville. Report to Senior Resident on call from the previous night.

Course Materials
Orientation Disc; Recommended; Washington Manual; Critical Care Handbook (either Drs. Marik or Marino)

Cytopathology: Diagnosis and Screening Applications in Human Disease
PATH E 13 | 4th Year Elective | Pathology | Clinical Science

Prerequisites
4th year Medical Student

Course Description
This elective will be ideal for a medical student interested a career that involves cancer diagnosis and treatment. These specialties include, but are not limited to, diagnostic radiology, diagnostic pathology, surgical oncology, medical oncology and radiation oncology. This elective will provide an introductory experience and exposure to Cytopathology techniques used for the diagnosis of neoplastic, inflammatory and infectious diseases. This experience will include Gynecologic Cytopathology and Non-Gynecologic Cytopathology, including fine needle aspiration (FNA).
The material will include:
• Neck tumors, thyroid nodules, lung tumors, pancreas tumors, lymph nodes, and other sites FNA specimens.
• Bronchial brushes, bile duct brushes, bladder washings and body cavity fluids.
• Cervical cytology sampling (Pap test)

Correlation with clinical history, imaging studies, and current surgical pathology material will be performed. The experience will also include use and interpretation of immunohistochemical stains, Human papillomavirus molecular testing, and other ancillary methods that can be applied to cytologic cellular samples.

Daily morning teaching conferences directed to Anatomic and Clinical Pathology (AP/CP) residents education are available at 7:30 AM; the medical student is welcome to attend (Room N1-18).

Course Faculty and Staff

• Linda Harlan (Course Staff)
• Marino Leon MD (Director)
• Peter Drew (Co-Director)

Meeting Place and Time

Anatomic Pathology, Cytopathology Sign-Out Room (N1-12G), Shands at UF 1st floor, entrance at the Atrium.
Please arrive at 8:30 a.m. on the first day.
Professional dress preferred with UF badge.

Teaching conferences at 7:30AM in room N1-18.

Course Materials

Materials available for study include:
• Cibas ES, Ducatman BS. Cytology Diagnosis Principles and Clinical Correlates. 2014. Elsevier. 4th Ed.
• DeMay RM. Practical Principles of Cytopathology Revised. 2007. American Society for Clinical Pathology. 1st Ed.

Active clinical cases will be reviewed one on one with a Cytopathologist.
Glass slide teaching materials, major current reference medical texts, cytopathology journals, Medline and other Materials s Lectures, conferences and direct faculty instruction.

Additional Information

This rotation includes active participation with pathology faculty in the Cytopathology and Surgical Pathology sign out areas, as well as patient contact within the FNA clinics.
Please wear your UF badge at all times, and white coat for the FNA clinic or when observing FNA procedures.

**Dermatology - Clinical Independent Study**

DERM CIS | 4th Year Elective | Dermatology | Clinical Science

**Prerequisites**

4th year UF COM student

**Course Description**

This course should be selected when scheduling a clinical independent study. Please note that a completed Clinical Independent Study Application is required to be submitted at least 4 weeks prior to the rotation in which this course is scheduled.

**Course Faculty and Staff**

- Matthew Ryan MD, PhD (Director)
- Beth Magyari (Course Staff)
- Matthew Staehnke (Course Staff)

**Dermatology - Externship**

DERM EXT | 4th Year Elective | Dermatology | Clinical Science

**Prerequisites**

4th year UF COM student

**Course Description**

This course should be selected when scheduling an away rotation in Dermatology.

**Course Faculty and Staff**

- Matthew Ryan MD, PhD (Director)
- Beth Magyari (Course Staff)

**Dermatology - Independent Study**

DERM IS | 4th Year Elective | Dermatology | Basic Science

**Prerequisites**

4th year UF COM student

**Course Description**

This course should be selected when scheduling a research independent study in Dermatology. Please note that a completed Research Independent Study Application must be submitted at least 4 weeks prior to the start of the rotation in which this course is scheduled.
Course Faculty and Staff

- Matthew Ryan MD, PhD (Co-Director)
- Beth Magyari (Course Staff)
- Matthew Staehnke (Course Staff)

Discovery Pathways and PRIME

COM E 8 | 4th Year Elective | Comec Chapman Education Center | Clinical Science

Prerequisites

Students must complete the 11 session series during Phase 1 of the curriculum.

Course Description

Promoting Resilience in Medicine (PRIME) is a longitudinal experience offered through the four years of medical student education aimed at introducing students to mind-body practices to enhance self-awareness and self-care. By providing students with skills to enhance self-awareness, self-care, mindfulness, empathy, compassion, non-violent communication, and giving them an opportunity to practice these throughout their medical student training, it is anticipated that our students will become more resilient, caring physicians.

Course Faculty and Staff

- Irene M. Estores MD (Director)
- Shawn Murphy (Course Staff)
- Brian Cooke MD (Other Faculty)
- Melanie Hagen MD (Other Faculty)
- Maureen A Novak MD (Other Faculty)

Meeting Place and Time

Office hours: Tuesday and Friday morning. Please email (or call) to schedule an appointment. All emails should be sent to: Irene.estores@medicine.ufl.edu

Elective in Clinical Anesthesia - Jacksonville

ANS E 1J | 4th Year Elective | Anesthesiology | Clinical Science

Prerequisites

4th year medical student

Course Description

Students will be involved in perioperative care while on the Anesthesiology service. They will serve as acting interns (externs) under the supervision of residents and attending physicians from the Department of Anesthesiology. Objectives of the externship are to learn to perform a thorough preoperative evaluation, formulate options for intra-operative care, perform basic procedures such as airway management techniques and obtaining vascular access, and implement a therapeutic regimen for the post-operative care.
Day-to-day scheduling is flexible including possible rotation through several subspecialties or focus on a single subspecialty (i.e. cardiothoracic, pediatrics, obstetrics, orthopedics, regional, etc). Please let us know in advance if you have any preferences (email requests to Claudia Chavarro claudia.chavarro@jax.ufl.edu ). There are a few lectures and/or simulation sessions throughout the course but clinical experience and contact with faculty is emphasized

Course Faculty and Staff

- Adrienne Warrick MD (Director)
- Claudia Chavarro (Course Staff)
- Dani Brown (Course Staff)

Meeting Place and Time

Main OR pre-op holding (2nd floor Clinical Center) 6:45 am
Alumni Auditorium- (2nd floor Clinical Center) Grand Rounds -Wed 7 am
Anesthesia Conference Room- Resident Lectures- Wednesday 8 am - 2 pm. Visiting professor journal clubs - TBA (wednesday AMs)

Course Materials

Clinical Anesthesia Procedures of the Massachusetts General Hospital, 8th edition Handbook - copies available from UF COM Jacksonville Department of Anesthesia

Additional Information

This course is intended for those students with an invested interest in the field of Anesthesiology and Perioperative medicine. It is considered a "sub-internship" rotation in Anesthesiology.

Electroconvulsive Therapy at UF Health Psychiatric Hospital

PSY E 4 | 4th Year Elective | Psychiatry | Clinical Science

Prerequisites

Completion of third year clerkship

Course Description

This elective is designed for the motivated student to develop mastery in the psychiatric technique of ECT. Students will be knowledgeable of the latest literature and advances in ECT, be able to identify patients who are good ECT candidates, evaluate and work up ECT candidates, be knowledgeable of ECT protocols, commonly used ECT anesthetics, and learn to operate both MECTA and Thymatron ECT devices, and decide on device settings and dosing for ECT. Students will learn to start I.V.s if desired, perform ECT procedures under attending supervision, learn to read an EEG from an ECT induced seizure, make decisions about PACU post-ECT agitation should it arise, become familiar with airway management, and by the end of the rotation be comfortable with the overall technique involved in ECT. Students will also be expected to train their 3rd year med student peers who may be rotating through ECT about the basic physics of ECT and its effects on human physiology, and theories of ECT mechanisms of action. Other focus will be on rapport building, team building, and use of esprit de corps to foster an efficient and enthusiastic service line.

Course Faculty and Staff
Meeting Place and Time
ECT Suite; UF Health Psychiatric Hospital (VISTA), 8am

Additional Information
For more information please contact Terry Lemesh tjlemesh@ufl.edu or 352-594-1870

Emergency Medicine - Clinical Independent Study
EMD CIS | 4th Year Elective | Emergency Medicine | Clinical Science

Prerequisites
UF 4th year medical student

Course Description
TBA

Course Faculty and Staff
• Beth Magyari (Course Staff)
• Matthew Ryan MD, PhD (Director)

Meeting Place and Time
TBA

Course Materials
This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Emergency Medicine at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student.

Additional Information
TBA

Emergency Medicine - Elective Shands
EMD E 1 | 4th Year Elective | Emergency Medicine | Clinical Science

Prerequisites
Satisfactory completion of third year curriculum.
Non-UF students applying for this rotation must submit a current CV and letter of recommendation along with the externship application.

**Course Description**

**COURSE GOALS:** This course will provide:
1. An introduction to acute care medicine where the student will be expected to function as a member of the physician team and actively participate in diagnosis and treatment of life-threatening illnesses. Students will be active participants in cardiopulmonary and trauma resuscitations.
2. Direct one-on-one supervision and teaching with an Emergency Medicine Attending and Senior Emergency Medicine Resident.
3. Experience in diagnosis and treatment of common ailments (i.e., wound management, treatment of ankle sprains, etc.) not routinely seen during inpatient rotations.
4. Experience in performing procedures (e.g. incision and drainage, lumbar puncture, suturing wounds, placing IVs, ABG sampling, central lines, nerve blocks, etc)
5. Ability to apply splints, and manage and dress wounds appropriately.
6. Opportunities to refine ECG and X-ray interpretation skills.
7. An understanding of how emergency room operates and how to effectively utilize its resources.
8. Study of separate curriculum from that of Required Clerkship.

**Course Faculty and Staff**

- **Kassandra Moench** (Course Staff)
- **Matthew Ryan MD, PhD** (Director)
- **Amy Smith** (Course Staff)
- **Amber Cook** (Course Staff)

**Meeting Place and Time**

Orientation: First Monday of the rotation, Gainesville Time and location TBA, the Emergency Medicine conference room. Students will be contacted via email.

**Course Materials**


**Additional Information**

Rotation Shift locations:
- Shands - 13;
- EMS Ride Along - 1;

**Emergency Medicine Externship**

**EMD EXT | 4th Year Elective | Emergency Medicine | Clinical Science**

**Prerequisites**

UF 4th year medical student

**Course Description**

This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the department of Emergency Medicine. Students should
complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

Emergency Medicine Independent Study

EMD IS | 4th Year Elective | Emergency Medicine | Basic / Clinical Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Emergency Medicine at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

Emergency Medicine Ultrasonography

EMD E 4 | 4th Year Elective | Emergency Medicine | Clinical Science

Prerequisites
4th year medical student - Must be planning to match in emergency medicine

Course Description
- The mission of this rotation is to train future emergency physicians in the basics of emergency limited ultrasonography and to help them become proficient emergency sonographers who will use and incorporate their knowledge to positively enhance patient care. We will focus on bedside echo, aorta, gallbladder, EFAST, thoracic, renal, pelvic, central and peripheral venous access and soft tissue. Other studies include assessment of volume status, foreign body location, musculoskeletal, nerve blocks, ocular, dvt, etc.

Course Faculty and Staff
- **Kassandra Moench** (Course Staff)
- **L. Connor Nickels MD RDMS** (Co-Director)
- **Amy Smith** (Course Staff)
- **Amber Cook** (Course Staff)

Meeting Place and Time
Emergency Room. Please email Amber Cook (ambercook@ufl.edu) one week prior to first day. Amber will meet with you the first day of your rotation to go over the schedule and guidelines of the Ultrasound Rotation.

Course Materials

Additional Information
Please download the textbook from the web to read.

Equipment:
2 Sonosite Xportes with 2 probes each
3 Sonosite Turbos
Multiple Phantoms available for teaching including pelvic, Internal jugular vascular access, other vascular access (peripheral, branched, pediatric) and foreign body models

Minimum of 100 scans for 4 wk rotation

Student required to save stills/video clips of all scans not performed live with Dr. Nickels, Dr. De Portu and/or Ultrasound Fellow for video review onto his/her own memory stick or external drive=

Must have a "case of the month" in which he/she researches the current literature regarding this subject and composes a short ppt presentation reviewing the case

Must scan on his/her own every week day that other assignments not made

Must complete scanning shifts with Dr. Nickels, Dr. De Portu and/or Ultrasound fellow as assigned

***Important: If you are scanning alone or with other students/faculty/residents besides Dr. Nickels or
Dr. De Portu, you are ONLY ALLOWED to scan patients who are getting a CONFIRMATORY test DURING THEIR ED STAY which will include the area you are scanning. (for example, if the patient is getting an abdomen and pelvis ct, then you can ultrasound gallbladder, aorta, renal, pelvic, appendix, any fb/abscess/cellulites within this area only. However, if the patient is getting a gallbladder scan from radiology, then you may only scan their gallbladder.)

Family Medicine Inpatient Elective
CM E 1 | 4th Year Elective | Community Health and Family Medicine | Clinical Science

Prerequisites
Fourth Year Medical Student - UF medical students, must have completed a senior student Sub-I prior to participating in this elective.

Student must have prior approval for the period in which they would like to rotate through this elective. Please contact Tina Engstrom, 265-9544, Box 100383-Family Medicine at Main for approval.

Course Description
COURSE PREREQUISITES: Fourth Year Medical Student
COURSE GOALS: The students will serve as acting interns under supervision of a supervising resident and attending physician from the Department of Community Health and Family Medicine. In the rotation, the externs will develop assessment and management skills needed for the care of general medical problems through bedside teaching, didactic lectures and academic conferences.

Course Faculty and Staff

- Kimberly K Zinkel (Course Staff)
- Tina Engstrom (Course Staff)
- David B Feller MD (Director)

Meeting Place and Time

Prior to beginning the rotation, please contact Tina Engstrom, 265-9544, Box 100383-Family Medicine at Main, to get the time and location as well as the name of the Senior Resident when beginning rotation.

Course Materials
No special equipment.

Additional Information
Student must have prior approval for the period in which they would like to rotate through this elective. Please contact Tina Engstrom, 265-9544, Box 100383-Family Medicine at Main for approval.

Financial, Business, and Health Systems Aspects of Medicine
CM E 29 | 4th Year Elective | Community Health and Family Medicine | Basic Science
Prerequisites

3rd or 4th-year medical student.

There must be a minimum of 5 students enrolled each period in order for the course to be offered during that period.

Course Description

COURSE REQUIREMENTS:

Advance preparation, attendance, and active participation either on Canvas discussion boards or in seminar-style classroom sessions.

Course Faculty and Staff

- William L Allen JD (Co-Director)
- Ray E Moseley PhD (Co-Director)
- Bernie Amaro (Course Staff)

Meeting Place and Time

TBA

Course Materials

Various articles, excerpted readings, videos, and websites.

Fixing Healthcare Delivery

MED E 35 | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites

UF COM 3rd or 4th year student. Should have had at least one clinical elective before taking the course.

Course Description

We have all been frustrated by inefficiencies or errors in the healthcare system. In addition to making our jobs harder, these errors are the 3rd leading cause of death in the US (200-400 million deaths per year). This course will help you develop a framework to understand healthcare delivery as a system, giving you the tools to improve the efficiency, quality and safety of patient care during your residency training and beyond. This two-week course consists of 8 short online modules. To help solidify the concepts, we will work together to develop a theoretical quality and safety project you could implement during your residency.

Course Faculty and Staff

- Frederick S Southwick MD (Director)
- Christopher Giordano MD (Other Faculty)
- Matthew Staehnke (Course Staff)

Meeting Place and Time
TBA - email Dr. Southwick southf@ufl.edu
Can be taken strictly as online sessions with periodic virtual conferences, or online sessions
combined with 1-hour in-person discussions of each online teaching module (flipped classroom
format).

Course Materials
Book - Critically Ill: A 5-point plan to cure health care delivery by Frederick Southwick, M.D with
Donna Treloar R.N., PhD Southwick Press (342 pages). A personal complimentary copy will be
provided.
Canvas online instructional videos - 8 modules consisting of 3-4 10-minute videos.

Additional Information
This course is a must for students going into Internal Medicine, Pediatrics, Surgery, Obstetrics and
Gynecology, and Anesthesia.

Flexible Psychiatry
PSY E 2 | 4th Year Elective | Psychiatry | Clinical Science

Prerequisites
Satisfactory completion of third year clerkship in Psychiatry. Note, students from outside UF COM
must get prior approval from Course Director.

Course Description
Senior medical students wishing to receive additional training in a setting that does not meet the
parameters described under other 4th year Psychiatry Elective offerings may chose this course.
Examples include experience on the inpatient adult psychiatry services at Vista (including the Florida
Recovery Center), the VA medical center inpatient and consultation services, the outpatient facility in
Vero Beach, Jacksonville community psychiatry services, and others. It is preferable for students to
complete all 4 weeks in the same location.

Course Faculty and Staff
- Jacqueline Hobbs MD, PhD (Director)
- Terry Lemesh (Course Staff)
- Britany Griffin (Course Staff)

Meeting Place and Time
To be arranged depending on the specific site/experience chosen. Contact Terry Lemesh
tjlemesh@ufl.edu / 352-594-1870. Students must make arrangements with Dr. Jacqueline Hobbs
about their specific experience/rotation.

Course Materials
Vary depending on the experience chosen.

Additional Information
Please note, those wishing to complete any portion of this elective with a Child/Adolescent Psychiatry experience and/or Consult/Emergency Psychiatry rotation should contact Dr. Mariam Rahmani and register for the Child and Adolescent Psychiatry Elective instead.

Forensic Psychiatry

PSY E 6 | 4th Year Elective | Psychiatry | Clinical Science

Course Description

Forensic psychiatry is a medical subspecialty that includes research and clinical practice in the many areas in which psychiatry is applied to legal issues. While some forensic psychiatrists may specialize exclusively in legal issues, almost all physicians may, at some point, have to work within one of the many areas in which the medical system and legal system overlap. Students will be exposed to various legal issues during their rotation. These may include:
- Criminal responsibility
- Competence, civil and criminal
- Child custody and visitation
- Psychic injury
- Mental disability
- Malpractice

The student will have the opportunity to work closely with a team of physicians as they perform evaluations and prepare a case for trial. Depending on court scheduling, students may have the opportunity to accompany the physicians as they give expert testimony in actual depositions and trials.

COURSE GOALS:
1. Distinguish basic principles of interaction between psychiatry and the law.
2. Acknowledge how psychopathology affects one's legal status in a number of issues.
3. Attend civil and criminal depositions and trials with Dr. Silberberg and other forensic faculty.

Course Faculty and Staff

- Brian Cooke MD (Co-Director)
- Susan Nobles (Course Staff)
- Terry Lemesh (Course Staff)
- Gary Reisfield MD (Other Faculty)
- Jacqueline Hobbs MD, PhD (Co-Director)

Meeting Place and Time

9:00 a.m. - 5:00 p.m. Monday through Friday. Students will attend evaluations, seminars and some correctional rotations with Forensic Residents. Please report to Room 3112 at the UF Springhill Medical Office Building; 4037 NW 86th Terrace the first day.

Course Materials

Forensic Psychiatry residency seminar materials, seminars, patients at Lowell Correctional Institution and Reception Medical Center.

Additional Information
For more information please contact Susan Nobles at 352-265-3284 or snobles@ufl.edu
Clearance for entering correctional facilities will need to be obtained prior to your rotation, please contact Susan Nobles at least 2 weeks prior to your rotation so she can coordinate.

General Surgery - Jacksonville
SUR E 1J | 4th Year Elective | Surgery | Clinical Science

Prerequisites
Completion of third year core rotation in General Surgery

Course Description
The student will function as a first year resident under the supervision of the attending and senior resident staff to see and follow assigned patients, participate in consultations and bedside procedures and wound care, and be in the OR for assistance at a variety of procedures. The student will be exposed to a breadth of surgical oncology, biliary disease, hernia/abdominal wall, and breast surgery as well as open, laparoscopic, and robotic surgical approaches.

Course Faculty and Staff
- Frank J Genuardi MD, MPH (Other Faculty)
- Laila Samiian MD (Other Faculty)
- Dani Brown (Course Staff)
- Ziad Awad MD (Other Faculty)
- Jessica Pittman (Course Staff)
- Sarah Fernandez MD (Director)
- D. Scott Lind MD (Co-Director)
- Shane Hester DO (Other Faculty)
- Brian Dalton MD (Other Faculty)
- Eric Pinnar MD (Other Faculty)

Meeting Place and Time
8:30 AM: Student Coordinator's (Jessica Pittman and Eugenia Smith) office; 3rd floor Faculty Clinic

Course Materials
None

General Surgery and Organ Transplantation (Surgery IV)
SUR E 3 | 4th Year Elective | Surgery | Clinical Science

Prerequisites
Successful completion of M3 Surgical Clerkship.

Course Description
COURSE GOALS: Introduction to scientific principles and clinical measures of dealing with general surgical problems with special focus on surgical diseases of the liver and bile ducts. The service
focuses mainly on surgery of the liver and neoplasms of the pancreas and on liver, kidney and pancreas transplantation. It is our intent that the students occupy a position of responsibility commensurate with their ability. They will participate in patient evaluations in the clinics, patient care on the surgical wards, in the operating room, and post-operative care on the wards and in the clinic. They will also be expected to come to conferences during the week.

Course Faculty and Staff

- Kenneth Andreoni MD (Other Faculty)
- Ashley Beavers (Course Staff)
- Adela Van Antwerp (Course Staff)

Meeting Place and Time

Contact the Surgery Education Office at 265-0916 one week before the start of the rotation for reporting instructions.

Course Materials

Textbooks and selective journal publications.

Additional Information

There is also an opportunity to participate in clinical research that is ongoing in the division.

Global Health - Lac Azuei Haiti Elective

EMD E 5J | 4th Year Elective | Emergency Medicine | Clinical Science

Prerequisites

UF COM 4th year student - Completion of required rotations in the third year of medical school.

Course Description

The purpose of the Global Health Lac Azuei Haiti elective is to give senior medical students opportunities to: a) diagnose and treat patients in an international, low-resource setting; b) learn about the health care and public health systems in Haiti; c) learn about Neglected Tropical Diseases and global efforts to address them; d) learn about the GAVI initiative and participate in efforts to improve access to childhood vaccinations; e) research and prepare a lecture on a global health topic of current interest; f) participate in a clinical research or quality improvement project in Haiti. The student will work with UF Global Health and Emergency Medicine physicians, in partnership with Caribbean Harvest Foundation, to provide health care in remote fishing villages in Haiti. The elective can be constructed as a 2 to 4 week elective.

Course Faculty and Staff

- Harvey Rohlwing MD (Director)
- Kassandra Moench (Course Staff)
- Shawn Murphy (Course Staff)
- Marie-Cermelle Elie MD (Other Faculty)
- Carolyn Holland (Other Faculty)
Meeting Place and Time

The student desiring this elective must meet with either Dr. Rohlwing, Dr. Elie, or Dr. Holland to review the course requirements, goals and learning objectives, travel arrangements, housing, in-country supervision/mentoring, and pre-travel preparation.

Course Materials

Web-based information on the GAVI Alliance, “The London Declaration,” Neglected Tropical Diseases (NTD’s), Zika and other emerging pathogens, and Caribbean Harvest Foundation.

Additional Information

Students must be pre-approved for this rotation before they receive credit. Following approval by Dr. Rohlwing, students that want to schedule this course will be provided with a “Global Health Elective Application” that must be reviewed and approved by Dr. DeVos at least 1 month prior to the start of the rotation. Students must obtain CISI travel insurance through UF International Center prior to final approval for travel. All travel is subject to UFIC policy.

Global Health Elective

EMD E 2J | 4th Year Elective | Emergency Medicine | Clinical Science

Prerequisites

UF COM 4th year student - Completion of required rotations in the third year of medical school. Pre-approval form required.

Course Description

The purpose of the Global Health Experience elective is to give senior medical students opportunities to: a) diagnose and treat patients in an overseas, low-resource setting; b) learn about the health care and public health systems overseas settings and/or c) to participate in a service-learning or applied research project in a low resource setting or related to global health. Prior to travel the student will 1) develop a learning plan with a UF faculty mentor and a mentor from the designated site. The elective can be constructed as a 2, 4, 8 or 12 week elective. The student can select from a number of existing sites that have exchange agreements with the UF College of Medicine in the Dominican Republic, Ecuador, Peru, China and Hong Kong and other locations. Please go to www.globalhealth.med.ufl.edu/global-health-electives/ for a more detailed description of some of the locations, potential clinical or public health-oriented experiences offered, the local faculty/mentors, in-country arrangements, etc.

Alternatively, a student can propose to go to a different site/country from those listed above. In order to gain approval for this option the medical student must do the following: 1) identify an appropriate mentor at UF or an in-country mentor that is working at that site; 2) develop specific learning objectives; and 3) identify and safe and secure housing; 4) present the opportunity to Dr. DeVos. Depending on the specific location selected there may be a language proficiency requirement.

Course Faculty and Staff

- Shawn Murphy (Course Staff)
- Elizabeth DeVos MD (Director)

Meeting Place and Time
The student signing up for this elective will need to meet with either Dr. DeVos to review the goals and learning objectives, travel arrangements, housing, in-country supervision/mentoring and pre-travel preparation.

**Course Materials**

NA

**Additional Information**

Students must be pre-approved for this rotation before they can travel. Students that schedule this course, will be provided with a Global Health Elective Application, that must be reviewed and approved by Dr. DeVos at least 1 month prior to the start of the rotation. Students must obtain CISI travel insurance through UF International Center prior to final approval for travel. All travel is subject to UFIC policy.

**Global Health Haiti Elective**

EMD E 4J | 4th Year Elective | Emergency Medicine | Clinical Science

**Prerequisites**

UF COM 4th year student - Completion of required rotations in the third year of medical school.

**Course Description**

The purpose of the Global Health Haiti elective is to give senior medical students opportunities to: a) diagnose and treat patients in an overseas, low-resource setting; b) learn about the health care and public health systems overseas settings and c) to participate in an applied research or quality improvement project in Haiti. The student will work with UF Global Health/Hospitalists who are Family Medicine or Internal Medicine board certified/eligible hospitalists. The elective can be constructed as a 4 to 8 week elective.

**Course Faculty and Staff**

- Shawn Murphy (Course Staff)
- Vincent DeGennaro MD (Director)

**Meeting Place and Time**

The student signing up for this elective will need to meet with either Dr. DeGennaro or DeVos to review the goals and learning objectives, travel arrangements, housing, in-country supervision/mentoring and pre-travel preparation.

**Course Materials**

Please complete the "Global Health Elective form" found on our webpage:
http://globalhealth.med.ufl.edu/trips/forms/

**Additional Information**

Students must be pre-approved for this rotation before they receive credit. Students that schedule this course, will be provided with a Global Health Elective Application, that must be reviewed and approved by Dr. DeVos at least 1 month prior to the start of the rotation. Students must obtain CISI...
Health and the Environment
COM E 1 | 4th Year Elective | Comec Chapman Education Center | Basic Science

Prerequisites
None

Course Description
This course will examine the variety of ways in which the environment affects health—ranging from pollutants, to public health and sanitation, to adaptation to local diet and disease regime, to the idea of a healing environment. The course will explore these ideas via a field trip, class meetings, discussion, readings, movies, lecture and some writing.

Course Faculty and Staff
- Nina Stoyan-Rosenzweig (Director)

Meeting Place and Time
TBA

Course Materials
Assigned readings will be posted on the website and will depend on student interest.

Health Outcomes and Policy
COM E 9 | 4th Year Elective | Comec Chapman Education Center | Clinical Science

Course Description
The HOP course (MDT 7090) is designed to help students answer the following crucial questions:

- What works?
- For which patients or populations?
- Under what circumstances?

Training in health outcomes and policy focuses on how to evaluate and inform health care delivery systems, community-level interventions, and health policy. Nationally, the National Institutes of Health and other federal and state agencies focus on the development of evidenced-based programs and policies to promote health, improve health care delivery, and enhance health outcomes.

Students who enroll in this elective will develop additional knowledge and skills about: translating research into practice and policy, improving the quality and efficiency of health programs, and achieving more equitable and appropriate delivery of health programs and clinical care, particularly for underserved and vulnerable populations.

Course Faculty and Staff
- Shawn Murphy (Course Staff)
Meeting Place and Time

Attendance:
Students will work for 2-weeks (or 4-weeks) with their faculty mentor on their selected project. We will meet 8 times during the Summer MSRP.
We will meet 5-6 times in the Spring and Fall.

Hematology Teaching Elective
MED E 43 | 4th Year Elective | Internal Medicine | Basic Science

Prerequisites
Successful completion of the basic science curriculum.

NOTE: Completion of the Becoming an Effective Resident elective (listed under Pathology) - BERT is required to receive credit as a TA.

Course Description
The purpose of this 2nd year course is to review pathologic manifestations of disease that affect specific organ systems and the laboratory alterations useful in diagnosis and following the course of disease. Students will participate in the second year Hematology course as teaching assistants supervised by the Course Director or pathology faculty responsible for teaching the pathology of a particular organ system. Students will instruct/assist in laboratories and discussion groups; attend lectures and may participate in surgical or clinical pathology practice as appropriate for the topics being covered in the course; students will be expected to participate in improving teaching materials.

Course Faculty and Staff

- Marc S Zumberg MD (Director)
- Matthew Staehnke (Course Staff)

Meeting Place and Time
Students will attend all of the scheduled laboratories and lectures while they are on this rotation. Other meetings will be scheduled as needed.
Email Jackie Seekamp for details or view the schedule in CANVASS.

Course Materials

Additional Information
One way to learn is to teach. If you can teach a topic, you likely will need to master that topic through scholarship, reflection and integration. Take the challenge!

History of Medicine
CM E 23 | 4th Year Elective | Community Health and Family Medicine | Basic Science
Prerequisites

3rd or 4th-year medical student.

There must be a minimum of 5 students enrolled each period in order for the course to be offered during that period.

Course Description

COURSE GOALS:

This course will provide:

1. An introduction to the general history of American medicine.

2. A special focus on the social history of American medicine, including background for current reform efforts.

3. Opportunity to pursue special topics in the history of American medicine in greater detail, including those of special student interest or related to chosen field of specialization.

Course Faculty and Staff

- William L Allen JD (Co-Director)
- Bernie Amaro (Course Staff)
- Ray E Moseley PhD (Co-Director)

Meeting Place and Time

TBA

Course Materials


Additional Information

The course is sufficiently flexible for students to spend some of their time and efforts on topics of particular individual interest as well as exposure to diverse perspectives. This online course involves reading materials and participating in a Canvas discussion board on a daily basis.

Infectious Disease Consult Service - Jacksonville

MED E 7J | 4th Year Elective | Internal Medicine | Clinical Science

Course Description

The Infectious Diseases Consult Service provides students with an introduction to this challenging and expanding area of medicine. Direct clinical experience is provided in hospital inpatient consultation, outpatient consultation, care of patients with HIV and AIDS, and hospital epidemiology. Students function as members of the consult team, evaluating and participating in the care of patients on all adult services, including surgery, obstetrics and gynecology, and critical care. The syndrome approach to the diagnosis of infectious diseases is emphasized, and students participate in didactic sessions which review common infectious disease syndromes and topics.
Course Faculty and Staff

- Michael Sands MD (Director)
- Frank J Genuardi MD, MPH (Other Faculty)
- Dani Brown (Course Staff)
- Nancy Culpepper (Course Staff)

Meeting Place and Time

Please contact Dr. Nilmarie Guzman pager # 904-393-6381 before rotation begins for meeting time and place. ID fellows should be contacted as well. For any questions please call our program assistant Nancy Culpepper at 904-244-7514

Course Materials

Handouts on the syndrome approach to infectious diseases consultation

Infectious Diseases

MED E 9 | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites

4th Year Medical Student

Course Description

Students will participate on the inpatient consultation service to provide first hand patient contact and apply their knowledge. There is an option to rotate at Shands or the VA Hospital (limit of 2 students per facility). There will be a weekly ID lecture as well as weekly patient management conference where challenging infectious disease cases will be discussed. Students will be allowed to leave at 5pm on the weekdays. There is no weekend call for students.

Course Faculty and Staff

- Christie Little (Course Staff)
- Gautam Kalyatanda (Director)
- Matthew Staehnke (Course Staff)

Meeting Place and Time

Health Science Center, Dental Tower
Rm. D2-39, 9:00am (first day)
Office: 352-294-5481

Course Materials

There is no required course material for this elective.

Additional Information

"Infectious Diseases in 30 days", McGraw-Hill, is written by Dr. Frederick Southwick, faculty. This book can be purchased at the UF Bookstore.
Infectious Diseases with focus on HIV & Hepatitis - Jacksonville

MED E 42J | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites
4th year medical student

Course Description
Medical students will learn the fundamentals of evaluating clinical infections in an outpatient setting. The student will have the opportunity to join faculty members at the University of Florida Center for HIV/AIDS Research, Education and Services (UF CARES) program. The clinic is the primary provider for HIV infected patients, and students will learn the pathogenesis of HIV, become familiar with most antiretroviral medications, and have the opportunity to learn about opportunistic infections and their prophylaxis. They will also have the opportunity to see patients with sexually transmitted diseases and a wide range of acute and chronic infections with a heavy emphasis on HIV/AIDS, including indigent and insured patients, of both sexes and a wide range of ages. Medical students will play an important role in the management of these patients. They are expected to read the literature about their patients and attend/participate in didactic conferences including Grand Rounds and clinical conferences in HIV and Infectious Disease.

Course Faculty and Staff

- Mallaeswari Ravi MD (Co-Director)
- Chelsea Rountree (Course Staff)
- Dani Brown (Course Staff)
- Mobeen H Rathore MD (Co-Director)
- Wilfredo Schanez MD (Other Faculty)
- Sarah Dew-Reeves PhD (Other Faculty)
- Jamie Marra PhD (Other Faculty)

Meeting Place and Time
UF CARES, 3rd Floor, Clinical Center

Course Materials
Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases: 7th edition (available through Borland library)
Infectious Diseases A Clinical Short Course 3/E (In Thirty Days Series) 3rd Edition by Frederick Southwick
www.cdc.gov
http://www.fcaetc.org/
http://aidsinfo.nih.gov/guidelines
HIV Dermatology: https://www.aad.org/education/basic-derm-curriculum/suggested-order-of-modules/hiv-dermatology

Inpatient Sub-Internship/Acting Internship, Arnold Palmer Hospital for Children / Orlando Health

PED E 34 | 4th Year Unknown | Pediatrics | Clinical Science
Prerequisites

Fourth Year Medical Student; Completion of Core Pediatric Rotation

Student must call the GME Coordinators at APH for approval to take the course.

Sandra Ingram, 321-841-3715
Alex Arismendi, 321-841-2148

Course Description

During this four week rotation, the student will function in the role of sub-intern on the team. The student will be exposed to the wide range of pediatric illnesses in a busy children's regional referral hospital through direct patient care, lectures and discussions. The course is designed to solidify the student's knowledge of hospital care of common pediatric illnesses as well as complex pediatric diseases.

Course Faculty and Staff

- Arwa Saidi MD (Director)

Meeting Place and Time

Graduate Medical Education, Medical Education Building, 86 W. Underwood Street, 1st Floor Lobby, 8:00 a.m. (day one)

Course Materials

Patient care activities will take place in Arnold Palmer Hospital

Additional Information

Course Faculty and Staff David Skey, M.D., Jamee Walters, M.D. Adaobi Okobi, M.D., Hanane Dahoui, M.D., Jean Moorjani, M.D., Jaya Surujdyal, DO, Chief Residents.

Interdisciplinary Approach to the Patient's Story

COM E 4 | 4th Year Elective | Comec Chapman Education Center | Basic Science

Prerequisites

UF 4th year medical student

One semester of narrative medicine preferred but not required.

Course Description

This elective teams 4th year medical students with English Department graduate students and Anthropology Department graduate students in collaborative study of narrative and how narrative analysis can be used to treat chronic conditions- such as obesity- that have large psychosocial and behavioral components. Through this elective students will learn how to apply narrative study to a better understanding of the psychosocial components of illness, and how to use that understanding to promote better health.

Course Faculty and Staff
• Nina Stoyan-Rosenzweig (Director)

Meeting Place and Time
TBA

Course Materials
Students will be expected to read Rita Charon, Honoring the Stories of Illness; Don Kulick, Fat: the Anthropology of an Obsession; Lewis Mehl-Madrona, Narrative Medicine: The use of story and history in the healing process.

Interdisciplinary Service - Learning in Action
MED E 27 | 4th Year Elective | Internal Medicine | Basic Science

Prerequisites
UF COM 4th year medical student

Course Description
The Interdisciplinary Service-Learning In Action course is designed to promote the health and overall well-being of medically underserved and low-income individuals through service provision; cooperative learning; and collective action among community and professional students; volunteers; and participants. Students will rotate among local primary care and social services clinical sites that serve the target population offering medical care/screening; health education; social services information; and will help with provisions for delivery to the homeless. Locations for service delivery may include the GCM Clinic; Migrant Programs; Eastside Community Practice; Equal Access clinic; Helping Hands Clinic; Acorn Clinic; We Care; and the Home Van project. Students will gain a "perspectives workout" to help them to be more aware and open to various perspectives; including gender; culture; class; ethnicity; racial or religious identity; age; professional background...each helps to shape a person's experience of the world.

Course Faculty and Staff
• Gina Murray (Director)
• Matthew Staehnke (Course Staff)

Meeting Place and Time
Mondays 9:00 am to 10:00 am /Program for Interdisciplinary Education Health Science Center Room# H-5

Course Materials
*Available for check-out from the course director.

Internal Medicine Consult Service
MED E 24 | 4th Year Elective | Internal Medicine | Clinical Science
Prerequisites
Successful completion of the Internal Medicine MS-3 Clerkship

Course Description
COURSE GOALS:
Learn how to perform effective, evidence-based internal medicine consultation.

Gain practical experience in the evaluation and management of a variety of common medical problems such as: anemia, Leukocytosis, thrombocytopenia, fever, dyspnea, chest pain, edema, electrolyte imbalances, oliguria, abdominal pain, delirium, and jaundice.

Learn how to perform a preoperative medical evaluation in surgical patients.

Learn how to communicate effectively and establish professional relationships as a consultant with patients, families, nursing staff and medical colleagues from non-internal medicine services.

Recognize appropriate indications and assist with transfer of patients to appropriate internal medicine inpatient services when warranted.

Course Faculty and Staff
• Nila Radhakrishnan MD (Director)
• Mallory Billings (Course Staff)
• Matthew Staehnke (Course Staff)

Meeting Place and Time
Shands North Tower
Call 352-294-8278 for specific details.

Course Materials
Internal Medicine Consultation website:
http://internal.medicine.ufl.edu/education/internalmedicineconsultservice/
This contains course syllabus, all required readings and reference materials

Additional Information
Please email Mallory Billings at mallory.billings@medicine.ufl.edu TWO weeks prior to your rotation.

Internship 101
OBG E 7 | 4th Year Required | Obstetrics and Gynecology | Basic Science

Prerequisites
This course is only open to 4th year UF students in the final month of the academic year.

Course Description
This course will review common clinical problems encountered when a resident is on call in the hospital, such as cardiopulmonary arrest, septic shock, fever, drug overdose, psychiatric and neurologic emergencies, renal failure, and antibiotic selection. The course will also discuss medical-
legal issues, stress and time management, financial affairs, interactions with difficult patients, pre-operative and post-discharge counseling, and techniques for effective teaching (lectures, small group seminars, one-on-one instruction). All students will participate in a mini-"boot camp" presented by faculty members in their chosen field of specialization. Prior to the start of Internship 101, all students will become re-certified in Basic Cardiac Life Support and newly-certified in Advanced Cardiac Life Support.

Course Faculty and Staff

- **Patrick Duff MD** (Director)

Meeting Place and Time

Internship 101
First Monday of period 13 at 0800 in the North Learning Studio of the HMEB.

Course Materials

Syllabus is provided on line.

Interview Month

INT | 4th Year Elective | Internal Medicine | N/A

Course Description

This selection should be scheduled during the month in which students plan to complete the bulk of their residency interviews. The authorized months for interview are: October, November, December or January.

Course Faculty and Staff

No faculty or staff.

Meeting Place and Time

NA

Intro. to Radiation Oncology

RON E 1 | 4th Year Elective | Radiation Oncology | Clinical Science

Prerequisites

The student should have completed most, if not all, of their third year clinical rotations.

Course Description

COURSE GOALS: The principle objective of this course is to provide the student with an intimate exposure to the examination, diagnosis and treatment of the cancer patient. Emphasis is placed on methods of physical diagnosis and include detailed instruction in head and neck examination techniques, diagnostic maneuvers in gynecological examination and workup of patients with lymphoreticular malignancies. In general, the program is structured to allow the student to concentrate his/her effort in areas that compliment career plans. This course is a tremendous
opportunity for a medical student to evaluate and examine a large number and variety of cancer patients. Any student who is interested in a specialty which will interact with radiation oncologists is encouraged to use this opportunity to learn about the specialty. Approximately 250 cancer patients are seen each week in the department. The University of Florida Proton Therapy Institute in Jacksonville, FL is an excellent opportunity for the student to learn about Proton therapy. This is an off-site clinic- an extension of the U.F. Gainesville Rad/Onc clinic.

Course Faculty and Staff

- Robert J Amdur MD (Director)
- Nora Martin (Course Staff)

Meeting Place and Time

Shands Cancer Center - Department of Radiation Oncology, Robert J. Amdur, M.D., Chairman & Program

Course Materials

Instruction takes place via daily new patients consultations, follow up clinics, treatment simulations, tumor conferences, implant procedures, individual faculty discussion sessions and departmental teaching conferences. Individual research projects are available and optional.

Additional Information

The University of Florida Proton Therapy Institute (UFPTI) is located in Jacksonville, FL, the student will be responsible for their own transportation & lodging if they need to stay overnight.

Introduction to Anatomic and Clinical Pathology - Jacksonville

PATH E 2J | 4th Year Elective | Pathology | Clinical Science

Prerequisites

4th year medical student

Course Description

The purpose of this course is to provide an overview of the process involved in providing pathology and laboratory services and the impact of these services have on patient care. Students will participate in signing out the cases in pathology and laboratory medicine and will become familiar with the pathogenesis of various disease process. Students will participate in Departmental educational activities and will interact with laboratory personnel, residents, fellows, and the faculty of the Department.

Course Faculty and Staff

- Yvette S. McCarter PhD (Other Faculty)
- Rebel Jones (Course Staff)
- Raafat Makary MD, PhD (Other Faculty)
- Agnes Aysola MD (Other Faculty)
- Anwer Siddiqi MD (Director)
- Shahla Masood MD (Other Faculty)
Meeting Place and Time
Department of Pathology; Clinical Center; First Floor; East Expansion Wing - Shands Jacksonville; 8:30 AM

Course Materials
Study Sets, Medical Books, and Medical Journals

Introduction to Culinary Medicine
PED E 32 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites
Nutrition and Health Intensive 1

Course Description
This elective will introduce students to Culinary Medicine, the utilization of a unique combination of nutrition and culinary knowledge to assist patients in achieving and maintaining optimal health. The information learned in this course will help students teach and inspire their patients to make real changes in their diets so that they might live healthier lives.

Course Faculty and Staff
- Carolyn Carter MD (Director)

Meeting Place and Time
East Side High School. 6 cooking classes

Course Materials
On-line Modules; Handouts for cooking classes
Lab Fee: $65

Introduction to EMS, Prehospital Care and Shands Cair
EMD E 2 | 4th Year Elective | Emergency Medicine | Clinical Science

Prerequisites
Satisfactory completion of third year curriculum.

Course Description
COURSE GOALS: At the end of this rotation, the student will:
1. Gain an appreciation for the role of prehospital care in the management of the critically ill or injured patient.
2. Be able to assess the appropriateness of a patient for transport by ground or air.
3. Understand, through active participation in prehospital care operations, the unique challenges of packaging, monitoring, and performing patient care in the prehospital environment.
4. Know how to access emergency medical service systems and explain dispatch principles used by these systems.
5. Gain an appreciation of the needs for prehospital education, quality assurance and research.
6. Understand integrated trauma management.

During these four weeks, you will be exposed to all aspects of emergency medical services (EMS). Your experience will include flying with Shands Cair (October through May Only - must not be taller than 6'2” and under 200 lbs.), riding on paramedic units, participating in quality assurance activities, paramedic education, and prehospital protocol assessment. You will discover the satisfaction which comes in assisting in the out-of-hospital management of the critically ill or injured patient and in knowing that your efforts can benefit the health of a community, not just an individual.

For more information about the rotation please visit our web site, http://emergency.med.ufl.edu/education/rotations/ems-student-rotation/.

Course Faculty and Staff

- Amber Cook (Course Staff)
- Amy Smith (Course Staff)
- Jason Jones MD (Director)
- Kassandra Moench (Course Staff)

Meeting Place and Time

By arrangement with course sponsor.

Course Materials

Handouts and training materials are provided by the course sponsor and sponsoring agencies. Prehospital patients come from all sections of the county and all segments of society, and will be seen in the field as students ride with paramedics. The only common thread binding these patients is their need for assistance.

Additional Information

NOTE - This course will be offered only by specific arrangement with course director/co-director.

Introduction to Integrative Medicine

MED E 37 | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites

4th year medical student
Primary care clerkship (MS3) in either Family Medicine or Internal Medicine

Course Description
This 2-week elective is designed to provide students with an evidence-based and experiential understanding of integrative medicine. The students will interact with faculty members and community-based complementary and alternative (CAM) professionals during sessions of didactic instruction, small group discussion, observation in various practice settings, and field visits. A series of one-hour evidence-based presentations on five topics, including a review of the literature is included. Following each session, an assigned student presents a critique of that subject’s best available randomized controlled trial. Selected topics will be chosen based on a list of complementary therapies being investigated by the National Center Complementary and Alternative Medicine. These will include acupuncture, herbal medicine, nutritional supplements, Tai Chi/yoga/similar modalities, meditation, and hypnosis.

The students will receive an extensive syllabus that includes a list of readings, websites, educational goals, introductory materials on the topics provided, and a schedule of activities for the two-week course. As a culminating activity, the each student will prepare a case presentation and a treatment plan for a chosen disease process. One case will be chosen for presentation to the faculty and students participating in the elective. Each student will also submit brief reflective writing entries based on their experiences in their practice settings. These entries will be evaluated based by the course director using currently used rubrics for reflective writing assessments.

Course Faculty and Staff

- Irene M. Estores MD (Director)
- Rebecca Beyth MD (Other Faculty)
- Monica Aggarwal MD (Other Faculty)
- David McMahon MD (Other Faculty)
- Marika Alois MD (Other Faculty)
- Matthew Staehnke (Course Staff)
- Samantha Gulick (Course Staff)

Meeting Place and Time

Rm 5129, Building 1329, Health Sciences Center

Course Materials

Recommended reading:
1. Rakel D. Integrative Medicine, 2nd ed. Saunders, Philadelphia, Pa 2007

Journal Articles for discussion: (other articles can be suggested by E-B faculty member participating in elective)

Suggested Websites:
http://lpi.oregonstate.edu (Linus Pauling Institute at Oregon State University)
http://www.umm.edu/altmed (University of Maryland Medical Center)
http://www.mskcc.org (Memorial Sloan-Kettering Cancer Center)
http://nccam.nih.gov (National Center for Complementary and Alternative Medicine)
http://www.fammed.wisc.edu/integrative (University of Wisconsin Madison Integrative Medicine Program)

Additional Information

During the first week of the elective, the students participate in didactic sessions, group discussion and experiential learning. During the second week, they will be assigned in pairs to different practice settings either at UFHealth or in the community as described in the schedule that follows:
* Students will be assigned in groups of two to one participating practitioner and will be with that practitioner for four days of that week. The practitioners and practice settings they will observe include integrative medicine, acupuncture, primary care and spinal manipulative therapies. These UF faculty and community-based practitioners have been identified and upon approval by UF COM will be invited to participate as preceptors for this elective.
** Students will reconvene on last day of elective for presentations, which will be attended by the course directors and other students enrolled in the elective.

Leadership in Global Health

EMD E 3J | 4th Year Elective | Emergency Medicine | Clinical Science

Prerequisites
Selection as a second year trip leader for the Service Learning Trips during spring break and participation during the first year (2 total).
OR
A Senior medical student who participates in two Spring service learning trips as a 2nd, 3rd, or 4th year student (2 total).

Course Description
Students will fulfill the role of trip leader, organizing the spring break Service Learning
OR
A Senior medical student who participated in one service learning trip as a second year or third year and one trip as a senior student.

Course Faculty and Staff
Meeting Place and Time
TBA

Course Materials
Pre-departure Manual, Service Trip Leaders Manual both located on www.globalhealth.med.ufl.edu; web-based resources

Additional Information
Students who participate as a trip leader in their 2nd year of medical school (usually selected during their first year and attend the trip as a first year - no other first years attend the trips), or students who have participated in 2 trips during their 2nd, 3rd or 4th years, will receive 2 credits for participation. The trips typically travel during Spring Break each academic year.

Students may choose to use these credits towards their senior year as 'previous credits obtained'. A max # of 2 credits can be used for previous credits (i.e., Narrative Med, Community Service, Leadership in Global Health) Only credits for participation in one of these can be used toward a student's 4th year schedule.

Learning to See: Art and Humanism in Medicine
MED E 34 | 4th Year Elective | Internal Medicine | Basic Science

Prerequisites
Not being offered this year.

4th year UF medical student

Course Description
This elective is team taught by College of Medicine, Arts-in-medicine and visiting faculty, and is an intensive introduction to arts in medicine, especially the way in which improving observation skills can help foster better patient care. In addition to an overall introduction to arts in medicine and humanism in medicine, it will use trips to the Harn Museum of Art, focus on natural history and other observation techniques, to help 4th year students improve bedside care of patients.

Course Faculty and Staff
- Paulette C Hahn MD (Co-Director)
- Nina Stoyan-Rosenzweig (Co-Director)
- Robert M Lawrence MD (Co-Director)
- Matthew Staehnke (Course Staff)

Meeting Place and Time
TBA
Please e-mail Paulette Hahn, MD at hahnpc@medicine.ufl.edu

Course Materials
Local/Global Health Equity Seminar series

EMD E 6J | 4th Year Elective | Emergency Medicine | Clinical Science

Course Description

Through participation in the Local – Global Health Equity seminar series, students will gain an understanding of the environmental, social, cultural, political, economic and health system determinants of the health of individuals and population groups both in the US and abroad. The course will emphasize the frameworks of human rights and social justice and employ the Social Determinants/Ecologic model to examine health and health care systems in the US and around the world. We will study health and health care disparities in the US and abroad, and endeavor to identify evidence-based interventions to address disparities at the personal, community, and policy levels. The Seminar Series will introduce UF medical school students to others working collaboratively in public health or global health settings and/or pursuing a career of clinical service, research, teaching, or policy- making to address the needs of underserved populations.

Course Faculty and Staff

- Elizabeth DeVos MD (Director)
- Shawn Murphy (Course Staff)

Meeting Place and Time

The Local/Global Health Equity Seminar series meets on Thursday afternoons from 1-3 PM in the HMEB. The seminar series was developed as a component of the Local/Global Health Equity Discovery Pathway and complements the L/GHET MSRP.

Course Materials

Course materials will be distributed before each class electronically. They will consist of textbook chapters, journal articles and review of online resources as appropriate to facilitate each week’s discussion.

Additional Information

Objectives

- To ground students in the ecologic/social determinants model of health and health care using a human rights and social justice framework.
- To provide students with the knowledge and skills to evaluate health and health care needs of populations in low resource settings.
- To prepare students to collaborate in local and global health projects with the goal of serving individual and community health needs through discovery, clinical care, health education, and advocacy.
- To empower and prepare students to work across language and cultural differences in low resource settings in the US and abroad.

Local and Global Health Equity Track Competencies

- Understand the basic philosophic and conceptual frameworks for the study of social determinants of health including the ecologic model and the human rights and social justice frameworks.
• Be knowledgeable of major determinants of health in low resource settings and local, national or international interventions to address health determinants (e.g., UN Millennium Development Goals or the US Global Health Initiative)
• Understand how local, national, and global trends in healthcare practice, commerce and culture contribute to the health of populations, as well as the quality and availability of healthcare locally and internationally
• Demonstrate an understanding of barriers to health and healthcare in low-resource settings and evidence-based healthcare delivery strategies in low-resource settings, especially the role of community-based healthcare and primary care models
• Demonstrate an understanding of cultural and ethical issues in working with underserved populations
• Acquire understanding of clinical skills necessary to provide care for patients with a wide range of health problems in resource-poor settings.

Longitudinal (Four Year) Community Service Elective

PED E 28 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites

Although hours will be collected throughout the four years, only 4th year medical students can formally sign up for the course.

Course Description

Students may choose to earn either two credit hours or four credit hours for this course, depending on how many hours of community service are completed.

The requirements for earning 2 credit hours are:
1. Complete 80 hours of community service during four years of medical school; 70 of these hours MUST be completed PRIOR to the credit being assigned, i.e. prior to the period you are signed up for the elective. If you have not completed 70 hours before the beginning of the period you are signed up for the elective, you will have to drop this course and add another to complete your graduation requirements. The remaining ten hours may be completed before the end of the elective period; and 10 hours minimum must be done during the 4th year. Also, 50 hours of the 80 hours must be clinical.
(Also, see numbers 2-6 below, which must be done/applied to earn 2 credit hours.)

The requirements for earning 4 credit hours are:
1. Complete a total of 160 hours of community service during four years of medical school. 140 hours may be completed before the beginning of the 4th year. The other 20 hours must be done during the 4th year, before the end of the scheduled elective period. If you have not completed 140 hours before the beginning of the period you are signed up for the elective, you will have to drop this course and add another to complete your graduation requirements. 100 of the 160 hours must be clinical.
2. Hours no longer need to be self-reported if they are for the EAC. The EAC officers will report hours directly. For hours reported out of the EAC please have officers email Jackie Seekamp jseekamp@ufl.edu for confirmation of the hours.

4. All volunteer hours must be verified by a licensed health professional.
5. Students from any year may begin accruing hours at any time during the four years of medical school (not accruable when on leave in other HSC program). The medical education office will track hours. However, students will not sign up for the credit course until the fourth year. Students who do not complete this course successfully will have to find another source of credits for graduation.

6. ICM required hours do not count towards the community service elective.

Accrual of community service hours:
List of approved sites/locations for clinical service hours--
1 Equal Access Clinic at Main St
2 EAC at Gainesville Community Ministries
3 EAC at Mobile Clinic East (Bartley Temple)
4 EAC at Mobile Clinic West (Tower Road)
5 Helping Hands Clinic
6 Rahma Mercy Clinic
7 Westside Samaritan Clinic
8 Health Fairs
9 Alachua County Health Department
10 Acorn Clinic
11 Archer Clinic
12 School-based screening and flu immunizations
13. UFHealth
14. International Spring Break Medical Service trips: maximum of 10 hours per trip
15. White Coat Company-maximum of 60 hours for 2 seasons of WCC. 30 hours max for 2 week credit.
16. If you would like to accrue hours somewhere not listed above please contact Dr. Novak for approval.

Service is accrued on an hour for hour basis. Hours spent in administration (of Equal Access, for example) may also be counted at the discretion of the course directors.

Course Faculty and Staff

- Maureen A Novak MD (Director)
- Meghan Lopez (Course Staff)
- Jacqueline A Seekamp (Course Staff)

Meeting Place and Time

Maternal-Fetal Medicine

OBG E 4 | 4th Year Elective | Obstetrics and Gynecology | Clinical Science

Prerequisites

This course is open only to senior students who specifically plan to pursue a career in Obstetrics and Gynecology.

Course Description
The objectives of this course are as follows:

To diagnose and treat medical complications of pregnancy.

To perform and interpret a basic screening ultrasound examination.

To apply prenatal diagnosis tests such as serum analyte screening, CVS, amniocentesis, cordocentesis, and cell-free fetal DNA assessment.

To develop skills in interpreting antepartum fetal assessment tests such as the NST, CST, biophysical profile, and doppler velocimetry.

To critically discuss major subject areas in perinatal medicine, such as cesarean delivery, diabetes in pregnancy, and prenatal diagnosis.

To learn the names and uses of common surgical instruments.

To learn the indications for use of different suture materials.

**Course Faculty and Staff**

- **Patrick Duff MD** (Director)

**Meeting Place and Time**

Students should report to the Harrell Medical Education Building, Room 210 at 7:30 am on the first Monday of the rotation.

**Course Materials**

Reading assignments will be distributed prior to the start of the elective.

**Additional Information**

Students will be evaluated on the basis of their clinical performance in the High Risk Obstetrics Clinic, Prenatal Diagnosis Clinic, Labor and Delivery Suite, and in the special tutorials with the course director. There are no night-time or weekend assignments.

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**McKnight Brain Institute Research**

**PSY E 14 | 4th Year Elective | Psychiatry | Clinical Science**

**Prerequisites**

4th year medical student

**Course Description**

This elective will improve the student's understanding about the neuronal substrates that compromise the brain reward system. In addition, the student will have insight in the role of brain stress systems in drug withdrawal. If the IACUC requirements are met, the student can participate in rodent experiments. In our laboratory, we investigate the brain areas that mediate the negative affective state of drug withdrawal. The main models that are used are rodent intra-cranial self-stimulation and rodent drug self-administration. Current research focuses on nicotine and opioid dependence.

**Course Faculty and Staff**
Meeting Place and Time
TBA

Course Materials
Study material will be provided at the beginning of the course by one of the course directors

Additional Information
For more information please contact Terry Lemesh at 594-1870 or tjlemesh@ufl.edu

Medical French Elective
MED E 45 | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites
UF COM student with basic French language knowledge and skills (can contact the course directors for a personal assessment of language skills and level)

Scheduling of this course must be preapproved by Dr. Sattari.

Course Description
This course provides an invaluable foundation for those planning to work or undertake electives or medical mission trips in French-speaking countries as well as those who aspire to work with global organizations such as the World Health Organization or Médecins sans Frontières (Doctors Without Borders). Working knowledge of medical French will also prove to be an important asset given changing demographics in the U.S.

This 2-week elective is designed to provide students with an essential French medical vocabulary and the confidence to use it. The students will interact with French-speaking faculty members during didactic and interactive sessions and small group discussions. The content focuses on everyday communication in a clinical setting. Select topics will include taking a history and examining a patient in French, presenting a patient in French, talking to patients, relatives and colleagues, finding your way around a French hospital (e.g. phones, labs, etc.), testing (e.g. ECG, X-rays, blood tests, etc.), and medical vocabulary. Students will be able to complete and present a patient education hand-out on a topic of their choice or a patient presentation in French at the end of this elective.

Course Faculty and Staff
- Maryam Sattari MD, MS (Co-Director)
- Amir Kazory MD (Co-Director)

Meeting Place and Time
Contact Dr. Maryam Sattari (Maryam.sattari@medicine.ufl.edu) (265-0651) or Dr. Amir Kazory (amir.kazory@medicine.ufl.edu) two weeks prior to course for meeting time and location and schedule.
Course Materials

A Course Handbook containing key vocabulary and phrases will be provided for each student.

Additional Information

Course Objectives
By the end of this rotation, the student will be able to
1. Obtain a simple history in French
2. Explain basic physical exam components, test results, and plan of care in French
3. Present a patient in French
4. Be familiar with French expressions to convey compassion and empathy

Medical Leadership Reading Elective

ANS E 10 | 4th Year Elective | Anesthesiology | Clinical Science

Prerequisites
None

Course Description

All online course. The changing landscape of health care reform and finance will alter the perception and role of future physicians. It is clear that medical schools and residencies need to broaden the scope of medical school curriculum and residency programs and move beyond individual clinical achievement. The reading month will address 3 aspects of leadership in healthcare.
1. To begin to build mental frameworks on management and leadership
2. To reframe the pertinent issues involving patient safety through the lens of a high-reliability organization and appreciate organizational cultures
3. To be able to critically evaluate professionalism in the workplace.

Course Faculty and Staff

• Christopher Giordano MD (Director)
• Breaunna Sweet (Course Staff)

Meeting Place and Time

All online requirements. Chris Giordano available throughout the month for in-person meeting.

Course Materials

Books and articles will be available to borrow each month, or purchased on own accord if desiring to keep

Additional Information

All core objectives will be evaluated the same way. The course is divided into 4 weeks that approach Medical Leadership for 4 different ways that we have grouped into modules. These modules include:
The student will complete the weekly reading schedule and will provide the course director with 2-3 page reflections on each week’s reading question. Concurrently, the medical student will participate in an on-line discussion group and review the reflections from other medical students. Finally, the student will shadow a medical administrator in order to gain real-life exposure to a leadership environment.

Medical Spanish

PED E 27 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites

4th year UF COM student

Course Faculty and Staff

- Donna M Parker MD (Director)
- Carol L Enoch (Course Staff)

Medical Student Clerkship in Emergency Critical Care

EMD E 5 | 4th Year Elective | Emergency Medicine | Clinical Science

Prerequisites

BCC 7180 Required Emergency Medicine clerkship; for externs, one month of Emergency Department

Course Description

The purpose of this course is to introduce senior Medical Student with career goals in Emergency and or Critical Care Medicine to gain significant exposure, education and experience, in Emergency Critical Care; specifically the acute assessment, and management of medical, traumatic and pediatric resuscitations. Students will be scheduled to work shifts in the Resuscitation area of the Shands UF Emergency Department and will work closely with faculty, residents and fellows in the management of the highest acuity cases that present to the ED. Students are expected to become integrated into the care team. Students will also spend significant time in the department's simulation lab learning and perfecting critical care procedures and resuscitation skills.

Course Goals: This course is designed for the MS4 who has completed the EM requirement and has a career interest in EM. This course will provide a focused experience in Emergency Critical Care including airway management, and care of Trauma, Sepsis, Respiratory failure, Acute MI's, Strokes and other acute severely ill patients. The student will be paired with an EM resident or Critical Care fellow during shifts and be active participant in the care team in the Resuscitation module of the ED.

Course Objectives: Demonstrate the ability to rapidly assess the critically ill and injured. Obtain an AMPLE history, and perform a focused problem based examination.
Demonstrate ability to perform ACLS algorithms for V-fib arrest, stable and unstable V-tach and tachyarrhythmias, and bradycardia.
Demonstrate the ability to read ECG and interpret then above arrhythmias.
Demonstrate ability to manage respiratory distress including BiPAP, intubation, and ventilator management.
Demonstrate ability to interpret ABG
Demonstrate the ability to calculate ISS score
Demonstrate the ability to calculate APACHE II score
Demonstrate the ability to perform follow up on patients resuscitated in the ED

Teaching Methods: Assigned readings, Direct patient care, , On-line lectures and online shock module.

Feedback: Directly from Residents, fellows and faculty during shifts. Mid-clerkship review sessions with clerkship director, program director or EM CCM faculty.

Student Portfolio: Procedure log, APACHE II and ISS scores of patients seen during shifts, Case log.

Evaluation: Clinical evaluations by supervising resident, fellow and faculty; , End of clerkship oral exam.

Competencies:
Objectives: ACGME competencies covered by each objective:
PC=Patient care, PL=Practice Based Learning, MK=Medical Knowledge, IC= Interpersonal Communication, Pr= Professionalism, SP= System Based Practice

Assessment & Treatment:
1. Demonstrate ability to rapidly perform history and physical exams in critically ill patients. (1) (PC)[DO]
2. Describe the dosages, indications and contraindications of pharmacologic interventions for shock, cardiac failure, dysrhythmias, sepsis, trauma, toxins, respiratory failure, hepatic failure, renal failure, and neurologic illnesses. (1) (PC)[DO, Vsim]
3. Demonstrate appropriate prioritization of diagnostic and therapeutic interventions in critically patients. (1) (PC, MK)[DO, Vsim]
4. Demonstrate an understanding of the appropriate use of consultants in critically ill patients. (1) (PC, MK, IC, Pr, )[DO]
5. Demonstrate an understanding of the ethical and legal principles applicable to the care of critically ill patients. (1) (PC, PL, MK, IC, Pr,) [DO, CE]
6. Demonstrate the ability to notify family of patient’s death in professional and compassionate way. (1) (PC, Pr,IC) [DO]
7. Understand the pathophysiology of hypertensive emergencies including acute pulmonary edema, acute renal failure, stroke and encephalopathy. (1) (PC, MK, IC,) [CE, DO]
8. Understand the typical evaluation for acute mental status depression including indications for intubation. (1) (PC, MK) [CE, DO]
9. Discuss differential diagnosis of acute mental status changes. (1) (PC, MK) [DO]
10. Know and be able to discuss all toxidromes for which a specific antidotes exists or which can be treated with hemodialysis. (1) (PC, MK) [CE, DO]
11. Demonstrate understanding of "Do not resuscitate" orders, advance directives, living wills and brain death criteria. (1) (PC, PL, MK, IC, Pr, SP) [CE, OD]

12. Demonstrate thorough knowledge of antibiotic selection in critically ill patients. (1) (PC, MK) [DO, CE]

Trauma:
1. Demonstrate the ability to perform the following procedures: oral endotracheal intubation, nasotracheal intubation, cricothyrotomy, tube thoracostomy. (1) (PC, MK) [DO, VP, Vsim]
2. Understand the appropriate evaluation and resuscitation for geriatric trauma patients with multiple injuries. (1) (PC, MK, IC,) [DO, CE, ]
3. Understand the different diagnostic and treatment variations in penetrating vs. blunt trauma. (1) (PC, MK) [CE, Vsim]
4. Understand the management of major trauma as outlined in ATLS. (1) (PC, MK) [CE, DO, Vsim]

Cardiac:
1. Demonstrate the ability to perform the following procedures: Transvenous cardiac pacing, External Cardiac Pacing. (1) (PC, MK) [CE, DO, Vsim]
2. Demonstrate knowledge of the various etiologies of cardiac arrest and the corresponding therapeutic approaches. (1) (PC, MK) [CE, DO]
3. Demonstrate knowledge of the factors affecting blood flow, oxygen delivery and oxygen consumption in shock and cardiac arrest. (1) (PC, MK) [CE, DO, Vsim]
4. Demonstrate ability to recognize dysrhythmias associated with cardiac arrest and knowledge of ACLS protocols for their treatment. (1) (PC, MK) [CE, DO, Vsim]
5. Understand the dosages, indications and contraindications for pharmacologic therapy during cardiac arrest and following resuscitation. (1) (MK, PC) [CE, DO, Vsim]
6. Demonstrate the ability to interpret pressure waveforms from CVP, RA, RV, PA and PCWP. (1) (PC, IC, MK) [CE, DO]
7. Understand the sensitivity and specificity of ancillary studies for life threatening chest pain presentations including EKG, chest x-ray, cardiac enzymes, and arterial blood gases. (1) (PC, MK) [CE, DO]
8. Discuss the proper management of and therapeutic options for STEMI. (1) (PC, MK) [CE, DO]
9. Demonstrate ability to safely perform internal and external defibrillation. (1) (PC, PL, MK, IC, ) [CE, DO, Vsim]
10. Describe the clinical findings of cardiogenic shock and outline therapy for cardiogenic shock. (1) (PC, MK) [CE, DO]

Resuscitation:
1. Demonstrate understanding of the Fick equation and its application in monitoring shock states. (1) (PC, MK) [CE, DO]
2. Demonstrate ability to diagnose and treat shock, sepsis, fluid and electrolyte abnormalities, cardiac failure, cardiac dysrhythmias, acute renal failure, and toxicologic emergencies. (1) (PC, MK) [CE, DO, Vsim]

Severe Sepsis:
Demonstrate the ability to perform the following procedures: Central Venous Line, Subclavian or Internal Jugular (1) (PC, MK) [PC, MK]
Demonstrate knowledge of and ability to perform Early Goal Directed Resuscitations in severe sepsis (1) (PC, MK, PL, SBP)[CE, DO, Vsim]

Neurologic:
1. Differentiate between ischemic and hemorrhagic Stroke. (1) (PC, MK) [CE, DO]
2. Demonstrate knowledge of current recommendation for the treatment of acute ischemic Stroke, Hemorrhagic Stroke,(1) (PC, MK) [CE, DO]
3. Demonstrate ability to calculate NIH stroke score. (PC, MK, IC, SBP) [CE, DO]
4. Discuss the rationale for deciding which patients should or should not receive fibrinolytic therapy including timing, imaging, clinical course and risk-benefit analysis. (PC, MK, SBP, Pr) [CE, DO]
5. Demonstrate ability to provide patient & family with information in understandable format to permit informed consent on the decision to institute or withhold thrombolytic therapy. (1) (MK, PC, IC) [CE, DO]

Critical Care Monitoring:
1. Demonstrate the ability to perform the following procedures: Arterial line placement, central intravenous catheter placement, CV pressure monitoring of volume resuscitation. (1) (PC, MK, SBP) [DO, Vsim]
2. Demonstrate the ability to use and interpret data from ECG monitors, ECG’s, Central venous pressure monitors and other hemodynamic monitoring, arterial and central venous blood gases, pulse-oximetry, end tidal CO2 monitors and ventilators. (1) (PC, MK, IC) [CE, DO]
3. Understand current modalities of non-invasive hemodynamic monitoring including US, pulse contour and impedance cardiography. (1) (PC, MK) [CE, DO]
4. Demonstrate the ability to safely perform procedural sedation for emergent procedures, including use of narcotics, benzodiazepines, and hypnotics. (PC, MK,) [CE, DO]

Advanced Airway Management
1. Demonstrate at least 3 methods of definitive airway control when standard oral tracheal intubation fails. (1)(PC, MK) [DO,VP, Vsim]
2. Develop a written personal difficult airway algorithm on pocket card. (1)(PC, MK) [DO,VP, Vsim]
3. Be able to recite their personal difficult airway algorithm. (1)(PC, MK) [DO]
4. Demonstrate their ability to perform each procedure involved in their personal difficult airway algorithm. (1)(PC, MK) [DO,VP]
5. Demonstrate their ability to use the personal difficult airway algorithm in case scenario (1)(PC, MK) [DO, Vsim]
6. Demonstrate ability to write ventilator orders (1) (PC, MK) [DO, Vsim]
7. Demonstrate the ability to manage a patient on a ventilator and non-invasive respiratory support (CPAP BiPAP). (1) (PC, MK)[DO]
8. Demonstrate ability to manage the airway during cardiac arrest, including mouth-to-mask ventilation, bag-valve-mask ventilation, endotracheal intubation, cricothyroidotomy, and recognition of the obstructed airway. (1) (PC, MK)[DO, VP]
9. Demonstrate ability to perform nasopharyngeal and bronchoscopy. (1) (PC, PL, MK, IC, Pr, SP) [DO,VP]
10. Demonstrate ability to wean patient from ventilatory support. (1) (PC, MK) [CE,DO]

Course Faculty and Staff

- Kassandra Moench (Course Staff)
- Amy Smith (Course Staff)
- Rohit Patel MD (Director)
- Amber Cook (Course Staff)

Meeting Place and Time

Shifts will be scheduled in the Shock-Trauma unit of the Emergency Department.
Course Materials


Medical Writing Elective

MED E 38 | 4th Year Elective | Internal Medicine | N/A

Prerequisites

UF COM 4th year student - Successful completion of at least one clinical rotation or elective

Scheduling of this course must be preapproved by Dr. Sattari.

Course Description

Effective communication not only benefits physicians and physicians-in-training, but could ultimately result in better care and service to the public, patients, and the medical profession. This 2 week elective is designed to provide students with an experiential understanding of medical writing. The students will interact with faculty members during didactic and interactive sessions and small group discussions. Select topics will include introduction to various types of manuscripts, medical writing and editing, writing tips, plagiarism/self-plagiarism, patient privacy, HIPPA, and information about publication/submission requests. The students will gain a perspective on unique aspects of medical writing through hands-on experience with writing, revising, editing and navigating submission and publication processes.

This elective provides a core support group and resource for any medical student interested in writing. The small group sessions provide an opportunity for students to meet with each other, present their writing and receive feedback and assistance in preparing their manuscript for publication. Whether a medical student has a particular interest in writing a clinical vignette or a case report, this elective will offer guidance and structure to produce a major project for presentation and/or publication. Students will be able to choose to complete a clinical vignette or a case report at the end of this elective (fully edited and ready for submission).

Course Faculty and Staff

- Maryam Sattari MD, MS (Co-Director)
- Amir Kazory MD (Co-Director)
- Marilyn Nehring (Course Staff)
- Matthew Staehnke (Course Staff)

Meeting Place and Time

Contact Dr. Maryam Sattari (Maryam.sattari@medicine.ufl.edu) (265-0651) or Dr. Kazory (amir.kazory@medicine.ufl.edu) two weeks prior to course for meeting time and location and schedule.

Course Materials

The students will receive an extensive syllabus that includes resources for reading, websites, educational goals, and a schedule of activities for the course. Handouts will also be provided as needed.
Additional Information

NOTE: Scheduling of this course must be preapproved by Dr. Sattari. Please contact Dr. Sattari (Maryam.sattari@medicine.ufl.edu or 265-0651) prior to signing up for this elective.

Medicine - Clinical Independent Study
MED CIS | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Medicine at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student.

Course Faculty and Staff
- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)
- Matthew Staehnke (Course Staff)

Meeting Place and Time
TBA

Course Materials
TBA

Additional Information
TBA

Medicine - Externship
MED EXT | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the Department of Medicine. Students should complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.
Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

Medicine - Independent Study

MED IS | 4th Year Elective | Internal Medicine | Basic Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Medicine at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)
- Matthew Staehnke (Course Staff)

Meeting Place and Time

TBA

Course Materials

TBA

Minimally Invasive Surgery and Gastro Esophageal Surgery

SUR E 19 | 4th Year Elective | Surgery | Clinical Science

Prerequisites

Successful completion of M3 surgical clerkship.
Course Description
Clinical rotation on the Minimally Invasive Surgery Service

Course Faculty and Staff
- Jeff Friedman MD (Other Faculty)
- Ashley Beavers (Course Staff)
- Adela Van Antwerp (Course Staff)

Meeting Place and Time
Contact the Surgery Education Office at 265-0916 for reporting instructions.

Course Materials
Provided during course

MS 3; Primary Care Sports Medicine
CM E 44 | 4th Year Elective | Community Health and Family Medicine | Clinical Science

Prerequisites
3rd/4th-year medical student having completed the Third year Family Medicine and Ambulatory Care Clerkship

Course Description
This two week course is an outpatient primary care sports medicine elective. The student spend the rotation at the Orthopedic and Sports Medicine Institute, Student Health Care Center and the Family Medicine Main Street clinic. The student will spend approximately a total of 10 half days in sports medicine clinic, 2 half days in acute care at SHCC, 2 half days in the radiology reading room, 2 half days in physical therapy, 2 half days of didactics/CAQ meeting, 1 half day in casting room, 1 evening in Orthocare after hours clinic. The student will interact with several sports medicine trained faculty, physical therapists, MSK radiologists and will have opportunities to participate in sporting event coverage in the evening time depending on availability.

Course Faculty and Staff
- Charlie Michaudet MD (Director)

Meeting Place and Time
The students will be contacted by phone or emails 1 weeks before the beginning of the rotation by the course director.

Course Materials
Reading prior to the course
AAFP articles below:
MS 3; Radiology Elective for 3rd year Medical Students
RAD E 11 | 4th Year Elective | Radiology | Clinical Science

Prerequisites
3rd year medical student requesting pre 4th-year experience in Radiology

Course Description
This is an introductory course to radiology. Rotation experiences in clinical radiology subspecialty areas will be tailored by the Course Director based on input from the student.

Course Faculty and Staff
- Sarah Bloom (Course Staff)
- Erinn Cooke MD (Director)

Meeting Place and Time
8:15AM on the 1st day of the rotation in Room G515 - ground floor, north tower, in hallway adjacent to the entrance to the S Tower tunnel.

Course Materials
Learning Radiology website

MS 3; Vacation
VAC | 4th Year Elective | Comec Chapman Education Center | N/A

Prerequisites
3rd-Year medical student scheduling during 2 week break.

Course Description
This entry should be selected by 3rd-year medical students who choose not to schedule 4th year electives during their 2 week break between 3rd-year-clinical rotations.

Course Faculty and Staff
- No faculty or staff.

Meeting Place and Time
Course Materials
NA

Additional Information
NA

Narrative Medicine and Medical Humanities
COM E 2 | 4th Year Elective | Comec Chapman Education Center | Basic Science

Prerequisites
None

Course Description
The course serves as an introduction to historical, sociological, and social ideas and topics that affect the practice of medicine. The general structure encourages students to develop ideas on reflective practice and to become reflective practitioners and learn how to apply the principles of narrative medicine to the physician-patient relationship. Narrative medicine is a field of medical humanities that privileges study of narrative as a means of developing and retaining physician empathy, of developing more effective physician-patient relationships, and of developing greater analytical and critical thinking skills. Much of the focus of narrative medicine is on understanding the patient story as a narrative, and teaching the study of narrative structure and the collection of detailed patient stories. In collection of a detailed story the physician then learns more about the patient that will be important in negotiating treatment plans, in increasing cultural competency, in maximizing psycho-social aspects of healing, and in maximizing physician self-care behaviors.

Course Faculty and Staff
- Nina Stoyan-Rosenzweig (Director)

Meeting Place and Time
CG-041, 1st Tuesday, 3rd and 4th Wednesday of the month at noon for 1st and 2nd year students.

Course Materials
Readings and films for discussion group are available in the Maren Reading Room, materials needed for project

Additional Information
1st, 2nd and 4th year students may sign up to take this elective. 1st and 2nd year students are expected to do the reading, attend patient discussions, and watch the movies, and attend a minimum of 9 discussions per semester, attend three special events, and write two reflective papers. The requirements for grading are different for 4th year students, whose schedule generally means grading will be based on assigned readings and related assignments, meetings, and completion of a project.
Neonatology - Jacksonville

PED E 8J | 4th Year Elective | Pediatrics | Clinical Science

Course Description

Learning comprehensive management of normal and critically ill neonates by assuming primary responsibility for their care including, but not limited to, the history and physical examination, formulating differential diagnoses and management, writing orders, arranging consultation and follow-up care, discussing plan with parents and other staff members, and conducting quality improvement and safety practices.

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Other Faculty)
- Chelsea Rountree (Course Staff)
- Dani Brown (Course Staff)
- Vanessa Martin (Course Staff)
- Josef Cortez MD (Director)

Meeting Place and Time

Pediatric Education office, 841 Prudential Drive, Suite 1130 - 11th floor, Aetna Building, Jacksonville 32207
8 a.m. - (Student will report to NICU, 6th floor Shands Jacksonville after checking in.)

Course Materials

Avery's Neonatology
Fanaroff and Martin- Diseases of the Fetus and Infant

Additional Information

Students will be assigned to the NICU at Shands/Jacksonville.
1 student per rotation with possibility of 2 students/rotation under special circumstances and with prior approval.

Neonatology Elective

PED E 3 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites

Grade of "B" or better in Pediatric Clerkship.

Course Description

COURSE GOALS: This course will provide an introduction to newborn intensive care that will include, but not be limited to:
1. An organized approach to the total care of complex, sick newborn patients.
2. An understanding of common neonatal respiratory disorders.
3. An understanding of neonatal fluid, electrolyte and nutritional support.
5. Neonatal invasive procedures.
6. Ethical issues in neonatal medicine.

Course Faculty and Staff

- David J Burchfield MD (Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time

NICU, 7:30am.

Course Materials

Recommended: Avery's Neonatology, Pathophysiology, and Management of the Newborn.

Additional Information

In-house call one night per week (will follow the 80-hour rule as established in the Department of Pediatrics).

Nephrology Consult Service - Jacksonville

MED E 6J | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites

4th year medical student

Course Description

Acute Nephrology Hospital Consult Rotation: Exposure to acute renal failure cases, acid-base & electrolyte disturbances, kidney transplant disorders, hemodialysis, peritoneal dialysis and continuous dialysis therapies, Work with Nephrology Team to care for patients with a large variety of different renal diseases.

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Other Faculty)
- Charles Heilig MD (Director)
- Dani Brown (Course Staff)
- Jessica McDonald-Jazrawi (Course Staff)

Meeting Place and Time

Fourth Floor Hemodialysis Unit, Clinical Center, at 0830 on first day of rotation.

Course Materials


Additional Information

Additional information provided at beginning of rotation.
Nephrology: Clinical Consult Service
MED E 1 | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites
4th year medical students

Course Description
This course will provide:
1. In-depth analysis and comprehensive teaching of fluid and electrolyte, and acid-based disorders
2. Daily teaching by Division of Nephrology fellows and faculty
3. Practical experience in the evaluation and treatment of inpatients with acute and chronic renal failure, hypertension, proteinuria and the nephrotic syndrome, fluid and electrolyte disturbances, and renal parenchymal disease
4. Inpatient management of patients requiring acute or chronic hemodialysis, hemofiltration, acute peritoneal dialysis, and continuous ambulatory peritoneal dialysis
5. The opportunity to observe and assist with invasive procedures, including percutaneous renal biopsy and internal jugular and femoral catheter placement
6. Outpatient experience in the management of patients with all forms of hypertension, chronic renal failure, fluid and electrolyte disturbances, systemic diseases with renal involvement, and the nephrotic syndrome.

Moreover, during this elective you will have the opportunity to perform and interpret renal ultrasonography. Point-of-care renal ultrasonography, performed by clinicians at bedside assists in the management of kidney injury by allowing rapid evaluation of hydronephrosis, nephrolithiasis and other major structural abnormalities. During your elective, you will work with a faculty member who will teach the basics of renal ultrasonography and lets you perform the procedure under supervision. The schedule for this is flexible, lasting about 2-3 hours per session and can be customized to the needs and interests of the student.

Course Faculty and Staff
- Amir Kazory MD (Director)
- Matthew Staehnke (Course Staff)
- Kayla Southerland (Course Staff)

Meeting Place and Time
Students should report to the Nephrology Office; CG-98; 9:00 AM on first day of rotation. Please contact the course director 2-4 weeks before initiation of your course (email: amir.kazory@medicine.ufl.edu)

Course Materials
Handouts and text book will be provided.

Neurology - Clinical Independent Study
NEUR CIS | 4th Year Elective | Neurology | Clinical Science
Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Neurology at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student.

Course Faculty and Staff
- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time
TBA

Course Materials
TBA

Additional Information
TBA

Neurology - Externship
NEUR EXT | 4th Year Elective | Neurology | Clinical Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the Department of Neurology. Students should complete the paperwork required from the institution where the rotation is requested and the “in-house” Externship Application at UF.

Course Faculty and Staff
- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time
TBA

Course Materials
Neurology - Independent Study

NEUR IS | 4th Year Elective | Neurology | Basic Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Neurology at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

Neurology - Jacksonville

NEUR E 1J | 4th Year Elective | Neurology | Clinical Science

Prerequisites

Scheduling of this course must first be arranged with the Office of Medical Education prior to entering it on your 4th year schedule.

Course Description

The rotation duration is from two to four weeks and is designed to enhance a student's knowledge of clinical neurology, but may be tailored according to student interests and professional plans. Thus, the rotation can also focus on specific clinical subspecialty interests. Students can rotate in the outpatient neurology clinic, inpatient consultation service and neurology ward and/or may work with individual faculty members in their specialty clinics.

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Other Faculty)
Meeting Place and Time
UF Health Neuroscience Institute; 580 W. 8th Street; Tower I; 9th Floor

Course Materials
Basic diagnostic tools are required:
- Reflex hammer
- Tunning fork

Neuroscience - Externship
NSC EXT | 4th Year Elective | Neuroscience | Basic Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the Department of Neuroscience. Students should complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time
TBA

Course Materials
TBA

Neuroscience - Independent Study
NSC IS | 4th Year Elective | Neuroscience | Basic Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Neuroscience at the University.
of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

Neuroscience Teaching and Review

NSC E 1 | 4th Year Elective | Neuroscience | Basic Science

Prerequisites

Completion of Clinical Neuroscience in 2nd year curriculum with a grade of 85% or better. TA must be available for most of the course, and should not miss more than 5 days in the 4 week course.

NOTE: Completion of the Becoming an Effective Resident elective (listed under Pathology) - BERT is required to receive credit as a TA.

Course Description

Neuroscience Teaching and Review is an elective for 4th year medical students who want to review and to teach the basics of Medical Neuroscience. Medical Neuroscience is designed to introduce students to the broad concepts involving: the principles of cellular neuroscience; the gross and microscopic organization of the central nervous system; functional systems; functional deficits following a CNS lesion; and higher cortical functions. Introductory clinical neuroscience concepts will be emphasized.

Course Faculty and Staff

- Maryam Rahman MD MS (Co-Director)
- Ronald Mandel Ph.D. (Director)
- Ashley Seymour (Course Staff)
- Louis A Ritz PHD (Co-Director)

Meeting Place and Time

North Learning Studio for lab and lectures

Course Materials
Additional Information

Students heading for neurology, neurosurgery, psychiatry or radiology are encouraged to take this elective. The course offers the opportunity to interact with residents in neurology and neurosurgery, and to share your experiences with the 1st year class.

Neurosurgery - Clinical Independent Study

NSU CIS | 4th Year Elective | Neurosurgery | Clinical Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Neurosurgery at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

Additional Information

TBA

Neurosurgery - Externship

NSU EXT | 4th Year Elective | Neurosurgery | Clinical Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the Department of Neurosurgery. Students should complete
the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

**Course Faculty and Staff**

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

**Meeting Place and Time**

TBA

**Course Materials**

TBA

**Neurosurgery - Independent Study**

NSU IS | 4th Year Elective | Neurosurgery | Basic Science

**Prerequisites**

UF 4th year medical student

**Course Description**

This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Neurosurgery at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

**Course Faculty and Staff**

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

**Meeting Place and Time**

TBA

**Course Materials**

TBA

**Neurosurgery Elective**

NSU E 1 | 4th Year Elective | Neurosurgery | Clinical Science

**Prerequisites**
Fourth year student.

Course Description

During the four week rotation, students will function as an integral part of the faculty led team caring for patients on the neurosurgery service at Shands Hospital at UF and the Malcolm Randall VA Medical Center. Students will be given a weekly schedule, including call days.

Rotating students are expected to demonstrate an enthusiasm for their work and an active interest in learning the nuances of advanced neurosurgical care. Students will round each morning with the resident and attending teams, and will then be encouraged to spend time in the operating room. Students will be expected to learn about neurosurgical conditions, their diagnosis, and treatment. Students will spend the majority of their time in the operating room participating in a wide breadth of neurosurgical operations. Students will also assist the junior and senior residents in direct patient care, in the neuro-intensive care unit and the neurosurgical floor. Students will spend at least two days in outpatient clinic during their time on the service. Opportunity will also be given to spend time in subspecialty areas and clinics, such as endovascular neurosurgery and stereotactic radiosurgery.

Students will attend the department's daily teaching conference. Weekly lunches will be scheduled with the rotating student and selected Faculty. During these lunches didactic topics will be covered, as well as general mentoring regarding career development in Neurosurgery. Students will also be encouraged to participate in departmental functions and social activities on an ad hoc basis.

Course Faculty and Staff

- Gregory Murad MD (Director)
- Ashley Kolosky (Course Staff)

Meeting Place and Time

Daily @ 7:00 a.m. in Neurosurgery Conference Room, UBG-552 (Ground Floor HVN - East Tower)

Course Materials

1. A course booklet including material covered in the tutorial series will be provided.

Additional Information

COURSE GOALS AND OBJECTIVES

1. General Skills
   (a) Clinical examination - To perform a competent neurological evaluation including relevant history and neurological examination.
   (b) Radiology - To understand the fundamentals of x-ray and computerized (CT, MRI) imaging of the spine and head, including normal and common pathological entities.
   (c) Emergent management - To understand the clinical manifestations of acute and chronic intracranial hypertension, as well as other neurosurgical emergencies (infection, spinal cord compression, trauma, etc.) and principles of emergency management.

2. Intracranial Disease
   (a) Head injury - To recognize the spectrum of mild, moderate and severe head injury and to diagnose and initiate its management.
   (b) Brain tumors - To understand the broad categories, presenting symptoms and management principles of brain tumors, including indications for surgical intervention and adjuvant therapies.
(c) Cerebrovascular disease - To differentiate common headache syndromes with emphasis on recognition, diagnosis and management of subarachnoid hemorrhage. To recognize presenting symptoms and signs of occlusive cerebrovascular disease, and general diagnostic and treatment strategies including indication for carotid surgery.

3. Spinal Disease
(a) Spinal trauma - To diagnose and initiate acute management of spine fracture, dislocation and spinal cord injury.
(b) Degenerative disease - To evaluate and initiate management of spinal degenerative disc and spondylotic disease, and to recognize neural compression syndromes and indications for surgical intervention.

4. Hydrocephalus.
(a) To identify signs and symptoms of hydrocephalus and know the management options in children and adults.

5. Peripheral Nerve Disease
(a) To diagnose and initiate the management of peripheral nerve injury and common nerve entrapment syndromes.

ACHIEVING THE GOALS AND OBJECTIVES

1. Clinical service
The neurosurgery service at Shands Hospital UF is divided into multiple services consisting of faculty, a senior resident, a junior resident and, on some services, an intern. Medical students will have the opportunity to work with all services over the 4 week rotation. The student will rotate through the services and will come under the direct mentorship of the senior resident for each service. The services are generally divided by subspecialty area, and allow a student to focus on one subset of neurosurgical disease, although all services also care for general neurosurgical patients.

During the rotation students may be assigned patients by the mentoring senior resident (usually 2 patients per week). The student is responsible for presenting these patients on morning rounds and is expected to complete all floor duties related to those patients including writing orders/daily notes etc. It is expected that the student is in communication with the resident members of his or her team throughout the day to be sure that all tasks related to the service are completed.

2. Daily Departmental Conferences
Neurosurgical conferences are held daily, Monday through Friday, from 7:00am to 8:00 am.

2. Daily Departmental Conferences
Neurosurgical conferences are held daily, Tuesday through Friday, from 7:00am to 8:00 am.
a) A review of the TTP cases is held the 1st and 3rd Tuesday morning (UBG-552).
b) Preoperative conference is held the 1st, 3rd and 4th Tuesday (UBG-552). Cranial and spinal cases are emphasized each week.
c) ABNS or ACGME Milestone conference is held the 1st Wednesday (UBG-552) and involves a resident presentation for ABNS Board review or Medical Knowledge milestone.
d) Grand Rounds / Wellness conference is held the 3rd Thursday morning (UBG-552) and involves a topic review.
e) Infection Task Force, Readmissions or Trended Outcomes / Didactic Seminar conference is held the 1st Thursday (UBG-552) and involves a detailed review of topic in alternating weeks.

f) Journal Club is (UGB-552) held monthly. The student will be provided with an article to critique and present.

g) Neuropathology conference is held the 3rd Friday morning of each month (UBG-552) and involves case presentations by the attending neuropathologist.

h) Brain tumor board is held every Tuesday afternoon at 4:00 pm (L2-101) and involves a multidisciplinary discussion of all brain tumors operated the previous week.

i) Epilepsy conference is held every Wednesday morning at 8:30 am (LG 116) and involves a detailed review of the preoperative data on epilepsy patients.

3. Tutorials

4. Neurosurgery Clinics

Students are expected to attend clinic on at least one Thursday at Shands, and one Tuesday at the VA. At this clinic the student will be assigned patients to interview, examine and present. Students are also invited to participate in any of the clinics listed on the timetable. During the final week of the rotation the student may be asked to interview a new patient for 45 minutes. The student will be assessed on clinical history and physical examination performance.

5. Emergency call

To obtain exposure to acute neurosurgical conditions it is expected that the student takes call on the same schedule as their senior resident mentor.

6. Operating room experience

Operating room attendance is encouraged and guidance as to which surgeries to attend should be obtained from the senior resident. All surgeries concerning patients for whom the student is responsible should be attended. Level of participation in the surgery is up to the attending present but where possible the student should be scrubbed in.

7. Oral presentation skills: The student is expected to perform a 15-minute presentation at morning conference in the final week of the 4 week rotation. This presentation may be about any neurosurgical or neuroscience topic. This is an opportunity for students to present research that they may be working on during or prior to medical school. Other options include interesting case reports or brief topic reviews. Faculty from the department are available to help in preparing this presentation.

Newborn Nursery, Winnie Palmer Hospital for Women and Babies / Orlando Health

PED E 36 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites

Fourth Year Medical Student

Student must call the GME Coordinators at APH for approval to take the course.

Sandra Ingram, 321-841-3715
Alex Arismendi, 321-841-2148

Course Description
During this four week rotation, the student will learn about the normal newborn infant and common problems experienced by the newborn, including jaundice, feeding problems, exposure to maternal sexually transmitted and infectious diseases. The student will become proficient in the newborn examination, anticipatory guidance, breastfeeding support, and discharge planning. The student is expected to participate in rounds and scheduled conferences and to develop and give a presentation on a newborn topic. The student is also expected to provide anticipatory guidance to families.

Course Faculty and Staff

- Arwa Saidi MD (Director)

Meeting Place and Time

Graduate Medical Education, Medical Education Building, 86 W. Underwood Street, 1st Floor Lobby, 8:00 a.m. (day one)

Course Materials

Patient care activities will take place in the normal newborn nursery at Winnie Palmer Hospital

Additional Information

Course Faculty and Staff Jamee Walters, M.D. David Skey, M.D., Adaobi Okobi, M.D., Hanane Dahoui, M.D., Jean Moorjani, M.D., Jaya Surujdyal, DO, Chief Residents

No Course Scheduled

COM E 7 | 4th Year Elective | Comec Chapman Education Center | N/A

Prerequisites

4th Year UF COM student

Course Description

This course listing should be used as a place holder in rotation blocks where there are not courses scheduled.

There are not credits associated with this entry.

Course Faculty and Staff

- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

NA

Course Materials

NA

Additional Information

NA
Non-surgical Orthopaedics and Sports Medicine

ORTH E 4 | 4th Year Elective | Orthopaedics | Clinical Science

Prerequisites

Satisfactory completion of third-year clerkships

Course Description

COURSE GOALS: To increase the student's knowledge of assessment and management techniques for outpatient musculoskeletal and sports medicine injuries. Students will rotate in non-operative orthopaedic clinics including the UF Runner's Clinic. Students will also have the opportunity to observe testing conducted on athletes in the UF Sports Performance Center as well as assist with sports related concussion evaluation and management. This course will emphasize appropriate history-taking, physical examination, radiologic testing, and treatment for patients with a variety of musculoskeletal problems and demonstrate the different approaches of surgical and non-surgical Sports Medicine specialists. This course is recommended for all students interested in treating musculoskeletal and sports injuries whether they are considering a career as a primary care physician or specialist.

Course Faculty and Staff

- Kevin R. Vincent MD, PhD (Director)
- MaryEllen Paulk (Course Staff)
- Jason Zaremski MD (Co-Director)
- Daniel Herman MD, PhD (Other Faculty)
- Kelli Craig Deas (Course Staff)

Meeting Place and Time

Second Floor of the Orthopaedic and Sports Medicine Institute on Hull Road, Monday - Friday 7:45 a.m. - 5:00 p.m.

Course Materials

Selected readings will be suggested by attending physicians regarding commonly treated Musculoskeletal and Sports Medicine Injuries.

OB/GYN - Clinical Independent Study

OBG CIS | 4th Year Elective | Obstetrics and Gynecology | Clinical Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Obstetrics and Gynecology at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This
application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

OB/GYN - Externship

OBG EXT | 4th Year Elective | Obstetrics and Gynecology | Clinical Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the Department of Obstetrics and Gynecology. Students should complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

OB/GYN - Independent Study

OBG IS | 4th Year Elective | Obstetrics and Gynecology | Basic Science

Prerequisites

UF 4th year medical student
Course Description
This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Obstetrics and Gynecology at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time
TBA

Course Materials
TBA

OMFS Anesthesiology
OMFS ANS | 4th Year Elective | Anesthesiology | Clinical Science

Prerequisites
Must be a dental resident

Course Description
This course should only be scheduled if you are a student participating in the Oral Maxillofacial combined program.

Course Faculty and Staff

- Ricky McHugh (Course Staff)
- Christopher Giordano MD (Director)
- Breaunna Sweet (Course Staff)
- Julie Veal (Course Staff)

Meeting Place and Time
TBA

Course Materials
TBA

OMFS Anesthesiology - Jacksonville
OMFS ANS J | 4th Year Elective | Anesthesiology | Clinical Science

Prerequisites
Must be a OMS resident

Course Description
This course should only be scheduled if you are a student participating in the Oral Maxillofacial combined program in Jacksonville.

Course Faculty and Staff
- Frank J Genuardi MD, MPH (Course Staff)
- Tirbod Fattahi MD, DDS (Director)
- Dani Brown (Course Staff)

Meeting Place and Time
TBA

Course Materials
TBA

Additional Information
TBA

OMFS Surgery
OMFS SUR | 4th Year Elective | Oral Maxillofacial Surgery | Clinical Science

Prerequisites
Open to any 4th year medical student and Oral and Maxillofacial Surgery residents in medical school

Course Description
This course provides clinical and didactic exposure to the surgical and nonsurgical management of various oral conditions including common dental diseases (caries and periodontal disease), maxillofacial trauma, oral and perioral pathology including cysts, benign and malignant tumors, oral soft tissue diseases, oral manifestations of systemic disease.

Course Faculty and Staff
- Patricia Carpenter (Course Staff)
- John Hardeman DDS, MD (Director)

Meeting Place and Time
D7-6 Administrative Office and OMFS Resident / Faculty Clinic. Initial start time is 8am. Once rotation is established you will report between 6-7am for patient rounding and lectures prior to start of clinic/OR.

Course Materials
Contact pcarpenter@dental.ufl.edu to set up rotation. Patty Carpenter, OMFS Admin phone: 352-273-6750 or direct: 352-273-6746.

Additional Information

See Dr. John Hardeman for more details. This is designed to be a hands-on course with limited didactic exposure but increased clinic and OR involvement. Initial contact: Patty Carpenter at pcarpenter@dental.ufl.edu to arrange rotation.

OMFS Surgery - Jacksonville

OMFS SUR J | 4th Year Elective | Oral Maxillofacial Surgery | Clinical Science

Prerequisites

Must be a dental student or 4th year medical student.

Course Description

Thorough and complete understanding of the anatomy and surgical techniques utilized in maxillofacial surgery. A great asset for students interested in ENT or Plastic Surgery careers.

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Other Faculty)
- Tirbod Fattahi MD, DDS (Director)
- Dani Brown (Course Staff)

Meeting Place and Time

8:00 AM - Student Coordinator's office - 3rd floor Faculty Clinic

Course Materials

Handouts

Ophthalmology - Clinical Independent Study

OPH CIS | 4th Year Elective | Ophthalmology | Clinical Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Ophthalmology at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student.

Course Faculty and Staff
Meeting Place and Time
TBA

Course Materials
TBA

Additional Information
TBA

Ophthalmology - Externship

OPH EXT | 4th Year Elective | Ophthalmology | Clinical Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the Department of Ophthalmology. Students should complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

Course Faculty and Staff

• Beth Magyari (Course Staff)
• Matthew Ryan MD, PhD (Director)

Course Materials
TBA

Ophthalmology - Independent Study

OPH IS | 4th Year Elective | Ophthalmology | Clinical Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Ophthalmology at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of
the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Course Materials

TBA

Orthopaedic - Clinical Independent Study

ORTH CIS | 4th Year Elective | Orthopaedics | Clinical Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Orthopaedics at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

Additional Information

TBA

Orthopaedic - Externship

ORTH EXT | 4th Year Elective | Orthopaedics | Clinical Science

Prerequisites

UF 4th year medical student
**Course Description**

This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the Department of Orthopaedics. Students should complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

**Course Faculty and Staff**

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

**Course Materials**

TBA

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**Orthopaedic - Independent Study**

ORTH IS | 4th Year Elective | Orthopaedics | Basic Science

**Prerequisites**

UF 4th year medical student

**Course Description**

This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Orthopaedics at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

**Course Faculty and Staff**

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

**Course Materials**

TBA

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**Orthopaedic Surgery & Rehabilitation - Jacksonville**

ORTH E 1J | 4th Year Elective | Orthopaedics | Clinical Science

**Course Description**

NA

**Course Faculty and Staff**

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

**Course Materials**

TBA
Meeting Place and Time
Orthopaedic Conference Room at 6:30 AM (morning report) on first day of rotation

Course Materials
Essentials of Musculoskeletal Care by Greene (AAOS book)

Additional Information
Non-University of Florida students should contact department coordinator prior to submitting application.

Otolaryngology - Clinical Independent Study
OTOL CIS | 4th Year Elective | Otolaryngology | Clinical Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Otolaryngology at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time
TBA

Course Materials
TBA

Additional Information
TBA
Otolaryngology - Externship

OTOL EXT | 4th Year Elective | Otolaryngology | Clinical Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the Department of Otolaryngology. Students should complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Course Materials

TBA

Otolaryngology - Independent Study

OTOL IS | 4th Year Elective | Otolaryngology | Basic Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Otolaryngology at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Course Materials

TBA

Otolaryngology - Surgical Elective
OTOL E 1 | 4th Year Elective | Otolaryngology | Clinical Science

Prerequisites
None

Course Description

COURSE GOALS:
1. To acquaint students considering careers in otolaryngology with the management of the most common otolaryngologic disorders they will encounter in their practice.
2. To better prepare students to independently manage patients with routine otolaryngologic disorders by allowing them to evaluate and treat such conditions under the supervision of a faculty member.
3. To review and enhance the student's knowledge of head and neck anatomy and to train students in the performance of a complete head and neck exam.
4. To educate students as to the proper utilization of otolaryngologic consultation.
5. To provide a detailed understanding of the management of obstructive sleep disorders, otitis, allergic rhinitis, sinusitis, hoarseness, tonsillitis, common head and neck cancers, and hearing problems via small group discussions and direct patient care.

Course Faculty and Staff

- Jennifer Brookins (Course Staff)
- Megan Hoffman (Course Staff)
- Deepa Danan MD (Director)

Meeting Place and Time

ENT Office, M2-228 on the first day of rotation. Megan will give you a schedule and needed materials.

Course Materials

Ear, Nose, and Throat Diseases: A Pocket Reference by W. Becker, H.H. Naumann, & C.R. Pfaltz

Additional Information

Must return any and all materials borrowed during your rotation by the last Friday.

4 week elective designed for students interested in pursuing otolaryngology as a career.

Outpatient HIV/AIDS Elective

MED E 42 | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites

Completion of third year medical school

Course Description

During the two or four-week Outpatient HIV/AIDS Elective, students will have exposure to HIV infected patients being treated longitudinally in a multitude of settings - hospital based clinics (UF Health and NF/SG VA), a Federally Qualified Healthcare Center (FQHC), and Florida Department of Health Clinics. Students will be part of a multidisciplinary team including physicians, pharmacists,
case managers, social workers, nurses and clerks providing primary and specialty care to these patients. The ambulatory HIV rotation will allow students to develop competencies in systems-based practice and interpersonal/communication skills by delivering care within a multidisciplinary team caring for chronically ill patients. Students interested in additional clinical exposure to OB and pediatric patients with HIV should contact the course director prior to registering for the course.

Course Faculty and Staff

- Christie Little (Course Staff)
- Gary Wang MD (Director)
- Jennifer Janelle MD (Other Faculty)
- Asmita Gupte MD (Other Faculty)
- Matthew Staehnke (Course Staff)

Meeting Place and Time

Students should contact Dr. Gary Wang at least 6 weeks prior to the first day of the rotation to arrange a daily schedule, meeting place, and time.

Course Materials

There is no required course material for this elective.

Additional Information

PARTICIPATING CLINIC SITES:

1. VA Infectious Diseases Clinic (NF/SG VA)
2. UF Health/Shands Infectious Diseases Clinic at Medical Plaza (3rd Floor Medical Specialties Clinic)
3. Azalea Health: 1213 Florida 20, Interlachen, FL 32148
4. Columbia County Health Department: 217 NE Franklin St, Lake City, FL 32055

Students may find the following resources helpful.
- Principles and Practice of Infectious Disease, Mandell, et. al., Current Edition
- Infectious Diseases clinical conferences and journal club
- VA HIV teaching rounds
- Department of Medicine Grand Rounds
- Up-to-Date
- HIVMA guidelines
- Florida/Caribbean AIDS Education and Training Center resources

Pain and Addiction

PSY E 10 | 4th Year Elective | Psychiatry | Clinical Science

Prerequisites

None

Course Description
COURSE GOALS: This course will provide:

1. A comprehensive assessment & treatment model that includes:
   a) physical factors (physical structures, "pain generators"),
   b) biologic (co-morbid illness, nutrition, addictive substances, non-addictive medications, opiates) and
   c) emotional / behavioral factors (mood, anxiety &/or addiction disorders; stress management, lifestyle adjustment).

2. A review of neuroanatomy and neurophysiology as it applies to acute and chronic pain, and nociceptive and neuropathic pain.

3. A review of the pharmacology of local anesthetics, analgesic drugs (both opioid and non-opoid), and adjunctive medications (antidepressants, anticonvulsants, etc.)

4. An introduction to the evaluation of patients presenting with chronic pain disorders, with particular attention to identification & management of comorbid mood, anxiety, sleep, &/or substance use disorders.

5. Development of comprehensive, multi-modal, individualized treatment plans pertinent to each patient unique combination of contributing factors.

Course Faculty and Staff

- Gary Reisfield MD (Co-Director)
- Terry Lemesh (Course Staff)
- Jacqueline Hobbs MD, PhD (Co-Director)
- William Hollifield MD (Director)

Meeting Place and Time

UF MOB at Springhill, 3rd floor; NW 39th Avenue; Gainesville, FL 32606 - Monday through Friday, 7:45 AM to 5:00 PM

Course Materials

1. The Selfish Brain; Robert L. Dupont, M.D.
2. The Biochemical Basis of Neuropharmacology; Cooper, Bloom and Roth
3. Select journal articles and online readings associated with particular cases, patient experiences
4. Wide variety of patient populations and treatment settings (FRC-Residential, FRC-Impaired Professional, Meridian, VA, VA-ambulatory, TPC Village (JAX), Gateway (Jax), Stewart Marchman (Daytona), outpatient pain and iatrogenic addiction programs and UF Student Mental Health

Additional Information

For more information please contact Terry Lemesh tjlemesh@ufl.edu 352-594-1870

Pancreas/Biliary Surgery

SUR E 20 | 4th Year Elective | Surgery | Clinical Science

Prerequisites
Successful completion of M3 surgical clerkship.

Course Description

This course is a clinical experience on the Pancreatic Biliary Service, to include exposure to the operating room, floor, and clinic.

Course Faculty and Staff

- Jose Trevino MD (Director)
- Ashley Beavers (Course Staff)
- Adela Van Antwerp (Course Staff)

Meeting Place and Time

Please contact the Surgery Education Office at 265-0916 for reporting instructions.

Course Materials

Textbooks and selective journal publications as assigned by attending during the rotation.

Pathology - Clinical Independent Study

PATH CIS | 4th Year Elective | Pathology | Clinical Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Pathology at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

Additional Information

TBA
Pathology - Externship

PATH EXT | 4th Year Elective | Pathology | Clinical Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the Department of Pathology. Students should complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Course Materials

TBA

Pathology - Independent Study

PATH IS | 4th Year Elective | Pathology | Basic Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Pathology at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Course Materials

TBA

Pathology Teaching Elective - Cardiovascular System
PSY E 2 | 4th Year Elective | Physiology | Basic Science

Prerequisites

Successful completion of the basic science curriculum

NOTE: Completion of the Becoming an Effective Resident elective (listed under Pathology) - BERT is required to receive credit as a TA.

Course Description

The purpose of this 2nd year course is to review pathologic manifestations of disease that affect specific organ systems and the laboratory alterations useful in diagnosis and following the course of disease. Students will participate in the Cardiovascular course as teaching assistants supervised by the Course Director or pathology faculty responsible for teaching the pathology of a particular organ system. Students will instruct/assist in laboratories and discussion groups; attend lectures and may participate in surgical or clinical pathology practice as appropriate for the topics being covered in the course; students may also elect to participate in improving teaching materials.

Course Faculty and Staff

- Peter Sayeski Ph.D. (Director)
- Michael Bruce (Course Staff)

Meeting Place and Time

Students will attend all of the scheduled laboratories and lectures while they are on this rotation. Other meetings will be scheduled as needed. Email Michael Bruce for details.

Course Materials


Additional Information

One way to learn is to teach. If you can teach a topic, you likely will need to master that topic through scholarship, reflection and integration. Take the challenge!

Pediatric - Clinical Independent Study

PED CIS | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Pediatrics at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student.
Pediatric - Externship
PED EXT | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the Department of Pediatrics. Students should complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Course Materials
TBA

Pediatric - Independent Study
PED IS | 4th Year Elective | Pediatrics | Basic Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Pediatrics at the
University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)
- Meghan Lopez (Course Staff)

Course Materials

TBA

Pediatric Cardiology

PED E 1 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites

Fourth year medical student

Course Description

This is a course in clinical pediatric cardiology. The goals are as follows:
1. Develop cardiovascular physical examination skills. Distinguishing an innocent murmur from structural congenital heart disease in an ambulatory clinical setting.
2. Develop an approach to the Diagnosis of the critically ill neonate with congenital heart disease by understanding a pathophysiological as well as an anatomical/morphological approach.
3. Understand oxygen transport as it is applied to congenital heart disease.
4. Develop skill in the interpretation of the pediatric electrocardiogram and chest roentgenogram. In addition, develop an appreciation for the diagnostic capability of echocardiography in the management of children with congenital heart disease.

This rotation will focus on outpatient evaluation of children with a variety of congenital heart lesions. These patients will be new referrals to Pediatric Cardiology and those patients returning for follow-up evaluation. Each student will see three to five patients during a half-day session and will be precepted by the cardiology staff involved in those clinics. This arrangement provides detailed one-on-one teaching with the staff cardiologist.

Students also attend teaching and patient care clinical conferences.

Course Faculty and Staff

- Jennifer Co-Vu (Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time
Human Development Bldg., Room HD313; Arrive at 7:30 AM on day 1 of the rotation. Call 352-273-5542 with any questions.

Course Materials
1. Introductory and reference textbooks of pediatric cardiology. We will provide core curriculum of articles for students’ initial review.
2. Personal instruction in physical examination using the cardiology patient simulator "Harvey" available.
3. Pathological demonstrations of common congenital heart lesions.

Pediatric Cardiology - Jacksonville
PED E 2J | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites
4th year medical students

Course Description
Students will spend one month with the Pediatric Cardiology faculty in Jacksonville. The experience will allow for broad exposure to problems in pediatric cardiology through direct patient contact in the cardiology clinic as well as observation in the echocardiography and catheterization laboratories and in the operating room. Each student’s month will be tailored according to their interests.

Course Faculty and Staff

- Jose A. Ettedgui MD (Director)
- Randall M Bryant MD (Other Faculty)
- Frank J Genuardi MD, MPH (Other Faculty)
- Robert F. English MD (Director)
- Stephanie Lacey DO (Other Faculty)
- Brandon Kuebler MD (Other Faculty)
- Thomas Moon MD (Other Faculty)
- Daniela Neagu MD (Other Faculty)
- Chelsea Rountree (Course Staff)
- Dani Brown (Course Staff)
- Andrea Kropf (Course Staff)
- Jason Ho (Course Staff)
- Amy Juraszek (Course Staff)

Meeting Place and Time
Pediatric Education Office, 841 Prudential Drive, Suite 1130 - 11th Floor, Aetna Building, Jacksonville, FL
8 a.m.

Course Materials
Syllabus of articles pertaining to congenital and acquired heart disease as well as rhythm disturbances will be given to students rotating on the elective.
Additional Information

Please contact Dr. Moon for questions regarding this course.

**Pediatric Critical Care (PICU) - Jacksonville**

PED E 1J | 4th Year Elective | Pediatrics | Clinical Science

**Prerequisites**

Completion of 3 years of medical school.

**Course Description**

Students are required to attend daily AM critical care rounds beginning 0700 hrs Mon-Fri; noon conferences; pediatric critical care conferences and weekly pediatric grand rounds.

**Course Faculty and Staff**

- Virgilio T. Saldajeno Jr. MD (Other Faculty)
- Frank J Genuardi MD, MPH (Other Faculty)
- Jose Irazuzta MD (Other Faculty)
- Solange Benjamin-Thorpe MD (Other Faculty)
- Michael O Gayle MD (Director)
- Javed Akhtar MD (Other Faculty)
- Jason Scimeme MD (Other Faculty)
- Shamsur Chowdhury MD (Other Faculty)
- Chelsea Rountree (Course Staff)
- Dani Brown (Course Staff)

**Meeting Place and Time**

Pediatric Education office, 841 Prudential Drive, Suite 1130 - 11th floor, Aetna Building, Jacksonville 8 a.m.

**Course Materials**

Students are encouraged to review pediatric critical care material in textbooks such as The Textbook of Pediatric Care-Editor: Rogers et al, the PICU resource folder on The PICU computer and distributed handout material.

**Additional Information**

The student is encouraged to take 1-2 night calls during the rotation and one weekend day for 6-8 hours. Students will be assigned to the PICU from 7-4 weekdays and may wish to stay longer with residents and physician assistants for interesting cases.

**Pediatric Critical Care Medicine**

PED E 11 | 4th Year Elective | Pediatrics | Clinical Science

**Prerequisites**

Successful completion of 3rd year pediatrics clerkship
Course Description

COURSE GOALS:
1. The student will become familiar with a systematic approach to recognizing, assessing, and stabilizing the critically ill child.
2. The student will gain experience in some of the technical aspects of caring for the critically ill child, including venous access, arterial access, airway management, and critical care ultrasound. This also includes knowing the indications and contraindications for interventions and understanding how to interpret laboratory and physiologic data.
3. The student will gain experience in assisting in the care of postoperative children.
4. The student will gain experience with applied physiology and pharmacology of all organ systems, with special emphasis on the central nervous, cardiovascular, renal and respiratory systems.

Course Faculty and Staff

- Torrey D. Baines MD (Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time

Shands PICU, 0730 to 1700 daily, with optional call responsibility. Brief orientation after rounds on the first day. Call PICU Fellow cell phone at (352) 494-8383 if directions needed.

Course Materials

Standard textbooks on pediatric critical care medicine are available within the intensive care unit. Key articles are located in the 'Library' folder on the PICU shared drive. In addition, students are expected to use the online Health Science Library resources to look for evidence-based articles on topics and the online pharmacy information.

Additional Information

There is an ICU attending, an ICU fellow and a pediatric resident in the unit every night providing supervision and teaching.

Pediatric Diabetes Camp

PED E 22 | 4th Year Elective | Pediatrics | Clinical Science

Course Description

Students will live in cabins with campers with type 1 diabetes and experience a variety of activities with the campers. Students will shadow medical staff and participate in responsibilities include insulin dosing, helping with food choices at mealtimes, quality control of glucometers, troubleshooting insulin pump dosing and problems, as well as glucose checks during the day and overnight. Students will have hands-on experience with the daily management of diabetes in children and teens, and observe the importance of play and social attachment in children with chronic medical conditions. Students will learn a tremendous amount about the management of type 1 diabetes while having fun!

Course Faculty and Staff

- Elizabeth Fudge MD (Director)
Meghan Lopez (Course Staff)

Meeting Place and Time
Session 1: Orientation and Camp July 12-22
Session 2: Orientation and Camp: July 26 - August 4

Course Materials
Textbooks and reference materials will be available at medical facilities

Pediatric Emergency Medicine-Jacksonville
EMD E 1J | 4th Year Elective | Emergency Medicine | Clinical Science

Course Description
NA

Course Faculty and Staff
• Dani Brown (Course Staff)

Meeting Place and Time
Scheduled with preceptor

Course Materials
Pediatric EM Resident Manual and orientation powerpoint presentation
Full complement of PEM Textbooks available
Broselow-Luten Dosing Guide and related materials
Interactive educational CD ROM
PEM web-based radiology case files
Literature compilation on PEM available

Additional Information
Conferences for students from Pediatric resident, emergency medicine resident, and pediatric emergency medicine fellowship conference schedule where applicable.

Pediatric Endocrinology/Diabetes Clinical Clerkship
PED E 8 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites
4th year medical student

Course Description
Endocrinology Elective: Goals

The goal of this elective is to allow the resident or student to acquire sufficient familiarity with common pediatric endocrine problems to deal with them intelligently at the general pediatric level.
including an appreciation of the range of normal variation in growth and development and when referral to a pediatric endocrinologist is indicated.

Successful completion of the elective should allow you to approach the pediatric shelf examination with confidence and meet long-term professional career goals. By completing the elective in pediatric endocrinology you should not expect to become proficient in the field. Nevertheless, by participating in the various activities of the division in the hospital, in outpatient clinics, and in diabetes summer camping and weekend retreat programs, the resident will be exposed to a diversity of pediatric endocrine problems.

In clinic you will work with diabetes educators, nutritionists, research coordinators, and members of the Psychology department who assist in difficult psychosocial cases. You are encouraged to talk to all personnel associated with the multiple aspects of our clinical and research practice to learn more about pediatric endocrinology. You will be expected to interact courteously and professionally with all team members (professionalism, communication).

In order to ensure that all residents have adequate exposure to all aspects of pediatric endocrinology, residents or students attending diabetes camp (July or August) will be asked to separate their rotation into 2 week blocks such that they will have 2 weeks of the rotation during a non-camp month. We will work with you as well as the chief residents and medical school to coordinate your rotation for the best possible educational experience.

The Division of Pediatric Endocrinology has produced a detailed curriculum which will introduce you to the field of pediatric endocrinology. You will be expected to read the curriculum and engage in further reading/literature searches as needed for patient care and to satisfy your curiosity.

You will be given a copy of Styne’s Pediatric Endocrinology to use as your primary reading source during the rotation. This must be returned before you complete the rotation. You are strongly encouraged to read this brief review of pediatric endocrinology in its entirety during your rotation. (PBL, medical knowledge, professionalism).

A. Specific Objectives
Residents and students taking this elective will be expected to attain the necessary skills to manage common pediatric endocrine problems. The endocrine syllabus has been divided into three categories in which different degrees of expertise are expected at the termination of the rotation. These are: Highly competent, i.e. the resident should acquire detailed knowledge of the topic and be able to diagnose and manage most patients with this condition and recognize those requiring referral for definitive diagnosis and treatment. Competent, i.e. the student should acquire general knowledge of the condition and be able to diagnose and treat with consultative help. Aware, i.e. the resident or student should be aware of the condition but should refer the patient to the subspecialty service for evaluation and management.

1. Highly Competent
Short stature
Failure to thrive
Obesity
Puberty-normal variations
Adrenarche
Thelarche
Gynecomastia
Delayed puberty
Nutritional rickets
2. Competent
Childhood goiter
Congenital hypothyroidism
Acquired hypothyroidism
Precocious puberty
Cryptorchidism
Turner syndrome
Klinefelter syndrome

3. Aware
Diabetes mellitus in children
Education of the family of a newly diagnosed patient
Outpatient management
Diabetic ketoacidosis
Complications of diabetes
Adrenal insufficiency
Congenital adrenal hyperplasia
Hypoglycemia
Cushing syndrome
Growth hormone deficiency and therapy for non-GH deficiency states
Thyroid nodules, carcinoma
Disorders of the adrenal medulla
Adrenal and gonadal tumors
Endocrine hypertension
Ambiguous genitalia
Epidemiology, etiology, and prevention of Autoimmune endocrinopathies
Disorders of calcium, phosphate, and Vitamin D (other than nutritional rickets)
Parathyroid deficiency states
Hyperparathyroidism
Metabolic bone disease
Neonatal calcium and phosphate disorders
Disorders of water balance
Diabetes insipidus (central, nephrogenic)
SIADH
Hyperlipidemia

B. Specific Learning Experiences

1. Inpatient Service
You will be expected to follow patients on the inpatient and consult services. Student should pre-round on inpatients and consults so that rounds flow smoothly and there is time for teaching. Students are expected to be on time for rounds. Students are expected to present their patients accurately and concisely. Students are expected to read about their patients and participate actively in rounds. The attending on service will coordinate with the resident and the on service fellow how inpatients and consults will be assigned. (professionalism, practice based learning, medical knowledge, patient skills).

2. Outpatient Clinics
Clinic experiences are available all day Monday, Tuesday afternoon, all day Wednesday, and Friday
morning (see Schedule below). Students will be expected to be on time for clinics. Clinic attendance will be the primary focus of the elective as the majority of pediatric endocrinology involves outpatient work-up. Students will be working under the direction of an Attending Physician. Patients will be put into rooms by the Nurse. Take this time to review the chart. Students should refrain from discussing the patient or reviewing the chart in any general area. Make sure that the door is closed in the Clinic Conference Room when patients are being discussed. (PBL, medical knowledge, professionalism)

Patients should be seen promptly and courteously. Residents will identify themselves to the patient, obtain the history and perform the physical examination, and present to one of the clinic Attendings who will review the history and physical findings with the patient/patient's family. Residents are expected to dictate all Endocrine patients. Students will not be required to dictate. Residents are expected to dictate all new Diabetes patients. Residents and students should fill out a clinic note on returning Diabetes patients, but do not need to dictate them. Please dictate/write up charts promptly-at the end of the day at the latest (professionalism, PBL, patient skills).

3. Nutrition

In the first week of the rotation, residents should schedule a session with our nutritionist to discuss the nutritional aspects of Diabetes and Obesity with a focus on carbohydrate counting and low fat diets (medical knowledge).

4. Diabetes Education

In the first week of the rotation, residents should schedule a session with one of the C.D.E.’s to discuss practical aspects of diabetes management. Attending the education session for a newly diagnosed diabetes patient is a priority and will be encouraged in lieu of attending clinic. This session should include discussions on the various types of meters, insulin delivery devices, etc. (medical knowledge).

5. Referrals to the Endocrine Service

Every Tuesday morning, residents will review with the attending the previous week’s referrals to the endocrine service. Residents will be expected to make recommendations as to whether/how quickly the new referrals should be seen based on a review of the chart and reading (PBL, medical knowledge).

6. Fellow's Journal club

Residents should attend the monthly fellows’ journal club (Tuesday noon to 1:30PM). Residents will be expected to have read the articles assigned by the attending (medical knowledge, PBL).

7. Fellow's Core Conference

Students and Residents are expected to attend the weekly Core Conferences (Thursday noon to 1:30) where a didactic lecture will be given by a fellow or attending related to an important topic in pediatric endocrinology. We recognize the potential conflict with the Core lecture series of the Residency Program, so the decision on which lecture to attend will depend on the lecture topic and the interests of the resident.

8. Student Pediatric Endocrine Presentation

The last Thursday of the rotation, students are expected to present a 30 minute review of a topic which was of interest during the rotation. The presentation should include a short literature review of the topic (PBL, medical knowledge).

9. Endocrine Testing

Early in the rotation, residents should acquire a familiarity with provocative hormone testing by observing/assisting with a test. These are usually scheduled for Monday and Friday mornings during Endocrine Clinic (PBL, patient skills, medical knowledge).
10. On Call
Residents/Students will be expected to be on call an average of every fourth night during the rotation. Call will be from home. Residents will not directly get phone calls from patients or physicians. These will go to the fellow/attending on call. Residents/students will be notified if the fellow/attending has to go to the ER/hospital and will be expected to meet the fellow/attending and participate in the evaluation and treatment of the patient. If the resident is sleep deprived from having had to come to the hospital, she/he should notify the attending by 8 AM so they can be relieved of their duties for the day.

Students will be evaluated by all pediatric endocrine attendings with whom they have had contact and with the Division nurses/nutritionists with whom they have worked.

C. Weekly Schedule
These are guidelines and flexibility is possible within the schedule

Monday
- 7:30 AM In-patient rounds
- 8:00 AM Endocrine clinic
- Noon 1st and 3rd Monday Endocrine conference for in-patient resident team (44 conference room)
- 1:00 PM Diabetes clinic

Tuesday
- 8:00 AM M morning report followed by in-patient rounds
- 8:30 AM Laboratory follow-up/inpatient rounds
- 12:00 Journal Club (once per month)
- 1:00 PM Obesity/lipid clinic
- 1:00 PM (1st & 3d Tues) diabetes clinic

Wednesday
- 8:00 AM Diabetes clinic
- 1:00 PM Diabetes clinic- every other week

Thursday
- 8:00 AM Morning report
- 8:30 AM In-patient rounds
- 10:00 AM Teaching conference
- 12 noon Core conference

Friday
- 7:30 AM inpatient rounds
- 8:00 AM Grand Rounds
- 9:00 AM endocrine clinic

Outreach clinic: Daytona Beach by telemedicine every other week, with annual visit for 2 days

We welcome you to our Department and hope to make this a fun and instructive month for you. Please feel free to approach any of us with questions, concerns or suggestions.

Course Faculty and Staff

- Elizabeth Fudge MD (Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time
Pediatric Subspecialty Clinic at Medical Plaza, 0830 or Pediatric morning report at 0800. An e-mail will be sent to you the Thursday prior to your first day with instructions for the first day of clinic.

Course Materials

1. Core curriculum presentations and associated key articles are available online<br>&lt;Y:\USERS\ENDO\Pediatric Endocrine Core Lectures&gt;

2. Textbooks in pediatric endocrinology are available in faculty offices and you will be provided a pediatric endocrinology review book to use during the rotation

Additional Information

*A new course will be offered for students wishing to be counselors at the Diabetes Camps. Diabetes camp sessions are:
July 13 - July 23 Session 1
July 27 - August 5 Session 2
*Orientation is the first 2 days of each session and there can be some flexibility on these dates if you have other course conflicts

Pediatric Hematology/Oncology

PED E 5 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites

3rd Year Pediatrics

Course Description

COURSE GOALS: This is a primarily outpatient based elective. The student will attend pediatric hematology/oncology clinic on unit 41 5 days per week. There, s/he will see patients in conjunction with the attending physician, perform exams, and establish a treatment plan. There will be a wide variety of patients to be seen including those with malignancies on treatment or following completion of treatment, children and adolescents with benign hematology problems including anemia, sickle cell anemia, hemophilia and other disorders. New consults will also be seen in clinic and/or the inpatient hematology/oncology/stem cell transplant service. The student will participate in the regular conferences of the Division.

Course Faculty and Staff

- William B Slayton MD (Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time

Unit 41 and Pediatric Inpatient Service 8:00am - 5:00pm, Monday-Friday.

Additional Information

No required on-call responsibilities.

Pediatric Infectious Diseases
**Course Description**

**COURSE GOALS:** The student will evaluate pediatric patients admitted to the inpatient service with infectious disease problems as well as those patients for whom consultations are requested by other services. He/She will discuss the patients with the inpatient attending, review pertinent literature and write consultation or service notes. Additional experience includes attendance in clinics held each Monday [Infectious Diseases], Wednesday [HIV / AIDS], and Thursday [Infectious Diseases / Travel Clinic]. He/She will be expected to see new and return patients independently, including obtaining history and physical examination, and then present their findings to the clinic attending. Review of the literature regarding interesting patients is expected. He/She is expected to read about common topics in these areas during the rotation.

**Goals Objectives Competencies**

Key: P=Professionalism, MK=Medical Knowledge; PC=Patient Care; IC=Interpersonal Communication; SBP=System Based Practice, PBLI=Practice-based Learning & Improvement

**Goals for Pediatric Infectious Diseases**

- To gain a working knowledge of how to approach, evaluate and manage patients with infectious diseases. (PC,MK)
- To understand how a consultation service provides patient care. (PC,MK,IC)
- Work up new patients in outpatient clinic (second year). (PL,MK)
- Develop a greater understanding of how to use anti-infective and anti-inflammatory medications, and passive and active immunizations in the treatment and prevention of infectious diseases. (PC,MK,SBP)
- Develop skills as a life-long learner relative to infectious diseases using information sources, and evidence-based medicine data and principles (MK, PBLI)
- Develop skills as a physician teacher (IC,P)

**Objectives for Pediatric Infectious Diseases**

- Complete 4-8 inpatient consultations (written or dictated) and follow them as the primary consultant re: follow-up, communicating with and teaching other students/residents involved the case. (PC,MK,IC)
- Complete 3-4 outpatient consultations. (PC,MK)
- Research at least one topic (of your own interest) related to ID to present to the group. (MK,PBLI)
- Prepare and give a 10-15 minute didactic presentation (with the help of the Faculty) to the Blue Team as part of their ID education (MK, PBLI)
- Complete at least one - Evidence-based Medicine search, identify one appropriate EBM article, analyze it and present your analysis to the attending / ID team. (MK,PBLI)
- Prepare a case in Morning Report Format with specific objectives for discussion and have a brief (<10 minute) summary/discussion in response to the important aspect(s) of the case (MK,PBLI)

**Specific Topics to be addressed**

1) Antimicrobial Therapy - decision making, choices, potential side effects, risks/benefits
2) Antiviral Therapy - indications, decision making, potential side effects, risk/benefit
3) Antifungal Therapy - indications, decision making, potential side effects, risk/benefit
4) How to use the Red Book - what information is in there
5) How to use an antibiotic handbook and learn from it The Sanford Guide to Antimicrobial Therapy
6) The "Standard" ID Evaluation and Work-up
7) Approach to FUO
8) Complications of "Routine" or Common Infections in Children
9) Approach to the Evaluation of a Child with "Too many infections!"
10) How to receive / give the best ID consult and how to use your consultant
11) Identification/characterization of pediatric patients at high risk for infection (e.g. CF, neonates/premature infants, Immune deficiency, Immune suppression, etc.)
12) Active and Passive Prophylaxis for "High Risk Patients"
13) Evaluation and Management of Neonatal HSV Infection
14) Evaluation and Management of Pediatric HIV Infection
15) Prevention of Perinatal HIV Transmission - the pediatrician's role

Course Faculty and Staff

- Robert M Lawrence MD (Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time

Human Development Building Rm 216, 8:00am Monday-Friday.

Course Materials

1. Textbooks available in division.
2. Library/Internet search as needed.
3. Recommended Bibliography

Additional Information

Student is expected to give a 20- 30 minute presentation (knowledge or information about a condition, disease process or medical treatment / intervention by the end of rotation on an area of interest in Rheumatology, ID, or Immunology. A separate EBM presentation will also be expected --> clinical scenario, PICO question, literature search and analysis of the EBM paper and its applicability to the original clinical scenario.

Pediatric Infectious Diseases and Immunology - Jacksonville

PED E 5J | 4th Year Elective | Pediatrics | Clinical Science

Course Description

This rotation exposes the medical student to a variety of pediatric infectious diseases and immunocompromised patients in the hospital and outpatient settings. It allows first-hand clinical work supervised by faculty and fellows at various inpatient settings at Wolfson Children's Hospital (i.e. general floors, pediatric and neonatal intensive care units) as well as pediatric infectious diseases outpatient clinics including the general pediatric infectious diseases clinic, HIV Program and TB clinics. The student will have the opportunity to join faculty members at the University of Florida.
Center for HIV/AIDS Research, Education and Services (UF CARES) program and the Duval County Health Department’s weekly Pediatric Tuberculosis Clinic. During the Rotation the student will attend various didactic conferences including monthly HIV and weekly Grand Rounds, weekly Fellow conferences, monthly Microbiology Laboratory Rounds, monthly Infectious Diseases/Microbiology conferences, monthly Research Seminars, weekly HIV 101 lecture series, quarterly fellow research and QI meetings, and annual visiting professorships and Infectious Diseases Conferences.

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Other Faculty)
- Mobeen H Rathore MD (Director)
- Ana Alvarez MD (Other Faculty)
- Ayesha Mirza MD (Other Faculty)
- Nizar Maraqa MD (Director)
- Ann Usitalo PhD (Other Faculty)
- Laura Armas MD (Other Faculty)
- Mallaeswari Ravi MD (Other Faculty)
- Chelsea Rountree (Course Staff)
- Dani Brown (Course Staff)

Meeting Place and Time

Pediatric Education office, 841 Prudential Drive, Suite 1130 - 11th floor, Aetna Building, Jacksonville 8 a.m.

Course Materials

Textbook of Pediatric Infectious Diseases - Editors: Feigin, Cherry, Demmler and Kaplan; Principles and Practice of Pediatric Infectious Diseases - Editors: Long, Pickering and Prober; Infectious Diseases of the Fetus and the Newborn Infant - Editors; Remington and Klein; Pathology of Infectious Diseases - Editors: Connor, Chandler, Schwartz, Manz and Lack

Red Book (AAP) - Editor: Pickering

Pediatric Nephrology and Rheumatology - Jacksonville

PED E 7J | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites

Fourth-year medical student

Course Description

The Division of Pediatric Nephrology and Rheumatology in Jacksonville cares for a large number of patients with acute and chronic diseases that involve the kidney and the collagen vascular system. The Division covers inpatient consultation in the general pediatric floor as well as in the nursery and pediatric intensive care units. We also care for patients with end stage kidney disease on dialysis or post kidney transplant. We have a large outpatient clinic caring for variety of renal and rheumatologic disorders.

By the end of this course, the students will become familiar with common renal and rheumatologic diseases including pediatric hypertension, hematuria, proteinuria, nephrotic Syndrome,
Glomerulonephritis, fluids and electrolytes, renal replacement therapy, juvenile rheumatoid arthritis, lupus and dermatomyositis, etcetera.

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Other Faculty)
- Asad A Tolaymat MD (Director)
- Dani Brown (Course Staff)
- Mohammad Ilyas MD (Other Faculty)
- Chelsea Rountree (Course Staff)
- Samantha Lawson (Course Staff)

Meeting Place and Time

Pediatric Education office, 841 Prudential Drive, Suite 1130 - 11th floor, Aetna Building, Jacksonville 8:00 a.m.

Course Materials

TBA

Pediatric Neurology

PED E 25 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites

4th year medical student with successful completion of pediatrics as a 3rd year

Course Description

The overall goal is to learn the skills needed to care for children with a wide range of neurological disorders.

Goals and objectives
1. Participate in the management of in-patients under the direct supervision of more senior residents and attending physicians, both on the general Pediatric Neurology services and on the specialized services (Intensive Care Unit or Emergency Room). (Patient care)
2. Learn to obtain a comprehensive history and perform an appropriate general physical and neurological examination, localizing the neurological problem, generating an appropriate differential diagnosis, and developing a cost-effective plan for the further evaluation and management of the patient. (Patient care)
3. Master communication skills and appropriate medical knowledge for your level of expertise. (Patient care)
4. To have opportunity each week, as part of the Grand Rounds experience, to witness a staff physician interview and examine a patient, and discuss the differential diagnosis, and management of the case. (Patient Care)
5. During the rotation, the student will have opportunities available to learn neurosciences, focused on the full spectrum of neurological disorders, their management and the possibilities for related clinical research. The student may participate in didactic and clinical conferences, including Journal Club, research conferences, Neuroradiology conferences, Electrophysiology conferences, Clinical Case Conferences. One attending physician will present to the student live cases seen over the
previous weeks to assess and mold the trainees’ thinking processes. (Medical Knowledge)
6. Meet with the attending physician to hold patient-based clinical teaching rounds each day. (Medical Knowledge)
7. Expected to communicate with other team members to discuss the patients admitted to hospital. The medical students will be expected to read in detail about the disorders in patients for whom they have cared. Each medical student will also be expected to present a challenging neurological case at a monthly Friday Pediatric Neurology Conference. The live case-based rounds conducted each week, as part of the Neurology Grand Rounds, allows for vigorous group interaction in order to optimize patient care. (Practice-based Learning)
8. Have the opportunity to observe attending physicians obtain histories, perform examinations, and discuss impressions and plans with families, such as in the live patient part of weekly Neurology Grand Rounds. This permits role modeling. Conversely, the students will be observed in their history taking and development of rapport with children/patients. They will be observed in the inpatient service, intensive care unit, emergency room, and consultation settings. The approach to patients also is emphasized to foster their sensitivity to young children. The importance of developing interpersonal skills and open communication is emphasized in an on-going, daily basis by all staff members. (Interpersonal and communication skills)
9. Ethical issues and sensitivity to diverse patient populations are continually monitored by attending physicians, a point that cannot be overemphasized at a Center with as much patient population diversity as is seen at Shand’s Hospital-University of Florida. The medical students will also be expected to treat with sensitivity and respect all physician extenders (Register nurses, Advanced Register Nurse Practitioners), nurses, para-professional personnel, secretaries on all the in-patient services and outpatient services. (Professionalism)
10. To review practice guidelines, found in part on the Child Neurology Society website and the American Academy of Neurology website, with child neurology staff physicians. (System-based practice)

Suggested textbooks and reading materials

Course Faculty and Staff
- Peter Kang MD (Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time
Pediatric Neurology offices, Human Development Building Room 402 or 403, 8:30am on the first day of the rotation.

Course Materials
Reading material will be recommended by the faculty

Additional Information
Email Dr Peter B. Kang and Sarah Slysofski at least 2 weeks before start of the elective.
Pediatric Neurosurgery - Jacksonville

NSU E 2J | 4th Year Elective | Neurosurgery | Clinical Science

Prerequisites

Fourth year student with successful completion of pediatrics as a third year student.

Course Description

This rotation is designed to familiarize the student with a wide range of pediatric neurosurgical conditions encountered in infants, children and adolescents, as well as in prenatal conditions. Medical students must learn the basic concepts of pediatric neurology, neuroanatomy, and neurosurgery, with the desire to develop the ability to diagnose and understand the basic mechanism underlying neurosurgical diseases in infants, children and adolescents, and formulate a logical plan of treatment.

During the two to four week rotation, students will function as an integral part of the faculty led team caring for patients on the pediatric neurosurgery service at Wolfson Children's Hospital (WCH) and UF&Shands Jacksonville. Wolfson Children's Hospital is a tertiary regional children's hospital that treats children from northern Florida and southern Georgia. The UF Division of Pediatric Neurosurgery provides comprehensive care to children with all types of neurosurgical diseases with four fellowship trained pediatric neurosurgery faculty members. It also serves as a training site for the Mayo Clinic Jacksonville neurosurgery resident program.

Rotating students are expected to demonstrate an enthusiasm for their work and an active interest in learning the nuances of advanced pediatric neurosurgical care. Students will round each morning with the resident and attending teams, and will then be encouraged to spend time in the operating room. The student will have opportunities to acquire knowledge, skills, values, and attitudes in pediatric neurosurgery as well as participate directly in the care of patients with a vast array of clinical conditions that include, but are not limited to: surgical management of epilepsy, surgical correction of congenital disorders of the spine and cranium, surgical/radiosurgical treatment of brain tumors, and the surgical management of cerebrovascular diseases such as strokes and Moyamoya disease in children.

The faculty of the UF Division of Pediatric Neurosurgery at the University of Florida Health Science Center Jacksonville believe the Key Success Factors include, but are not limited to:

1. The development of excellent communication skills with the parents/caregivers of children. (P, PC, IC)
2. Learning to perform an adequate pediatric neurological/neurosurgical examination in infants, children and adolescents. (P, PC, IC)
3. Know what neurodiagnostic tests are required and are cost-effective, as well as efficient in the decision making process for each individual patient. (PC, MK, SBP)
4. This will be performed by, but not limited to fetal ultrasonography and magnetic resonance imaging, and computed tomography and magnetic resonance imaging in infants, children and adolescents. (PC, MK, SBP)

[P = professionalism; MK = medical knowledge; PC = patient care; PBL = problem based learning; IC = interpersonal skills; and SBP = systems based practice.]

Course Faculty and Staff

- Philipp R. Aldana MD (Director)
Pediatric Palliative and Hospice Medicine - Jacksonville

PED E 29 | 4th Year Elective | Pediatrics | Clinical Science

Course Description

This rotation exposes the medical student to the interdisciplinary approach to caring for pediatric patients with chronic and life-limiting medical conditions across the care continuum. The student will be a part of the different teams caring for these children and their families at different points in their journey including: in-patient acute care hospital (Wolfson Children’s Hospital), the medical home (Bower Lyman Center for Medically Complex Children) and within the community (Community PedsCare). The student will have the opportunity to participate in goals of care family meetings with the inpatient consult service. The student will be able to follow patients longitudinally from the hospital to home and to outpatient clinic visits. The student will be paired with an interdisciplinary team from the Community PedsCare Program and conduct home visits including child life, psychosocial and chaplaincy support.

Course Faculty and Staff

- Chelsea Rountree (Course Staff)
- Dani Brown (Course Staff)
- Kelly Komatz MD (Director)
- Jeffrey Goldhagen MD (Other Faculty)

Meeting Place and Time

Pediatric Education Office, 841 Prudential Drive, Suite 1130-11th floor, Aetna Building, Jacksonville FL 8 a.m.

Course Materials
Additional Information

This is designed to learn about caring for complex pediatric patients who are living with chronic medical conditions. The rotation is mostly clinical with some consults in the local children's hospital. You will learn about the systems of care necessary to care for these children outside of the hospital setting.

Pediatric Pulmonary Medicine

PED E 17 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites

4th year medical student

NOTE - This course will not be offered for the 2016/2017 academic year.

Course Description

This elective is based on inpatient and outpatient experience with children followed by our service for chronic and acute respiratory problems. The student will attend the pediatric pulmonary clinic, see patients on the inpatient service, and in consultation with other clinical services. Based on the student's preferences, the time spent on each of these can be adjusted. There will be a wide variety of patients, including infants and children with cystic fibrosis, asthma, congenital lung malformations, and chronic lung disease of infancy. Students will be introduced to pulmonary diagnostic tests such as pulmonary function testing, flexible bronchoscopy, sleep studies and radiologic evaluation of lung disease. The student will participate in the regular conferences of the Pulmonary Division, where he/she will interact with a multi-disciplinary team involved in the care of children with lung disease.

Course Faculty and Staff

- Meghan Lopez (Course Staff)
- Dima Ezmigna MD (Director)

Meeting Place and Time

Room D2-15 (Pediatric Pulmonology office)
8:30 am on first day of rotation

Additional Information

NOTE - This course will not be offered for the 2015/2016 academic year.

Please contact Brenda Martin at 273-8380 the week before your rotation so that she can prepare a set of articles and CDs to be used during the elective.

Pediatric Renal Clinical Rotation

PED E 2 | 4th Year Elective | Pediatrics | Clinical Science
Prerequisites
4th year medical student

Course Description
The student will evaluate new patients and/or interesting return patients during morning clinics each week. He/She will be asked to see the consultations on the Inpatient Service and to perform a literature search on the patient problem. All patients will be reviewed with the pediatric renal attending. The student will attend daily round and conferences with the pediatrics renal attending. At least one patient will be reviewed with the student daily. The student will be encouraged to review pertinent literature as related to each patient.

Course Faculty and Staff

- Nirupama Gupta MD (Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time
Pediatric Clinic and Inpatient Service Areas 8:00am-5:00pm, Monday-Friday and 9:00am-12:00pm on weekends as assigned.

Course Materials
Lectures and handouts.
Core lectures.
Patient Care care conferences
Renal pathology conferences every month.

Pediatric Rheumatology
PED E 26 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites
Fourth year medical student

Course Description
The student will evaluate pediatric patients in clinic and admitted to the inpatient service with immunodeficiencies and autoimmune/rheumatologic problems as well as those patients for whom consultations are requested by other services. He/She will discuss the patients with the inpatient attending, review pertinent literature and write consultation or service notes.

Additional outpatient experience includes attendance in clinics held each Monday [Rheumatology], Tuesday [Immunology/Rheumatology], Wednesday [Rheumatology], and Friday [Rheumatology]. He/She will be expected to see new and return patients independently, including obtaining history and physical examination, and then present their findings to the clinic attending.

Review of the literature regarding interesting patients is expected. He/She is expected to read about common topics in these areas during the rotation.
Course Faculty and Staff

- Akaluck Thatayatikom MD (Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time

TBA:

Please call the main office at: 352-294-5252 to contact the on-service attending for the specific schedule and meeting times.

Clinic Location:
4th floor of Shand's Hospital Infusion Room for Pediatric Subspecialties.

Inpatient rounds:
4

Course Materials

Textbook of Pediatric Rheumatology by Cassidy and Petty.

"PRINTO" website for educational materials for patients and families.

Up To Date website: section on pediatric rheumatology and immunology.

Additional Information

Please call the main office at: 352-294-5252 to contact the on-service attending for the specific schedule and meeting times.

Clinic Location:
4th floor of Shand's Hospital Infusion Room for Pediatric Subspecialties.

Inpatient rounds:
4200 (green team rounding room).
Also, rounds with consultants on other services.

Pediatric Surgery

SUR E 1 | 4th Year Elective | Surgery | Clinical Science

Prerequisites

Completed 3rd year surgery clerkship.

Course Description

Cognitive Domain: 1. Evaluate and discuss common problems frequently seen in pediatric surgery; 2. Complete a written pediatric surgery History and Physical; 3. Briefly describe the operative management of basic pediatric surgical diseases, including but not limited to: pyloric stenosis, appendicitis, hernias, cryptorchidism, intussusception, congenital anomalies, neonatal bowel obstructions, trauma evaluation and resuscitation, and common childhood solid tumors.

Psychomotor Domain: 1. Demonstrate proficiency in common intern-level duties including nasogastric tube insertion, excision of skin lesions, obtaining IV access and basic suturing. 2. Recognize the role of existing and emerging surgical technology and research in the field and practice of pediatric surgery. 3. Reliably use the Internet and electronic tools as a medical resource.
Affective Domain; 1. Expand his/her exposure to and appreciation for a career in pediatric surgery and academic surgery. 2. Become more aware of the opportunities available to residents in surgery. 3. Appreciate the influence of research as it applies to pediatric surgical problems. The Division of Pediatric Surgery strives to provide the senior student an extensive exposure to major surgical problems in infants and children; including newborn anomalies, airway problems, solid tumors, acquired diseases, and trauma. General surgical principles and techniques, preoperative assessment, and postoperative care are emphasized with externship responsibility.

Course Faculty and Staff

- Saleem Islam MD (Director)
- Adela Van Antwerp (Course Staff)
- Ashley Beavers (Course Staff)

Meeting Place and Time

Department of Surgery (N6-10); Pediatric Surgery; 352-273-8825 Call office to obtain time and place to meet for the first day on the rotation.

Course Materials

Prepared student syllabus; Selected readings from surgical texts (chapters on Pediatric Surgery) and additional readings from current journals will be assigned during the rotation for regular conferences and teaching.

Additional Information

Pediatric Surgery is the last true bastion of General surgery and incorporates the added advantage of being able to care for children and neonates of all ages. The variety of cases we see are unparalleled and offer an insight into embryologic and other considerations. The Sub I will be allowed to function fully as an intern by seeing consults, taking care of floor patients and operating. The Sub I will take a week of night calls as well and at the end of this rotation will become well versed at time management and handling rapid patient turnover! As this is a very busy service, you can expect to be well trained in handling consults, taking care of floor patients and ED consults as well. Research (clinical) opportunities are available as well. The student will be given an opportunity to present a clinical condition to the faculty before the end of the rotation.

Most of all -- its FUN!

Pediatric Surgery - Jacksonville

SUR E 10J | 4th Year Elective | Surgery | Clinical Science

Prerequisites

4th year medical student

Course Description

The 4th year medical student will assume the responsibilities of a surgical intern with the following specific goals; 1 - intense exposure to the preoperative evaluation of the pediatric surgery patient in the outpatient clinic setting, emergency room and inpatient setting; 2 - participation as 1st or 2nd assistant in operative cases that span the breadth of general pediatric surgery; 3 - involvement in the postoperative care of the pediatric surgery patient including daily rounds, data collection and
analysis, and decision making. The medical student will be expected to gain a more in-depth surgical knowledge of the pediatric surgery patient through focused reading and one-on-one discussion with the faculty. There will be a requirement for a 20 minute power point presentation at the end of the rotation. The rotation will include a weekly 3-4 hour didactic conference schedule held on Wednesday afternoons as well as weekly bedside teaching rounds.

This rotation is an excellent opportunity for the 4th year medical student interested in a career in pediatrics or pediatric surgery. However any student regardless of career goal is welcome to participate.

Course Faculty and Staff

- Daniel K Robie MD (Director)
- Dani Brown (Course Staff)

Meeting Place and Time

Nemours Children's Clinic - Jacksonville (904-697-3737 - rotation contact no.)
Wolfson Children's Hospital,
UF & Shands Medical Center - Jacksonville

Course Materials

Resident Pediatric Surgery Handbook

The chapter on pediatric surgery from the chosen general surgery text (Sabiston or Schwartz)

Selected readings from journals as assigned

Pharmacology - Independent Study

PHARM IS | 4th Year Elective | Pharmacology | Basic Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Anatomy at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Matthew Ryan MD, PhD (Director)
- Beth Magyari (Course Staff)
Meeting Place and Time
TBA

Course Materials
TBA

Physical Medicine and Rehabilitation - Externship
PMR EXT | 4th Year Elective | Physical Medicine and Rehabilitation | Clinical Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the department of Physical Medicine and Rehabilitation. Students should complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

Course Faculty and Staff
- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time
TBA

Course Materials
TBA

Physical Medicine and Rehabilitation - Independent Study
PMR IS | 4th Year Elective | Physical Medicine and Rehabilitation | Basic Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who would like to complete a research study or unique clinical experience with a particular faculty member within the Department of Anatomy at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.
Physical Medicine and Rehabilitation Elective

ORTH E 3 | 4th Year Elective | Physical Medicine and Rehabilitation | Clinical Science

Prerequisites
Satisfactory completion of third-year clerkships.

Course Description

COURSE GOALS: To increase the student's knowledge of assessment and management of persons with severe impairment and disability following neurologic (e.g. stroke, traumatic brain injury, spinal cord injury) or musculoskeletal (e.g. multi-trauma, arthroplasty) injuries who will benefit from comprehensive inpatient rehabilitation. This course will emphasize medical aspects of managing a patient in rehabilitation over a course of time to improve the functional outcome and enhance community reintegration.

Additional time (up to 50%) may be spent working with PM&R faculty on an outpatient basis; the student will see patients with spine/neck conditions, concussion, and MSK/sports injuries, as well as observe and assist with electrodiagnostic and ultrasound-based studies and procedures.

This course is highly recommended for all students interested in physical medicine and rehabilitation; however, the rotation is also recommended for students with interests in fields with patients who are often referred for inpatient rehabilitation (e.g. neurology, surgery, orthopedics). Students with an interest in sharpening their neurology and MSK exam skills will also derive significant benefit. The rotations will be tailored to meet the interests and needs of the student, whether they are considering a career as a primary care physician or specialist.

Course Faculty and Staff

- Kevin R. Vincent MD, PhD (Director)
- MaryEllen Paulk (Course Staff)
- Jason Zaremski MD (Other Faculty)
- Daniel Herman MD, PhD (Co-Director)
- Kelli Craig Deas (Course Staff)
Musculoskeletal clinics at the Orthopaedic and Sports Medicine Institute on Hull Road (if the student desires).

Course Materials

Selected readings will be suggested by attending physicians based on the diagnosis of patients admitted at the rehabilitation hospital during the rotation and basic musculoskeletal injuries seen in the outpatient clinics.

Additional Information

If you have any questions regarding the course, please contact Dr. Daniel Herman at hermadc@ortho.ufl.edu

Physiology - Independent Study

PHY IS | 4th Year Elective | Physiology | Basic Science

Prerequisites

4th year UF medical student

Course Description

This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Physiology at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

Physiology Teaching Elective - GI and Hepatology

PHY E 1 | 4th Year Elective | Physiology | Basic Science

Prerequisites

3rd year required clerkships.
NOTE: Completion of the Becoming an Effective Resident elective (listed under Pathology) - BERT is required to receive credit as a TA.

Course Description

Students will participate in the second year GI course as teaching assistants supervised by the Course Director. Students will attend lectures and may instruct/assist in the following:

• Laboratory exercises (performed by students working in teams),
• Team-based learning (TBLs),
• Patient presentations,
• Self-study exercises.

The course is divided into these sections:
1. HISTOLOGY AND EMBRYOLOGY
2. PHYSIOLOGY
3. INFECTIONS OF THE GI TRACT (INCLUDING TREATMENT)
4. PATHOPHYSIOLOGY AND PATHOLOGY OF THE GI TRACT
5. LIPIDS

The focal points of “Gastroenterology and Hepatology” include: 1) recognition by the student of the pertinent history and physical examination findings in patients that suggest intestinal, pancreatic, liver and/or biliary tract disease; 2) development of a list of differential diagnoses possibly explaining the patient's presenting complaint (or complaints); 3) as appropriate, utilization of diagnostic testing (e.g., laboratory analysis, radiologic imaging studies and organ/tissue biopsy/histopathology) to establish or confirm a diagnosis; 4) understanding the physiology, pathophysiology, pathology, etiologies, epidemiology and therapies of diseases of the intestine, pancreas, liver and/or biliary tract; and 5) appreciation of psychological and sociological factors that contribute to health and disease.

Course Faculty and Staff

• Bruce Stevens PhD (Director)

Meeting Place and Time

The student must attend all labs and lectures that are scheduled during this rotation. Please email Dr. Stevens (stevensb@ufl.edu) to alert him that you are beginning this elective.

Course Materials

notes are provided online

Plastic & Reconstructive Surgery UF&Shands/VAMC

SUR E 4 | 4th Year Elective | Plastic Surgery | Clinical Science

Prerequisites

A third-year rotation in Plastic and Reconstructive Surgery is useful, but not required. We welcome all interested fourth-year medical students. Non UF medical students interested in plastic surgery are also welcome.

Course Description
COURSE GOALS: During a month long rotation, a student will perform as an extern under the supervision of the resident staff and the faculty. The emphasis will be on the principles of the diverse field that is Plastic and Reconstructive Surgery and the preoperative decision-making and postoperative care involved. The student will be expected to assist in surgeries and be exposed to variety of patients. There will also be an emphasis on basic surgical skills.

Course Faculty and Staff

- Bruce A. Mast MD (Director)
- Ashley Beavers (Course Staff)
- Adela Van Antwerp (Course Staff)

Meeting Place and Time

Please contact the Course Director prior to the start of the rotation.

Course Materials

COURSE MATERIALS: Students will be given the Plastic and Reconstructive Surgery Essentials for Students packet, if they have not already received it. Learning will be from many sources - Core Curriculum, Morbidity & Mortality, Grand Rounds, Preoperative Conference, and Journal Club. Also the faculty and residents will be involved with teaching both in clinic and in the operating theater. The student will have the opportunity to learn from and participate in the care of patients with a variety of surgical problems. The student will be an active participant on the service.

Additional Information

If there are any questions regarding any aspect of the rotation, please do not hesitate to get in touch with us.

Previous Credits Obtained

COM E 5 | 4th Year Elective | Comec Chapman Education Center | Basic Science

Prerequisites

4th Year UF Medical Student

This course should be selected when creating schedules to use as a placeholder for credits obtained from previous participation in a course or courses (i.e. Narrative Medicine).

Course Description

This course should be selected when creating schedules to use as a placeholder for credits obtained from previous participation in a course or courses (i.e. Narrative Medicine).

Course Faculty and Staff

- No faculty or staff.

Meeting Place and Time

TBA
Primary Care in Nicaragua

PED E 12 | 4th Year Elective | Pediatrics | Clinical Science

Prerequisites

Completion of third year clerkships.

Course Description

COURSE GOALS: The course will consist of a cultural and clinical experience at urban and/or community clinics in Nicaragua.

1. To provide students with an opportunity to diagnose and treat a variety of diseases seen with higher frequency in developing countries. University of Florida faculty will directly supervise all work.
2. To provide a clinical setting which medical students may learn about primary health care provision in a developing country.
3. To provide an orientation/opportunity to learn about the interaction between health care professionals and agricultural, economic, and social programs in Nicaragua. To observe how these disciplines cooperate to eradicate some of the most debilitating and pervasive diseases of developing countries, such as, diarrhea and malnutrition.
4. To provide a setting in which students will be surrounded by a culture other than their own.
5. To provide an opportunity for students to interact and share ideas with Central American health care students and professionals so as to learn first-hand of the health care systems of our nation's neighbors.
6. To provide a setting for students to perform research projects in community health with the participation of Nicaraguan medical students.
7. Before the course begins, students will be expected to attend three or four meetings with the supervising faculty member to discuss various aspects of the trip (e.g. clothing to bring, supplies, and expectations with regard to student performance and learning objectives).
8. Each student will be required to keep a log of patient visits during the rotation and to submit one patient story.

Course Faculty and Staff

- Meghan Lopez (Course Staff)
- Maureen A Novak MD (Co-Director)

Meeting Place and Time

see below

Additional Information

Individual costs are estimated at $650 which includes airfare and living expenses. Limited to 15 students.

Primary Care in Otolaryngology

OTOL E 2 | 4th Year Elective | Otolaryngology | Clinical Science

Prerequisites

None
Course Description

COURSE GOALS:
1. To acquaint students considering careers in primary care fields with the management of the most common otolaryngologic disorders they will encounter in their practice.
2. To better prepare students to independently manage patients with routine otolaryngologic disorders by allowing them to evaluate and treat such conditions under the supervision of a faculty member.
3. To review and enhance the student's knowledge of head and neck anatomy and to train students in the performance of a complete head and neck exam.
4. To educate students as to the proper utilization of otolaryngologic consultation.
5. To provide a detailed understanding of the management of obstructive sleep disorders, otitis, allergic rhinitis, sinusitis, hoarseness, tonsillitis, common head and neck cancers, and hearing problems via small group discussions and direct patient care.

COURSE SETTING: Outpatient setting at the Hampton Oaks and Shands ENT Clinics. Inpatient and surgical care are not emphasized but available to the student desiring a wider perspective.

Course Faculty and Staff

- Deepa Danan MD (Director)
- Jennifer Brookins (Course Staff)
- Megan Hoffman (Course Staff)

Meeting Place and Time

ENT Office in MSB room M2-228 to pick up materials and rotation schedule from Megan Hoffman the first day of your rotation.

Course Materials

Ear, Nose, and Throat Diseases: A Pocket Reference by W. Becker, H.H. Naumann, & C.R. Pfaltz

Additional Information

Must return any and all materials borrowed during your rotation on the Friday of your last week. Course content could be tailored to individual student's future career interests.

Psychiatry - Clinical Independent Study

PSY CIS | 4th Year Elective | Psychiatry | Clinical Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Psychiatry at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student.
Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

Additional Information

TBA

Psychiatry - Externship

PSY EXT | 4th Year Elective | Psychiatry | Clinical Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the Department of Psychiatry. Students should complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Course Materials

TBA

Psychiatry - Independent Study

PSY IS | 4th Year Elective | Psychiatry | Basic Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Psychiatry at the University of Florida College of Medicine. Students must submit an Independent Study Application
form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Course Materials

TBA

Psychiatry Consultation/Liaison

PSY E 15 | 4th Year Elective | Psychiatry | Clinical Science

Prerequisites

Fourth Year Medical Student - students must contact the Course Director prior to the start of their rotation.

Course Description

This rotation exposes students to the interface of Psychiatry with other medical specialties, especially as many inpatients have significant comorbidities. The focus will be on the treatment of psychiatric emergencies and the management of the agitated patient. Students will help to evaluate and treat patients with psychiatric and medical/surgical Co-morbidities. Students will also take part in attending rounds and teaching conferences. The rotation can be tailored to the specific interests and needs of participating students, depending on what field choice they have made. Students can be assigned to take care of patients with specific co-morbidities or in particular settings (ie ICU, ER, etc.) that would best enhance their medical knowledge for their future residency.

Course Faculty and Staff

- Jacqueline Hobbs MD, PhD (Co-Director)
- Angela Camacho MD (Co-Director)
- Terry Lemesh (Course Staff)

Meeting Place and Time

Students must contact the Course Director prior to the start of their rotation.
Time: 8am at beginning of rotation
Place: Psychiatry Consultation/Liaison workroom. Please e-mail Dr. Camacho before the rotation begins: amcamacho@ufl.edu.

Course Materials

DSM-V Diagnostic and Statistical Manual of Mental Disorders

Additional Information
Faculty Participants - Angela Camacho, MD

**Psychiatry Outpatient Clinics**

PSY E 7 | 4th Year Elective | Psychiatry | Clinical Science

**Prerequisites**

Satisfactory completion of third year clerkship in Psychiatry. Note, students from outside UF COM must obtain prior approval from Course Director.

**Course Description**

Senior medical students will receive training in the comprehensive evaluation and treatment of a wide variety of psychiatric conditions, managed in the outpatient setting. The Medical Office Building (MOB) at Springhill Psychiatric Clinics (3rd floor) are the primary location for this rotation. However, students may also elect to complete some or all of the rotation at our Vero Beach Clinic. Clinic specialty areas include Women's Health, Neuropsychiatry and Movement Disorders, DBS, Eating Disorders and Weight Management, Sleep Disorders, Adult Autism/PDD, Geropsychiatry, TMS clinic, and more. Medical students will work either directly with faculty experts in specialty areas, or closely with psychiatry residents under the supervision of an attending. Students may also be involved in the mentoring and instruction of 3rd year clerkship students currently rotating on psychiatry.

**Course Faculty and Staff**

- Gary Kanter MD (Director)
- Herbert E Ward MD (Other Faculty)
- Terry Lemesh (Course Staff)
- Jacqueline Hobbs MD, PhD (Co-Director)

**Meeting Place and Time**

To be arranged. Please contact Terry Lemesh (tjlemesh@ufl.edu) 594-1870 at least a few weeks prior to arrange specifics of the rotation.

**Course Materials**

DSMV Pocket Companion
Kaplan and Saddock's Synopsis of Psychiatry, Latest Edition

**Additional Information**

Please note, in the past, this rotation was selected for those interested in inpatient services (including Addictions) and consult rotations. These areas are now offered as distinct, separate courses.

**Psychiatry, Medical Psychology Division: Cognitive Behavioral Therapy**

PSY E 18 | 4th Year Elective | Psychiatry | Clinical Science

**Prerequisites**
Medical students who are in their fourth year are eligible for enrollment. Students are responsible for contacting the Course Director prior to start of the rotation.

Course Description

This rotation will offer medical students the opportunity to observe and participate in the delivery of psychological services using Cognitive Behavioral Therapy (CBT) and Exposure Response Prevention treatment within an outpatient setting. The Medical Psychology Division is an internationally recognized treatment and training center for Obsessive Compulsive Disorder (OCD) and offers an intensive OCD program where treatment is delivered daily over the course of three weeks. Data for patients who have participated in the UF intensive program have shown significant improvements, with approximately 80 to 85 percent showing symptom reduction by at least 50 percent. Medical students will also be able to observe other psychiatric conditions such as autism, Anxiety, Depression, ADHD, Tourette’s, Trichotillomania, and Tic Disorder. This rotation can be tailored to the specific interests and needs of participating students. This rotation is well suited for students who want to learn more about psychopharmacological and behavioral treatments, particularly CBT, and are interested in primary care, Pediatrics, or a Psychiatry residency in the future.

Course Faculty and Staff

- Terry Lemesh (Course Staff)
- Joseph McNamara PhD (Director)
- Brian Olsen PhD (Other Faculty)
- Jacqueline Hobbs MD, PhD (Co-Director)

Meeting Place and Time

Students must contact the Joseph McNamara, Ph.D. prior to the start of their rotation to make arrangements.

Location: 8491 NW 39th Ave, Gainesville, FL 32606 (Spring Hill)

Email: Joseph McNamara, Ph.D. jpm2@ufl.edu

Course Materials


***When the new version is published, please purchase the new version

Psychosomatic Medicine - Jacksonville

PSY E 16 | 4th Year Elective | Psychiatry | Clinical Science

Prerequisites

4th year Medical Student

Course Description

Students will be involved in the psychiatric assessment of medically ill hospitalized patients. They will work directly under the supervision of the faculty of the Department of Psychiatry. Objectives of the
rotation are to learn to perform a thorough Psychiatric patient evaluation, formulate a comprehensive differential diagnosis, coordinate care with primary teams managing patients, provide recommendations from a psychopharmacologic and therapeutic perspective to manage psychiatrically ill patients in the course of their medical care.

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Other Faculty)
- Dani Brown (Course Staff)
- Phyliss Nicole Taylor MD (Other Faculty)
- Brian Celso PhD (Other Faculty)
- Rosetta Payne (Course Staff)

Meeting Place and Time

Tower 2, 6th Floor, Department of Psychiatry 8:30am

Course Materials

Select reading materials to be provided by the Department of Psychiatry in addition to online access to library database resources.

Pulmonary Medicine

MED E 5 | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites

4th year medical student

Course Description

Promote an understanding of clinical pulmonary physiology through the interpretation of pulmonary function testing.

Learn the evaluation and management of chronic obstructive pulmonary disease, asthma, lung masses, interstitial lung disease and sleep disorders

Be exposed to an overview of pulmonary diseases, i.e., tuberculosis and occupational lung disease.

Students will rotate with the Pulmonary consult service. Students are expected to do consults on their own and present these consults to the rest of the team for discussion. Students are also expected to follow their patients and report appropriate updates on the case.

In the afternoon students will have the option to follow the attending on service to their clinic to be exposed to outpatient management of pulmonary diseases.

Course Faculty and Staff

- Ali Ataya MD (Director)
- Irahim Faruqui MD (Director)
- Chris Pintado MPH (Course Staff)
- Amanda Lazenby (Course Staff)
- Matthew Staehnke (Course Staff)
Meeting Place and Time

Contact Amanda Lazenby prior to the start of the rotation 352-273-8738 or via email Amanda.Reed@medicine.ufl.edu.

Course Materials

helpful website:
https://pulmccm.org/

Articles of interest.

COPD

1. http://www.annals.org/content/143/5/317.full.pdf+html
A large multi-center RCT of VA patients with moderate to severe COPD (mean baseline FEV1 36%) found tiotropium reduced the proportion of patients with 1 or more exacerbations during 6 months of treatment vs. placebo (27.9 % vs. 32.3 %). These results support using tiotropium in COPD patients with moderate to severe obstruction and frequent exacerbations.

This study found a combination of BMI, FEV1, modified MRC dyspnea scale, and 6-minute walk (i.e. the BODE index) was a better predictor of mortality than FEV1 alone. The BODE index may prove to be a better guide than FEV1 for assessing the efficacy of new treatments and adjusting the aggressiveness of therapy.

The TORCH study randomized over 6,000 patients with baseline FEV1 < 60% predicted to placebo vs. salmeterol alone vs. fluticasone alone vs. a combination of salmeterol and fluticasone over 3 years. Compared to placebo, patients receiving combination therapy had a 0.9% annual reduction in mortality (p = .052). Use of salmeterol, fluticasone, or a combination of the 2 reduced the frequency of exacerbations, but p was >.10 for all 3 for reducing risk of COPD-related death. All-cause mortality and COPD-related death were lower with combination therapy than fluticasone alone (p = .007 and .008, respectively).

Multicenter, double blind, placebo- controlled study found modest benefit to use of high-dose intravenous steroids. Steroid group had fewer treatment failures (combined endpoint of death, need for intubation, readmission, or intensification of pharmacologic therapy), and shorter hospital stays, but the primary benefit was in decreasing the need to intensify therapy with use of open-label steroids. No benefit from steroids was present at 6 months of f/u, and 2 week and 8 week courses were equally effective.

ASTHMA

RCT of 466 patients of 6 months duration found PRN use of a single inhaler combination of beclomethasone and albuterol resulted in better peak flows and fewer exacerbations compared to PRN use of albuterol alone, as well as comparable peak flows, exacerbation rate, lung function, and symptoms to regular twice daily use of beclomethasone. The PRN beclomethasone group on average used < 125 mcg/day compared to 500 mcg/day in the regular twice daily groups.

A year-long RCT of 225 adults with mild persistent asthma compared prn inhaled corticosteroids based upon symptom-based action plan vs. daily treatment with ICS vs. daily leukotriene inhibitor and found no difference in morning peak expiratory flow and the rate of asthma exacerbations.
despite the prn corticosteroid group using an average of only 0.5 week of steroid per year. The ICS group had superior asthma control scores and lower markers of airway inflammation. Some attribute this relatively modest benefit of regular ICS use to the lower exacerbation rate in this study compared to its predecessors, which speaks to the challenge of identifying mild persistent asthmatics.

This study included 2,760 asthmatics with a history of at least one exacerbation in the previous year and regular need for rescue bronchodilators despite baseline use of, on average, moderate doses of inhaled corticosteroid. Patients randomized to budesonide/formoterol (80/4.5) bid and prn had prolonged time to exacerbations requiring medical intervention compared to combination therapy with terbutaline prn or higher dose steroid (budesonide 320 bid) plus terbutaline prn. Subsequent RCTs have also shown favorable outcomes with this approach.

Review summarizes several large RCTs studying the role of anti-IgE antibody in allergic asthma. The use of anti-IgE is associated with decreased frequency of exacerbations, reductions in corticosteroid dose, and improved quality of life in symptomatic patients with moderate to severe allergic asthma.

CAP

359 patients with lower respiratory tract infections in 6 Swiss academic hospitals were randomized to a treatment algorithm based on procalcitonin (PCT) levels or to treatment based on current evidence based guidelines. PCT-guided therapy reduced total antibiotic exposure without any change in adverse outcomes. Controversy exists regarding the unusually high prevalence of "severe" pneumonia by PSI score, and that reduction in exposure was primarily due to reduced duration of antibiotics rather than avoidance.

Lung Nodule/Lung Ca

ACCP evidence-based clinical practice guidelines (2nd Edition) reviewing the evidence for staging of non-small cell lung cancer with CT and PET scanning.

ACCP evidence-based clinical practice guidelines (2nd Edition) reviewing the sensitivity and specificity of various tissue sampling techniques: TTNA, TBNA, EBUS, EUS, VATS, Chamberlain procedure, mediastinoscopy and extended cervical mediastinoscopy.

Guideline for how best to work up the incidental nodule(s) that nicely distills the large number of trials on this topic.

PERIOPERATIVE PULM ASSESSMENT

Updated summary of the use of PFTs, split function tests, and cardiopulmonary exercise tests in the assessment of lung resection candidates.

Multi-center, unblinded RCT with concealed allocation on 209 consecutive patients who developed severe hypoxemia after major elective abdominal surgery. Patients received oxygen vs. oxygen plus
CPAP. Use of CPAP resulted in lower intubation rates, lower risk of pneumonia and sepsis, and shortened ICU stays.

PE

1. http://www.annals.org/content/135/2/98.full.pdf+html
Large prospective cohort study using the SimpliRED d-dimer assay (which has sensitivity lower than, and specificity higher than, some other d-dimer tests) found the combination of a low clinical suspicion for PE and a negative d-dimer safely ruled out pulmonary embolism without additional testing.

PFT's

An excellent comprehensive review of reference equations, types of ventilatory defects, PFT and DLCO interpretation, severity classifications, bronchodilator response thresholds, central and upper airway processes, and interpretation of changes in pulmonary function.

PULM HYPERTENSION

1. http://ajrccm.atsjournals.org/cgi/reprint/179/7/615
This prospective study of 65 patients undergoing right-heart catheterization for the diagnosis or management of pulmonary hypertension. Echo over or underestimated pulmonary artery pressure by > 10 mm Hg 52% of the time. The majority of patients had pulmonary arterial hypertension (WHO Group 1).

2. http://circ.ahajournals.org/cgi/reprint/119/16/2250
This document is noteworthy for containing the latest consensus statement on the classification, evaluation, treatment, and monitoring of patients with pulmonary hypertension.

Additional Information

A list of articles of interest will be email to you for your review before the course starts.

Pulmonary Medicine - Jacksonville

MED E 3J | 4th Year Elective | Internal Medicine | Clinical Science

Prerequisites

4th year medical student

Course Description

This elective involves rounding on the inpatient Pulmonary Medicine consult service with the attending physician and housestaff that are usually assigned to the service. It includes one half day in the outpatient clinic and one half day on the consult service. Usually a broad array of both common and uncommon disease states are discussed.

Course Faculty and Staff

- James D. Cury MD (Co-Director)
- Lorraine Sims (Course Staff)
- Sonya Newsome (Course Staff)
Meeting Place and Time
Pulmonary/Critical Care Office; Shands Jacksonville; 9:00 AM on first day of rotation

Course Materials
TBA

Radiation Oncology - Clinical Independent Study
RON CIS | 4th Year Elective | Radiation Oncology | Clinical Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Radiation Oncology at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student.

Course Faculty and Staff

• Beth Magyari (Course Staff)
• Matthew Ryan MD, PhD (Director)

Meeting Place and Time
TBA

Course Materials
TBA

Additional Information
TBA

Radiation Oncology Externship
RON EXT | 4th Year Elective | Radiation Oncology | Clinical Science

Prerequisites
UF 4th year medical student

Course Description
This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville and ORMC within the Department of Radiation Oncology. Students should complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

**Course Faculty and Staff**

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

**Course Materials**

TBA

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**Radiation Oncology Independent study**

RON IS | 4th Year Elective | Radiation Oncology | Basic Science

**Prerequisites**

UF 4th year medical student

**Course Description**

This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Radiation Oncology at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

**Course Faculty and Staff**

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

**Course Materials**

TBA

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**Radiology - Angio/Interventional**

RAD E 4 | 4th Year Elective | Radiology | Clinical Science

**Prerequisites**

None

**Course Description**
Course Goals: To provide exposure to a wide range of activities/procedures; To become familiar with imaging/clinical activities; To learn to use radiologists as consultants; To become familiar with issues of cost containment

Course Faculty and Staff

- Sarah Bloom (Course Staff)
- Darren Postoak MD (Other Faculty)
- Brian Geller MD (Other Faculty)
- Mark D. Horvath DO (Other Faculty)
- Erinn Cooke MD (Director)
- Mike Lazarowicz MD (Other Faculty)

Meeting Place and Time

Department of Radiology, Room G-515: 8AM to 5PM; Mon-Fri

Course Materials

Students will be provided with access to select teaching files, suggested reading material, and websites (to include learning modules)

Additional Information

Visiting Students: Applicant understands acceptance for visiting externship is not a guarantor of a formal interview, which is rewarded by independent review of scholarly and service merit.

Radiology - Body Imaging

RAD E 3 | 4th Year Elective | Radiology | Clinical Science

Prerequisites

None

Course Description

Course Goals: To provide exposure to a wide range of activities/procedures; To become familiar with imaging/clinical activities; To learn to use radiologists as consultants; To become familiar with issues of cost containment

Course Faculty and Staff

- Sarah Bloom (Course Staff)
- Eric K. Thoburn MD (Other Faculty)
- Ray A. LaRue III MD (Other Faculty)
- Patricia L Abbitt MD (Other Faculty)
- Patricia Moser MD (Other Faculty)
- Tim Boyett MD (Other Faculty)
- Joe Grajo MD (Other Faculty)
- Julia K Marshall (Other Faculty)
- Erinn Cooke MD (Director)
- Gladys M Torres (Other Faculty)
Meeting Place and Time
Department of Radiology, Room G-515; 8AM-5PM, Mon-Fri

Course Materials
Students will be provided with access to select teaching files, suggested reading material, and websites (to include learning modules)

Additional Information
Visiting Students: Applicant understands acceptance for visiting externship is not a guarantor of a formal interview, which is rewarded by independent review of scholarly and service merit.

Radiology - Chest
RAD E 9 | 4th Year Elective | Radiology | Clinical Science

Prerequisites
None

Course Description
Course Goals: To provide exposure to a wide range of activities/procedures; To become familiar with imaging/clinical activities; To learn to use radiologists as consultants; To become familiar with issues of cost containment

Course Faculty and Staff
- Sarah Bloom (Course Staff)
- Eric K. Thoburn MD (Other Faculty)
- Rob Dubuisson MD (Other Faculty)
- Erinn Cooke MD (Director)
- Ray A. LaRue III MD (Other Faculty)
- Tan-Lucien Mohammed MD (Other Faculty)
- Nupur Verma MD (Other Faculty)

Meeting Place and Time
Department of Radiology, Room G-515, 8AM to 5PM; Mon-Fri

Course Materials
Students will be provided with access to select teaching files, suggested reading material, and websites (to include learning modules)

Additional Information
Visiting Students: Applicant understands acceptance for visiting externship is not a guarantor of a formal interview, which is rewarded by independent review of scholarly and service merit.

Radiology - Clinical Independent Study
RAD CIS | 4th Year Elective | Radiology | Clinical Science

Prerequisites
UF 4th year Medical Student

Course Description
This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Radiology at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student.

Course Faculty and Staff
- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time
TBA

Course Materials
TBA

Additional Information
TBA

Radiology - Diagnostic Imaging
RAD E 1 | 4th Year Elective | Radiology | Clinical Science

Prerequisites
None

Course Description
Course Goals: To provide exposure to a wide range of activities/procedures; To become familiar with imaging/clinical activities; To learn to use radiologists as consultants; To become familiar with issues of cost containment

Course Faculty and Staff
- Patricia L Abbitt MD (Other Faculty)
Meeting Place and Time
Department of Radiology, Room G-515, 8AM-5PM, Mon-Fri

Course Materials
Students will be provided with access to select teaching files, suggested reading material, and websites (to include learning modules)

Additional Information
Visiting Students: Applicant understands acceptance for visiting externship is not a guarantor of a formal interview, which is rewarded by independent review of scholarly and service merit.

Radiology - Externship
RAD EXT | 4th Year Elective | Radiology | Clinical Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the Department of Radiology. Students should complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Course Materials

TBA

Radiology - Independent Study

RAD IS | 4th Year Elective | Radiology | Basic Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Radiology at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Course Materials

TBA

Radiology - Musculoskeletal System

RAD E 6 | 4th Year Elective | Radiology | Clinical Science
Prerequisites

None

Course Description

Course Goals: To provide exposure to a wide range of activities/procedures; To become familiar with imaging/clinical activities; To learn to use radiologists as consultants; To become familiar with issues of cost containment

Course Faculty and Staff

- Charles H Bush (Other Faculty)
- Sarah Bloom (Course Staff)
- Troy Storey MD (Other Faculty)
- Cooper Dean MD (Other Faculty)
- Erinn Cooke MD (Director)
- Ivan Davis MD (Other Faculty)

Meeting Place and Time

Department of Radiology, Room G-515, 8AM-5PM, Mon-Fri

Course Materials

Students will be provided with access to select teaching files, suggested reading material, and websites (to include learning modules)

Additional Information

The MSK reading room is located at the Orthopaedic Institute. Students on this rotation will be required to travel back and forth between the Ortho Institute and the main hospital.

Visiting Students: Applicant understands acceptance for visiting externship is not a guarantor of a formal interview, which is rewarded by independent review of scholarly and service merit.

Radiology - Neurologic

RAD E 2 | 4th Year Elective | Radiology | Clinical Science

Prerequisites

None

Course Description

Course Goals: To provide exposure to a wide range of activities/procedures; To become familiar with imaging/clinical activities; To learn to use radiologists as consultants; To become familiar with issues of cost containment

Course Faculty and Staff

- Sarah Bloom (Course Staff)
- Keith R Peters MD (Other Faculty)
- Reordan DeJesus MD (Other Faculty)
Meeting Place and Time

Department of Radiology, Room G-515, 8AM-5PM, Mon-Fri

Course Materials

Students will be provided with access to select teaching files, suggested reading material, and websites (to include learning modules)

Additional Information

Visiting Students: Applicant understands acceptance for visiting externship is not a guarantor of a formal interview, which is rewarded by independent review of scholarly and service merit.

Radiology - Nuclear Medicine

RAD E 7 | 4th Year Elective | Radiology | Clinical Science

Prerequisites

None

Course Description

Course Goals: To provide exposure to a wide range of activities/procedures; To become familiar with imaging/clinical activities; To learn to use radiologists as consultants; To become familiar with issues of cost containment

Course Faculty and Staff

- Sarah Bloom (Course Staff)
- Walter E Drane MD (Other Faculty)
- Erinn Cooke MD (Director)
- Dhanashree Rajderkar MD (Other Faculty)

Meeting Place and Time

Department of Radiology, Room G-515, 8AM to 5PM; Mon-Fri

Course Materials

Students will be provided with access to select teaching files, suggested reading material, and websites (to include learning modules)

Additional Information
Visiting Students: Applicant understands acceptance for visiting externship is not a guarantor of a formal interview, which is rewarded by independent review of scholarly and service merit.

**Radiology - Pediatric**

RAD E 8 | 4th Year Elective | Radiology | Clinical Science

**Prerequisites**

None

**Course Description**

Course Goals: To provide exposure to a wide range of activities/procedures; To become familiar with imaging/clinical activities; To learn to use radiologists as consultants; to become familiar with issues of cost containment

**Course Faculty and Staff**

- Sarah Bloom (Course Staff)
- Rob Dubuisson MD (Other Faculty)
- Dhanashree Rajderkar MD (Other Faculty)
- Erinn Cooke MD (Director)
- Priya Sharma MD (Other Faculty)
- Ibrahim Tuna MD (Other Faculty)

**Meeting Place and Time**

Department of Radiology, Room G-515, 8AM-5PM; Mon-Fri

**Course Materials**

Students will be provided with access to select teaching files, suggested reading material, and websites (to include learning modules)

**Additional Information**

Visiting Students: Applicant understands acceptance for visiting externship is not a guarantor of a formal interview, which is rewarded by independent review of scholarly and service merit.

**Religion, Culture and Medicine**

CM E 30 | 4th Year Elective | Community Health and Family Medicine | Basic Science

**Prerequisites**

3rd or 4th-year medical student.

There must be a minimum of 5 students enrolled each period in order for the course to be offered during that period.

**Course Description**

COURSE GOALS: The goals of this course broadly include both practical aspects of medical practice in which cultural and/or religious issues arise, as well as substantive issues in which
religious and/or cultural traditions and identity interact with an individual's medical practice or medicine as a social institution and cultural phenomenon in its own right.

Course Faculty and Staff

- William L Allen JD (Co-Director)
- Bernie Amaro (Course Staff)
- Ray E Moseley PhD (Co-Director)

Meeting Place and Time

TBA

Course Materials

Selected books, journal articles, films, videos and websites.

Additional Information

The course is sufficiently flexible for students to spend some of their time and efforts on topics of particular individual interest as well as exposure to diverse perspectives. This online course involves reading materials and participating in a Canvas discussion board on a daily basis.

Reproductive Endocrinology and Infertility

OBG E 2 | 4th Year Elective | Obstetrics and Gynecology | Clinical Science

Prerequisites

Successful completion of 3rd year OB/GYN rotation.

***NOTE*** - Rotation must be approved and coordinated at least 2 weeks in advance with Dr. Alice Rhoton-Vlasak.

Course Description

Course is appropriate for students planning on a future career in obstetrics and gynecology as well as students interested in women's health issues relevant to future careers in family practice, internal medicine, pediatrics and surgery.

1. Exposure to the evaluation, diagnosis and treatment of a wide range of clinical endocrine problems in the female.
2. Exposure to principles used in the evaluation and treatment of infertile couples.
3. Exposure to the application of current methods available for family planning and their management in clinical practice.
4. Exposure to basic principles of gamete handling and sperm micromanipulation in the Human Gamete Laboratory.
5. Exposure to the role of endocrine factors in the management of abnormal uterine bleeding, endometriosis, osteoporosis, and uterine fibroids.

Course Faculty and Staff

- Alice S Rhoton-Vlasak MD (Director)
- Stan Williams MD (Other Faculty)
Meeting Place and Time
Schedule tailored to the student. Various meeting places (transportation needed); 1. Reproductive medicine at Springhill
2. Women’s Health Group at the Medical Plaza 3. FloridaSurgery Center and Shands at UF

Course Materials

Additional Information
Final grade is determined as follows:
Written evaluations from faculty and residents based on the competencies described below = 70%
Oral presentation on REI Topic of your choice = 30%

Req. CHFM Inpatient Medicine
CM R 1 | 4th Year Required | Community Health and Family Medicine | Clinical Science

Prerequisites
Satisfactory completion of third year medical school - 4th year UF medical student

Course Description
COURSE GOALS: This course fulfills the advanced senior medicine requirement. The students will serve as acting interns under supervision of a supervising resident and attending physician from the Department of Community Health and Family Medicine. In the rotation, the externs will develop assessment and management skills needed for the care of general medical problems through bedside teaching, didactic lectures and academic conferences.

Course Faculty and Staff
- Kimberly K Zinkel (Course Staff)
- Tina Engstrom (Course Staff)
- David B Feller MD (Director)

Meeting Place and Time
Prior to beginning the rotation, please contact Tina Engstrom, 265-9544, Box 100383-Family Medicine at Main, to get the time and location as well as the name of the Senior Resident when beginning rotation.

Course Materials
Comprehensive Medical Textbook
Req. Emergency Medicine - Career Track - Shands at Gainesville

EMD R 2 | 4th Year Required | Emergency Medicine | Clinical Science

Prerequisites

The 4th year UF medical student must have interest in pursuing residency training in Emergency Medicine. Students need to demonstrate appropriate clinical skills by successfully completing the 3rd year core clerkships (including IM, Surgery, OB/Gyn, Pediatrics). It is not necessary to complete an EM rotation prior to this course.

Course Description

Goals and Objectives This rotation is designed for the student interested in emergency medicine as a career. As emergency medicine has grown into it's role as a medical specialty it has become clear that there are certain attributes and skills needed to assure success and satisfaction in this field. While all physicians need training in the handling of basic medical emergencies, this is generally covered in the standard 4th year emergency medicine rotation. Students interested in making a career of emergency medicine need exposure to other aspects of life as an emergency physician. These include the rigors of shift work, the communication skills necessary for transference of care, the skill set needed to make rapid patient dispositions, the importance of concise ED case presentations, the ability to manage patients simultaneously and the appropriate use of consultation services. This rotation also provides opportunities to gain advice on how to plan for residency; evaluation of programs, the application process, interviewing, internship survival, etc. This rotation affords students the opportunity to: 1) practice recognition of "sick" vs "not-sick" patients 2) refine skills in stabilization of acute life threatening emergencies 3) enhance skills at developing "complaint-based" differential diagnoses 4) experience the continuum of initial evaluation, stabilization, treatment and disposition of the acutely ill or injured patient 5) foster understanding of the complimentary interactions between the Emergency Department (ED) and the rest of the health care system 6) refine ED case presentation skills 7) develop a mini-mentorship relationship with an academic emergency physician

Curriculum Shift schedules - Schedules will be modeled after the EM intern schedules. Expectations include making expedited, efficient and appropriate presentations, differentiating accurately between sick and not-sick patients, creating well rounded differential diagnosis lists and forming, as well as, supporting a plan of evaluation and treatment. Students will be expected to prepare and present a formal case presentation during the rotation based on a ED case. Efficiency, conciseness and completeness of the presentation, charting and handling of the question session will be graded. Active participation in our monthly journal club is expected.

Examinations - Students will continue to take the multiple choice "end-of-rotation" test as administered to all required clerkship rotators. Instructional Labs - Students will participate in procedure labs to learn and refine skills in suturing/wound management, airway management, splinting, central venous access, ultrasound, etc. These labs will involve the use of hi-fidelity simulation mannequins. Students have the opportunity to develop diagnostic and treatment plan skills in simulated patient encounters. Some of these will also take place in small group sessions with oral board type cases. Some will take place using hi-fidelity patient simulators. The cases will cover commonly encountered high-risk patient complaints such as chest pain, short of breath, altered level of consciousnes, multiple trauma, etc

Course Faculty and Staff

- Kassandra Moench (Course Staff)
- Matthew Ryan MD, PhD (Director)
Meeting Place and Time

Orientation: First Monday of the rotation. Time and Location TBA. Students will be contacted via email.

Course Materials

Tintinalli’s Emergency Medicine: A Comprehensive Study Guide, 6th edition (provided for the student); Lecture Powerpoint Presentations available on the intranet; Emergency Medicine’s Top Clinical Problems (provided for the student) O. John Ma & David Cline. Emergency Medicine Manual 6th Ed. 2004. McGraw Hill. Copy provided for use during rotation. Bound Readings: Sub-I students will be given a copy of reading including: 1) history of emergency medicine as a specialty 2) proper ED case presentation technique 3) preparing for residency/choosing a residency/interviewing 4) opportunities in EM (fellowships, etc) 5) ED charting 6) Other

Additional Information

This is the rotation to take if you want to be evaluated as a potential candidate for Emergency Medicine residency training. Students requesting a standardized letter of recommendation (SLOR) for EM-residency applications should enroll in this rotation. This rotation fulfills all the requirements of, and substitutes for, the standard "required 4th year emergency medicine rotation". Student will be tasked with patient care responsibilities and be expected to function at the Sub-I level. This rotation does not fulfill The "sub-internship" requirement of the 4th year. You must still complete a "sub-internship" in Family Medicine, Internal Medicine or Pediatrics.

Rotation Shift Locations and Quantities: UF Shands Adult ED - 13 shifts, UF Shands Pediatric ED - 2 shifts; EMS Ride Along - 1 shift; 5 hours of didactic sessions/week; 3 hours of simulation sessions/week; journal club. Clinical shifts are 8 hours.

Req. Emergency Medicine - Shands at Gainesville

EMD R 1 | 4th Year Required | Emergency Medicine | Clinical Science

Prerequisites

4th year UF medical student

Course Description

At the end of a 4-week rotation, 4th year medical students should be able to do the following:
1. Demonstrate the Emergency Medicine "ABC's" approach in the evaluation of emergency patients.
2. Perform an initial evaluation of the undifferentiated Emergency Medicine patient, with focus on stabilization of acutely ill patients
3. Perform an evaluation of the trauma patient with initial primary survey, addressing life-threatening problems first, followed by the secondary survey.
4. Participate in prehospital care and be able to describe the structure, function and limitations of the EMS system.
5. Manage patients with toxic exposures in general, and be able to recognize and treat common overdoses from reading and lecture assignments.
6. Evaluate and treat common environmental illnesses.
7. Develop and improve procedure skills by performing IV catheter insertion, urinary catheter insertion, suturing, and other necessary invasive procedures.
8. Function effectively in the Emergency Department working as a member of Emergency Department team, establish appropriate consult and referrals and efficiently use emergency medicine resources.

Course Faculty and Staff

- Kassandra Moench (Course Staff)
- Matthew Ryan MD, PhD (Director)
- Amy Smith (Course Staff)
- Amber Cook (Course Staff)

Meeting Place and Time

Orientation: First Monday of the rotation, Gainesville Time and Place TBA. Students will be contacted via email.

Course Materials


Additional Information

Rotation Shift Locations and Quantities: UF Shands Adult ED- 13 shifts, UF Shands Pediatric ED - 2 shifts; EMS Ride Along - 1 shift; 5 hours of didactic sessions/week; 3 hours of simulation sessions/week; journal club. Clinical shifts are 8 hours.

Req. Emergency Medicine-Career Track-Jacksonville

EMD R 2J | 4th Year Required | Emergency Medicine | Clinical Science

Prerequisites

4th year medical student pursuing residency training in Emergency Medicine
Students would need to successfully complete the 3rd year core clerkships (including IM, Surgery, OB/Gyn, Pediatrics). It is not be necessary to complete a basic EM rotation prior to "career-track emergency medicine".

Course Description

Goals and Objectives
This rotation is designed for the student interested in emergency medicine as a career. As emergency medicine has grown into it's role as a medical specialty it has become clear that there are certain attributes and skills needed to assure success and satisfaction in this field. While all physicians need training in the handling of basis medical emergencies, this is generally covered in the standard 4th year emergency medicine rotation.
Students interested in making a career of emergency medicine need exposure to other aspects of life as an emergency physician. These include the rigors of shift work, the communication skills necessary for transference of care, the skill set needed to make rapid patient dispositions, the importance of concise ED case presentations, the ability to manage patients simultaneously and the
appropriate use of consultation services. This rotation also provides opportunities to gain advice on how to plan for residency; evaluation of programs, the application process, interviewing, internship survival, etc.

This rotation affords students the opportunity to:
1) practice recognition of "sick" vs "not-sick" patients
2) refine skills in stabilization of acute life threatening emergencies
3) enhance skills at developing "complaint-based" differential diagnoses
4) experience the continuum of initial evaluation, stabilization, treatment and disposition of the acutely ill or injured patient
5) foster understanding of the complimentary interactions between the Emergency Department (ED) and the rest of the health care system
6) refine ED case presentation skills
7) develop a mini-mentorship relationship with an academic emergency physician.

Curriculum:
Shift schedules - Schedules will be modeled after the EM intern and resident schedules. Students will perform 8 hour shifts (mix of days, nights and weekends). The schedules will allow students to spend shifts with varied ED educational faculty. Shifts will be a mix of Resus/Trauma, Emergency Critical Care, Intermediate/Flex care and Pediatric ED. Students will complete one shift with an assigned Jacksonville Fire Rescue station, scheduled by the student.

Presentations - Expedited and efficient (but complete) case presentations are a core skill of competent emergency physicians. Students will be expected to prepare a formal case presentation by the end of the rotation. This case will be accompanied by a formal written ED-chart. The students will be required to present the case at a conference during the third week of the rotation in front of educational staff, residents and attendings. They will then field questions on the case, as if they were signing the case out to a colleague. Efficiency, conciseness and completeness of the presentation, charting and handling of the question session will be graded.

Journal Club/Didactic Lectures – Didactic lectures and SIM sessions will focus on common topics in EM (approach to CP, SOB, AMS, trauma, etc), or topics often not covered elsewhere in the COM curriculum (environmental emergencies, toxicology, etc).

Our monthly journal club is open for attendance for the students. Articles are chosen to help learners develop skills in critically appraising the literature, and for timely relevance to EM. Articles are presented by residents, but one paper may be evaluated by, and presented by, the sub-I students. Faculty mentors will aid the sub-I students in evaluating the paper prior to presentation at the formal journal club. This will further provide interaction time between residents and EM-bound students.

Examinations - SAEMTESTS.org- The Society for Academic Emergency Medicine has developed a web-based set of EM-subject tests. Sub-I students during the rotation will perform these tests. Students will take the NBME EM ACE (shelf exam) the last day of the rotation.

Instructional Labs - Students will participate in procedure labs to learn and refine skills in suturing/wound management, airway management, splinting, central venous access, ultrasound, etc. These labs will involve the use of hi-fidelity simulation mannequins.

Simulated Patient Encounters - Students will get the opportunity to develop diagnostic and treatment plan skills in simulated patient encounters. Some of these will take place in small group sessions with oral board type cases. Some will take place using hi-fidelity patient simulators. The cases will cover commonly encountered high-risk patient complaints such as chest pain, short of breath, altered level of consciousness, multiple trauma, etc.

**Course Faculty and Staff**
- Debra Eurom (Course Staff)
Meeting Place and Time
Orientation: first Monday of the rotation. Jacksonville - 8:30 am in the conference room of the Emergency Medicine Administrative offices; 1st floor; Shell Building. Time and place may change. Students will be notified by email ahead of time.

Course Materials
1) http://cdemcurriculum.com/. Interactive web-based EM curriculum
2) http://www.ufjaxem.com/clerkship/ Includes suggested blogs and clerkship calendar
3) http://saemtests.org/ Students will be provided with login/password for practice exams
   a) history of emergency medicine as a specialty
   b) proper ED case presentation technique
   c) preparing for residency/choosing a residency/interviewing
   d) opportunities in EM (fellowships, etc)

Additional Information
This is the rotation to take if you want to be evaluated as a potential candidate for Emergency Medicine residency training. Students requesting a standardized letter of recommendation (SLOR) for EM-residency applications should enroll in this rotation. This rotation fulfills all the requirements of, and substitutes for, the standard "required 4th year emergency medicine rotation". Student will be tasked with patient care responsibilities and be expected to function at the Sub-I level. This rotation does not fulfill the "sub-internship" requirement of the 4th year. You must still complete a "sub-internship" in Family Medicine, Internal Medicine or Pediatrics.

Req. Emergency Medicine-Jacksonville
EMD R 1J | 4th Year Required | Emergency Medicine | Clinical Science

Prerequisites
MS3 clinical curriculum (at least Internal Medicine and Surgery)

Course Description
COURSE GOALS:
At the end of a 4-week rotation, a 4th year medical student should be able to do the following:
1. Demonstrate the Emergency Medicine "ABC's" approach in the evaluation of emergency patients.
2. Perform an initial evaluation of the undifferentiated Emergency Medicine patient, with focus on stabilization of acutely ill patients, and function as a member of Emergency Department team.
3. Be able to perform an evaluation of the trauma patient with initial primary survey, addressing life-threatening problems first, followed by the secondary survey.
4. Participate in prehospital care and be able to describe the structure, function and limitations of the EMS system.
5. Be able to manage patients with toxic exposures in general, and be able to recognize and treat common overdoses from reading and lecture assignments.
6. Be able to evaluate and treat common environmental illnesses.
7. Work to sharpen procedure skills by performing IV catheter insertion, urinary catheter insertion,
suturing, and other necessary invasive procedures.
8. Recognize the limitations of Emergency Department, establishing appropriate consult and referral skills.

Course Faculty and Staff

- Debra Eurom (Course Staff)
- Thomas K Morrissey MD, PhD (Director)
- Dani Brown (Course Staff)

Meeting Place and Time

Orientation: first Monday of the rotation.
Jacksonville - 8:30 am in the conference room of the Emergency Medicine Administrative offices; 1st floor; Clinical Center. Time and place subject to change. Students will be notified by email ahead of time.

Course Materials

CDEMCurriculum.com
http://www.ufjaxem.com/clerkship/ Recommended reading and clerkship calendar
www.saemtests.org Login and password provided, access to practice exams

Req. General Medicine - Jacksonville

MED R 1J | 4th Year Required | Internal Medicine | Clinical Science

Prerequisites

4th year UF medical student

Course Description

Students will be involved in inpatient care while on the General Medicine service. They will serve on the medical wards as acting interns (externs) under the supervision of residents and attending physicians from the Department of Medicine. Objectives of the externship are to learn to perform a thorough patient evaluation, formulate an extensive differential diagnosis, effectively utilize consultative services, perform diagnostic procedures and implement a therapeutic regimen for the patients under their care.

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Other Faculty)
- Carlos Palacio MD (Director)
- Kathy Pipkins (Course Staff)
- Lavetta Jones (Course Staff)
- Dani Brown (Course Staff)

Meeting Place and Time

LRC 4th Floor, GME Office(8:00 AM)

Course Materials
Comprehensive textbook in Internal Medicine; Online access to library database resources.

**Req. Medicine - Shands/Cardiology**  
**MED R 1C | 4th Year Required | Internal Medicine | Clinical Science**

**Prerequisites**

Satisfactory completion of third year Medicine Clerkship - 4th year UF medical student

**Course Description**

Develop ability to function as an acting intern which incorporates assessment and management of general medical problems. Develop ability to work as a member of the health care team to provide patient care.

**Course Faculty and Staff**

- Kathy Pipkins (Course Staff)
- L. Chad Hood MD (Director)
- Matthew Staehnke (Course Staff)

**Meeting Place and Time**

Students will meet their teams for rounds at 8AM on the first day of the rotation. Students will be contacted by email regarding the time and place for orientation with Dr. Harrell on the first Monday of the rotation.

**Course Materials**

Please refer to the 4th Year link on our Clerkship website at:  
www.medicine.ufl.edu/3rd_year_clerkship

**Additional Information**

METHODS OF EVALUATION: Attending and resident submit a written evaluation of the student's performance at the end of the four week period. Students will be evaluated based on their performance as acting interns. The basis of the evaluation will be interaction with patients, medical knowledge, clinical judgment, quality of medical histories and physical examinations, humanistic qualities, professional attitudes and behavior, and demonstrated ethical standards. An unsatisfactory evaluation can result from failure to meet an acceptable norm in any of these areas.

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**Req. Medicine - Shands/General Hospitalist Service**  
**MED R 1GM | 4th Year Required | Internal Medicine | Clinical Science**

**Prerequisites**

Satisfactory completion of third year Medicine Clerkship - 4th year UF medical student

**Course Description**

The subinternship in Medicine emphasizes building on skills learned in the third year with an emphasis on management of patients, disease processes, and time. Cross cover and training in the
management of common medical emergencies encountered during an internship are key experiences. Acting interns are given essentially the same responsibility as interns with additional oversight by a resident.

The hospitalist (Green Medicine) service is comprised of two faculty hospitalists who rotate one week on and one week off and two residents. There are no interns and rounds are less structured which allows particularly motivated students more autonomy and the ability to function as the intern for the team.

Course Faculty and Staff

- Kathy Pipkins (Course Staff)
- L. Chad Hood MD (Director)
- Matthew Staehnke (Course Staff)

Meeting Place and Time

Students will meet their teams for rounds at 8AM on the first day of the rotation. Students will be contacted by email regarding the time and place for orientation with Dr. Harrell on the first Monday of the rotation.

Course Materials

Please refer to the 4th Year link on our Clerkship website at:
www.medicine.ufl.edu/3rd_year_clerkship

Req. Medicine - Shands/General Service

MED R 1 | 4th Year Required | Internal Medicine | Clinical Science

Prerequisites

Satisfactory completion of third year Medicine Clerkship - 4th year UF medical student

Course Description

The subinternship in Medicine emphasizes building on skills learned in the third year with an emphasis on management of patients, disease processes, and time. Cross cover and training in the management of common medical emergencies encountered during an internship are key experiences. Acting interns are given essentially the same responsibility as interns with additional oversight by a resident.

Course Faculty and Staff

- Kathy Pipkins (Course Staff)
- L. Chad Hood MD (Director)
- Matthew Staehnke (Course Staff)

Meeting Place and Time

Students will meet their teams for rounds at 8AM on the first day of the rotation. Students will be contacted by email regarding the time and place for orientation with Dr. Harrell on the first Monday of the rotation.
Course Materials

Please refer to the 4th Year link on our Clerkship website at:
www.medicine.ufl.edu/3rd_year_clerkship

Req. Medicine - Shands/GI
MED R 1G | 4th Year Required | Internal Medicine | Clinical Science

Prerequisites
Satisfactory completion of third year Medicine Clerkship - 4th year UF medical student

Course Description
The subinternship in Medicine emphasizes building on skills learned in the third year with an emphasis on management of patients, disease processes, and time. Cross cover and training in the management of common medical emergencies encountered during an internship are key experiences. Acting interns are given essentially the same responsibility as interns with additional oversight by a resident.

Course Faculty and Staff
- Kathy Pipkins (Course Staff)
- L. Chad Hood MD (Director)
- Matthew Staehnke (Course Staff)

Meeting Place and Time
Students will meet their teams for rounds at 8AM on the first day of the rotation. Students will be contacted by email regarding the time and place for orientation with Dr. Harrell on the first Monday of the rotation.

Course Materials
Please refer to the 4th Year link on our Clerkship website at:
www.medicine.ufl.edu/3rd_year_clerkship

Additional Information
METHODS OF EVALUATION: Attending and resident submit a written evaluation of the student's performance at the end of the four week period. Students will be evaluated based on their performance as acting interns. The basis of the evaluation will be interaction with patients, medical knowledge, clinical judgement, quality of medical histories and physical examinations, humanistic qualities, professional attitudes and behavior, and demonstrated ethical standards. An unsatisfactory evaluation can result from failure to meet an acceptable norm in any of these areas.

Req. Medicine - Shands/Hematology Oncology
MED R 1H | 4th Year Required | Internal Medicine | Clinical Science

Prerequisites
Satisfactory completion of third year Medicine Clerkship - 4th year UF medical student
Course Description

The subinternship in Medicine emphasizes building on skills learned in the third year with an emphasis on management of patients, disease processes, and time. Cross cover and training in the management of common medical emergencies encountered during an internship are key experiences. Acting interns are given essentially the same responsibility as interns with additional oversight by a resident.

Course Faculty and Staff

- Kathy Pipkins (Course Staff)
- L. Chad Hood MD (Director)
- Matthew Staehnke (Course Staff)

Meeting Place and Time

Students will meet their teams for rounds at 8AM on the first day of the rotation. Students will be contacted by email regarding the time and place for orientation with Dr. Harrell on the first Monday of the rotation.

Course Materials

Please refer to the 4th Year link on our Clerkship website at:
www.medicine.ufl.edu/3rd_year_clerkship

Additional Information

METHODS OF EVALUATION: Attending and resident submit a written evaluation of the student's performance at the end of the four week period. Students will be evaluated based on their performance as acting interns. The basis of the evaluation will be interaction with patients, medical knowledge, clinical judgment, quality of medical histories and physical examinations, humanistic qualities, professional attitudes and behavior, and demonstrated ethical standards. An unsatisfactory evaluation can result from failure to meet an acceptable norm in any of these areas.

Req. Medicine - VA

MED R 2 | 4th Year Required | Internal Medicine | Clinical Science

Prerequisites

Satisfactory completion of third year Medical Clerkship - 4th year UF medical student

Course Description

The subinternship in Medicine emphasizes building on skills learned in the third year with an emphasis on management of patients, disease processes, and time. Cross cover and training in the management of common medical emergencies encountered during an internship are key experiences. Acting interns are given essentially the same responsibility as interns with additional oversight by a resident.

Course Faculty and Staff

- Kathy Pipkins (Course Staff)
- L. Chad Hood MD (Director)
Meeting Place and Time

Students will meet on their assigned wards at 8:00am on the first day of the rotation (Monday). Students will be contacted by email regarding the time and place for orientation with Dr. Harrell on the first Monday of the rotation.

Course Materials

Please refer to the 4th Year link on our Clerkship website at:
www.medicine.ufl.edu/3rd_year_clerkship

Req. Pediatrics - Shands General

PED R 1 | 4th Year Required | Pediatrics | Clinical Science

Prerequisites

Satisfactory completion of third year pediatric clerkship. - 4th year UF medical student

Course Description

COURSE GOALS: To learn comprehensive management of pediatric inpatients by assuming primary responsibility for their care including the history and physical examination, formulating independent assessments and plans, writing orders and arranging consultation and follow-up care. The student will function as an acting-intern and will be supervised by the attending and the senior resident. There will also be opportunities for procedure skills labs and individualized meetings with the course director to discuss pertinent pediatric topics. The objective of this clerkship is to prepare the interested student for an internship in pediatrics.

Course Faculty and Staff

- Genie Kahn Beasley MD (Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time

Pediatrics Inpatient Service, Shands Hospital at the University of Florida, Gainesville

Course Materials

Nelson Textbook of Pediatric or Oski Principles and Practice of Pediatrics, pertinent journal and Internet resources; Recommended text is Zitelli Davis Atlas of Pediatric Physical Diagnosis

Additional Information

You will act as an intern on one of three of the inpatient pediatric teams. You will receive a schedule and more information before you begin from the course director and the chief residents.

Req. Pediatrics - Shands NICU

PED R 2 | 4th Year Required | Pediatrics | Clinical Science
Prerequisites
Satisfactory completion of third year pediatric clerkship - 4th year UF medical student

Course Description
COURSE GOALS: To learn comprehensive management of ill neonates by assuming primary responsibility for their care including the history and physical examination, writing orders and arranging consultation and follow-up care. The student will function as an acting-intern and will be supervised by the attending and the senior resident. There will also be opportunities for procedure skills labs and individualized meetings with the course director to discuss pertinent pediatric topics. The objective of this clerkship is to prepare the interested student for an internship in pediatrics.

Course Faculty and Staff
- David J Burchfield MD (Other Faculty)
- Genie Kahn Beasley MD (Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time
Neonatal Intensive Care Unit

Course Materials
Nelson Textbook of Pediatric or Oski Principles and Practice of Pediatrics, pertinent journal and Internet resources

Req. Pediatrics-Team A-Jacksonville (Wolfson's)
PED R 1J | 4th Year Required | Pediatrics | Clinical Science

Prerequisites
Satisfactory completion of third year pediatric clerkship, 4th year medical student

Course Description
Team A = General Pediatrics
COURSE GOALS: To learn comprehensive management of pediatric inpatients by assuming primary responsibility for their care including the history and physical examination, writing orders and arranging consultation and follow-up care.

Course Faculty and Staff
- Frank J Genuardi MD, MPH (Director)
- Chelsea Rountree (Course Staff)
- Dani Brown (Course Staff)
- Adriana Cantville DO (Other Faculty)
- Joanne Carlson MD (Other Faculty)
- Kuo "Jimmy" Chen MD (Other Faculty)
- Matthew Garber MD (Other Faculty)
- Sara Hmielowski MD (Other Faculty)
Meeting Place and Time
Pediatric Education Office, 841 Prudential Drive, Suite 1130 - 11th floor, Aetna Building, Jacksonville
8 a.m.
(student will report to Wolfson Children's Hospital after checking in)

Course Materials
The Harriet Lane Handbook, Bright Futures Pocket guide, pertinent journal and Internet resources

Additional Information
You will act as an intern on one of the pediatric teams. You will receive a schedule and more information before you begin from the course director and chief residents.

Req. Pediatrics-Team B-Jacksonville (Wolfson’s)
PED R 2J | 4th Year Required | Pediatrics | Clinical Science

Prerequisites
Satisfactory completion of third year pediatric clerkship, 4th year medical student

Course Description
Team B = Hematology/Oncology

COURSE GOALS: To learn comprehensive management of pediatric inpatients by assuming primary responsibility for their care including the history and physical examination, writing orders and arranging consultation and follow-up care.

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Director)
- Chelsea Rountree (Course Staff)
- Dani Brown (Course Staff)
- Manisha Bansal MD (Other Faculty)
- Scott Bradfield MD (Other Faculty)
- Cynthia Gauger MD (Other Faculty)
- Michael Joyce MD (Other Faculty)
- Eric Sandler MD (Other Faculty)

Meeting Place and Time
Pediatric Education office, 841 Prudential Drive, Suite 1130 - 11th floor, Aetna Building, Jacksonville 32207
8 a.m.
(Student will report to Wolfson Children's Hospital after checking in)
Course Materials

The Harriet Lane Handbook, Bright Futures Pocket Guide, pertinent journal and Internet resources

Additional Information

You will act as an intern on one of the pediatric teams. You will receive a schedule and more information before you begin from the course director and chief residents.

Req. Pediatrics-Team C-Jacksonville (Wolfson's)

PED R 3J | 4th Year Required | Pediatrics | Clinical Science

Prerequisites

Satisfactory completion of third year pediatric clerkship, 4th year medical student

Course Description

Team C = General Pediatrics
COURSE GOALS: To learn comprehensive management of pediatric inpatients by assuming primary responsibility for their care including the history and physical examination, writing orders and arranging consultation and follow-up care.

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Director)
- Chelsea Rountree (Course Staff)
- Dani Brown (Course Staff)
- Adriana Cantville DO (Other Faculty)
- Joanne Carlson MD (Other Faculty)
- Kuo "Jimmy" Chen MD (Other Faculty)
- Matthew Garber MD (Other Faculty)
- Sara Hmielowski MD (Other Faculty)
- Nedda Maltby MD (Other Faculty)
- Asma Salahuddin MD (Other Faculty)
- Caitlin Wainscott MD (Other Faculty)
- Jeffrey Winer MD (Other Faculty)

Meeting Place and Time

Pediatric Education Office, 841 Prudential Drive, Suite 1130 - 11th floor, Aetna Building, Jacksonville 8 a.m.
(student will report to Wolfson Children's Hospital after checking in)

Course Materials

The Harriet Lane Handbook, Bright Futures Pocket guide, pertinent journal and Internet resources

Additional Information

You will act as an intern on one of the pediatric teams. You will receive a schedule and more information before you begin from the course director and chief residents.
**Required General Surgery - Jacksonville**

SUR R 1J | 4th Year Required | Surgery | Clinical Science

**Prerequisites**

Satisfactory completion of third year Medicine Clerkship - 4th year UF medical student

**Course Description**

The sub-internship in General Surgery emphasizes building on skills learned in the third year with an emphasis on management of the perioperative patient. The student will function as a first year resident under the supervision of the attending and senior resident staff to see and follow assigned patients, participate in consultations and bedside procedures and wound care, and be in the OR for assistance at a variety of procedures.

**Course Faculty and Staff**

- **Dani Brown** (Course Staff)
- **Frank J Genuardi MD, MPH** (Other Faculty)
- **Ziad Awad MD** (Other Faculty)
- **Laila Samiian MD** (Other Faculty)
- **Jessica Pittman** (Course Staff)
- **Sarah Fernandez MD** (Director)
- **D. Scott Lind MD** (Co-Director)
- **Bharti Jasra MD** (Other Faculty)
- **Shane Hester DO** (Other Faculty)
- **Brian Dalton MD** (Other Faculty)
- **Eric Pinnar MD** (Other Faculty)

**Meeting Place and Time**

8:30 AM: Student Coordinator's (Teresa Pitchford and Eugenia Smith) office; 3rd floor Faculty Clinic

**Course Materials**

None

**Additional Information**

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**Required General Surgery/Acute Care**

SUR R 1 | 4th Year Required | Surgery | Clinical Science

**Prerequisites**

Satisfactory completion of third year Medicine Clerkship - 4th year UF medical student

**Course Description**

The subinternship in General Surgery emphasizes building on skills learned in the third year with an emphasis on management of the perioperative patient. The overall purpose of this advanced surgical elective is to provide a faculty-mentored, learner-centered surgical experience for senior
students with surgery as a career goal. He or she will become aware of the daily responsibilities of the general surgery intern, including education of 3rd year medical students and perioperative care of the surgical patient. Each student will participate in patient care overnight (5 nights) to more fully learn about the role of the intern including, but not limited to, the process of calling up the chain and experiencing more autonomy with regard to patient care. Students will be expected to attend Department of Surgery conferences including division-specific educational session, Morbidity and Mortality Conference and Surgical Grand Rounds. Furthermore, the student will be assisting in the Operating Rooms and seeing patients in clinic. We expect that acting interns will prepare for cases and conferences as any other member of the team, and will be held accountable for these. At the conclusion of the 4-week rotation, the student will present a 30-minute slide presentation on some aspect of Acute Care Surgery in the didactic format to the residents. He or she should choose a faculty mentor who will assist in the assimilation and delivery of this lecture. This lecture should be evidence-based, and articles from accredited journals should be referenced.

The emphasis will be on active, rather than passive, educational methods, and preceptors will stress independent, self-directed learning.

Acting interns will follow patients from the operating room to the ward and participate in the full spectrum of perioperative care. Acting interns are given essentially the same responsibility as interns with additional oversight by a team of surgery residents and faculty.

Course Faculty and Staff

- Chasen Croft MD (Director)
- Ashley Beavers (Course Staff)
- Adela Van Antwerp (Course Staff)

Meeting Place and Time

Students will meet their teams for rounds at 5:30am on the first day of the rotation. Students are advised to contact the Surgery Education Office on the Wednesday before the start of the rotation for reporting information.

Course Materials

Please refer to the 4th Year link on our Clerkship website at:
www.surgery.ufl.edu/4thyear_required_reading

Additional Information

Clinical evaluation worth 90 points.
Presentation worth 10 points.

Required General Surgery/Colorectal

SUR R 2 | 4th Year Required | Surgery | Clinical Science

Prerequisites

Satisfactory completion of third year Medicine Clerkship - 4th year UF medical student

Course Description
The subinternship in General Surgery emphasizes building on skills learned in the third year with an emphasis on management of the perioperative patient. The overall purpose of this advanced surgical elective is to provide a faculty-mentored, learner-centered surgical experience for senior students with surgery as a career goal. He or she will become aware of the daily responsibilities of the general surgery intern, including education of 3rd year medical students and perioperative care of the surgical patient. Each student will participate in patient care overnight (5 nights) to more fully learn about the role of the intern including, but not limited to, the process of calling up the chain and experiencing more autonomy with regard to patient care. Students will be expected to attend Department of Surgery conferences including division-specific educational session, Morbidity and Mortality Conference and Surgical Grand Rounds. Furthermore, the student will be assisting in the Operating Rooms and seeing patients in clinic. We expect that acting interns will prepare for cases and conferences as any other member of the team, and will be held accountable for these. At the conclusion of the 4-week rotation, the student will present a 30-minute slide presentation on some aspect of Colorectal Surgery in the didactic format to the residents. He or she should choose a faculty mentor who will assist in the assimilation and delivery of this lecture. This lecture should be evidence-based, and articles from accredited journals should be referenced.

The emphasis will be on active, rather than passive, educational methods, and preceptors will stress independent, self-directed learning. Acting interns will follow patients from the operating room to the ward and participate in the full spectrum of perioperative care. Acting interns are given essentially the same responsibility as interns with additional oversight by a team of surgery residents and faculty.

Course Faculty and Staff

- **Sanda Tan MD, PhD** (Director)
- **Ashley Beavers** (Course Staff)
- **Adela Van Antwerp** (Course Staff)

Meeting Place and Time

Students will meet their teams for rounds at 6:00am on the first day of the rotation. Students should contact the Surgery Education Office a week in advance for reporting information.

Course Materials

Please refer to the 4th Year link on our Clerkship website at:

www.surgery.ufl.edu/4thyear_required_reading

Additional Information

Clinical evaluation worth 90 points.
Presentation worth 10 points.

Required General Surgery/Pediatric Surgery

SUR R 4 | 4th Year Required | Surgery | Clinical Science

Prerequisites

Satisfactory completion of third year Medicine Clerkship - 4th year UF medical student

Course Description
The subinternship in General Surgery emphasizes building on skills learned in the third year with an emphasis on management of the perioperative patient. The overall purpose of this advanced surgical elective is to provide a faculty-mentored, learner-centered surgical experience for senior students with surgery as a career goal. He or she will become aware of the daily responsibilities of the general surgery intern, including education of 3rd year medical students and perioperative care of the surgical patient. Each student will participate in patient care overnight (5 nights) to more fully learn about the role of the intern including, but not limited to, the process of calling up the chain and experiencing more autonomy with regard to patient care. Students will be expected to attend Department of Surgery conferences including division-specific educational session, Morbidity and Mortality Conference and Surgical Grand Rounds. Furthermore, the student will be assisting in the Operating Rooms and seeing patients in clinic. We expect that acting interns will prepare for cases and conferences as any other member of the team, and will be held accountable for these. At the conclusion of the 4-week rotation, the student will present a 30-minute slide presentation on some aspect of Pediatric Surgery in the didactic format to the residents. He or she should choose a faculty mentor who will assist in the assimilation and delivery of this lecture. This lecture should be evidence-based, and articles from accredited journals should be referenced.

Course Faculty and Staff

- Adela Van Antwerp (Course Staff)
- Saleem Islam MD (Director)
- Ashley Beavers (Course Staff)

Meeting Place and Time

Students will meet their teams for rounds at 6:00am on the first day of the rotation. Students should contact the Surgery Education Office a week in advance for reporting information.

Course Materials

Please refer to the 4th Year link on our Clerkship website at: www.surgery.ufl.edu/4thyear_required_reading

Additional Information

Clinical evaluation worth 90 points.
Presentation worth 10 points.

Required General Surgery/VA General

SUR R 3 | 4th Year Required | Surgery | Clinical Science

Prerequisites

Satisfactory completion of third year Medicine Clerkship - 4th year UF medical student

Course Description

The subinternship in General Surgery emphasizes building on skills learned in the third year with an emphasis on management of the perioperative patient. The overall purpose of this advanced surgical elective is to provide a faculty-mentored, learner-centered surgical experience for senior students with surgery as a career goal. He or she will become aware of the daily responsibilities of the general surgery intern, including education of 3rd year medical students and perioperative care
of the surgical patient. Each student will participate in patient care overnight (5 nights) to more fully learn about the role of the intern including, but not limited to, the process of calling up the chain and experiencing more autonomy with regard to patient care. Students will be expected to attend Department of Surgery conferences including division-specific educational session, Morbidity and Mortality Conference and Surgical Grand Rounds. Furthermore, the student will be assisting in the Operating Rooms and seeing patients in clinic. We expect that acting interns will prepare for cases and conferences as any other member of the team, and will be held accountable for these. At the conclusion of the 4-week rotation, the student will present a 30-minute slide presentation on some aspect of General Surgery in the didactic format to the residents. He or she should choose a faculty mentor who will assist in the assimilation and delivery of this lecture. This lecture should be evidence-based, and articles from accredited journals should be referenced.

The emphasis will be on active, rather than passive, educational methods, and preceptors will stress independent, self-directed learning.
Acting interns will follow patients from the operating room to the ward and participate in the full spectrum of perioperative care. Acting interns are given essentially the same responsibility as interns with additional oversight by a team of surgery residents and faculty.

Course Faculty and Staff

- Anthony McDonald MD (Director)
- Ashley Beavers (Course Staff)
- Adela Van Antwerp (Course Staff)

Meeting Place and Time

Students will meet their teams for rounds at 6:00am on the first day of the rotation. Students should contact the Surgery Education Office a week in advance for reporting information.

Course Materials

Please refer to the 4th Year link on our Clerkship website at:
www.surgery.ufl.edu/4thyear_required_reading

Additional Information

Clinical evaluation worth 90 points.
Presentation worth 10 points.

Required General Surgery/Vascular Surgery

SUR R 5 | 4th Year Required | Surgery | Clinical Science

Prerequisites

Satisfactory completion of third year Medicine Clerkship - 4th year UF medical student

Course Description

The subinternship in General Surgery emphasizes building on skills learned in the third year with an emphasis on management of the perioperative patient. The overall purpose of this advanced surgical elective is to provide a faculty-mentored, learner-centered surgical experience for senior students with surgery as a career goal. He or she will become aware of the daily responsibilities of
the general surgery intern, including education of 3rd year medical students and perioperative care of the surgical patient. Each student will participate in patient care overnight (5 nights) to more fully learn about the role of the intern including, but not limited to, the process of calling up the chain and experiencing more autonomy with regard to patient care. Students will be expected to attend Department of Surgery conferences including division-specific educational session, Morbidity and Mortality Conference and Surgical Grand Rounds. Furthermore, the student will be assisting in the Operating Rooms and seeing patients in clinic. We expect that acting interns will prepare for cases and conferences as any other member of the team, and will be held accountable for these. At the conclusion of the 4-week rotation, the student will present a 30-minute slide presentation on some aspect of Vascular Surgery in the didactic format to the residents. He or she should choose a faculty mentor who will assist in the assimilation and delivery of this lecture. This lecture should be evidence-based, and articles from accredited journals should be referenced.

The emphasis will be on active, rather than passive, educational methods, and preceptors will stress independent, self-directed learning.

Acting interns will follow patients from the operating room to the ward and participate in the full spectrum of perioperative care. Acting interns are given essentially the same responsibility as interns with additional oversight by a team of surgery residents and faculty.

Course Faculty and Staff

- Adela Van Antwerp (Course Staff)
- Javairiah Fatima MD (Director)
- Ashley Beavers (Course Staff)

Meeting Place and Time

Students will meet their teams for rounds at 5:30 am on the first day of the rotation. Students should contact the Surgery Education Office a week in advance for reporting information.

Course Materials

Please refer to the 4th Year link on our Clerkship website at:
www.surgery.ufl.edu/4thyear_required_reading

Additional Information

Clinical evaluation worth 90 points.
Presentation worth 10 points.

Required Surgery/Pancreas and Biliary Surgery

SUR R 6 | 4th Year Required | Surgery | Clinical Science

Prerequisites

Satisfactory completion of third year Medicine Clerkship - 4th year UF medical student

Course Description

The subinternship in Pancreas and Biliary Surgery emphasizes building on skills learned in the third year with an emphasis on management of the perioperative patient. The overall purpose of this advanced surgical elective is to provide a faculty-mentored, learner-centered surgical experience for
senior students with surgery as a career goal. He or she will become aware of the daily responsibilities of the general surgery intern, including education of 3rd year medical students and perioperative care of the surgical patient. Each student will participate in patient care overnight (5 nights) to more fully learn about the role of the intern including, but not limited to, the process of calling up the chain and experiencing more autonomy with regard to patient care. Students will be expected to attend General Surgery related conferences including division-specific educational session, Morbidity and Mortality Conference and Surgical Grand Rounds. Furthermore, the student will be assisting in the Operating Rooms and seeing patients in clinic. Although the curriculum is flexible, it is expected that the student will prepare for cases and conferences as any other member of the team, and will be held accountable for these. At the conclusion of the 4-week rotation, the student will present a 30-minute slide presentation on some aspect of Pancreas and Biliary Surgery in the didactic format to the residents. He or she should choose a faculty mentor who will assist in the assimilation and delivery of this lecture. This lecture should be evidence-based, and articles from accredited journals should be referenced.

The emphasis will be on active, rather than passive, educational methods, and preceptors will stress independent, self-directed learning.

Acting interns will follow patients from the operating room to the ward and participate in the full spectrum of perioperative care. Acting interns are given essentially the same responsibility as interns with additional oversight by a team of surgery residents and faculty.

**Course Faculty and Staff**

- Jose Trevino MD (Director)
- Ashley Beavers (Course Staff)
- Adela Van Antwerp (Course Staff)

**Meeting Place and Time**

Students will meet their teams for rounds at 6AM on the first day of the rotation unless directed otherwise. Students will be contacted by email with information about where to locate their clinical team.

**Course Materials**

Provided by attending on start of the rotation

**Rheumatology and Clinical Immunology**

**MED E 8 | 4th Year Elective | Internal Medicine | Clinical Science**

**Prerequisites**

Completion of Internal Medicine Core Rotation

**Course Description**

Outpatient rheumatology is a two week long rotation. Students will spend each morning and afternoon rotating through various clinics in rheumatology and see a wide variety of disorders including but not limited to diseases such as osteoarthritis, rheumatoid arthritis, lupus, psoriatic arthritis, Sjogren’s syndrome, ankylosing spondylitis, and gout. Students will also attend educational conferences through the division of rheumatology. Students will observe and assist in joint injections and aspirations under the supervision and guidance of fellows and attendings in rheumatology. The
rotation may be tailored to match any specific area of interest, including participation in consultations.

**Course Faculty and Staff**

- N. Lawrence Edwards MD (Other Faculty)
- Paulette C Hahn MD (Other Faculty)
- Michael R Bubb MD (Director)
- John Massini MD (Co-Director)
- Christine Dortch (Course Staff)
- Eric S Sobel MD (Other Faculty)
- Matthew Staehnke (Course Staff)
- Viju Moses MBBS (Other Faculty)

**Meeting Place and Time**

Follow the emailed schedule. Call the Rheumatology Academic Office if you do not receive an email 352-273-8203.

**Course Materials**

Required Reading:
- When available, Rheumatology Quiz App for reinforcement of what you are learning in the clinic.

**Additional Information**

Non-UF students must apply through VSAS.

**Rural Preceptorship**

CM E 4 | 4th Year Elective | Community Health and Family Medicine | Clinical Science

**Prerequisites**

Fourth Year Medical Student

"Students must prearrange this rotation with the Course Director prior to scheduling."

**Course Description**

"A wide variety of sites are available, including the opportunity to return to the office of the student's first year preceptor."

Approval to participate in this elective must be obtained from the course director prior to scheduling.
COURSE GOALS: To participate in a general or specialty practice in a rural community. The student will live in the community during this rotation and participate in all aspects of his/her preceptors practice. Housing and transportation provided through the Univ. of FL. AHEC office.

LIST OF PRECEPTORS:

CARDIOLOGY

Joseph Cherian, M.D., F.A.C.C. - Milton, FL,
Practice is 60% cardiology, 40% Internal Medicine. Office practice.
Includes: electro/echocardiograms, doppler, color flow doppler, stress tests, holter monitors, pacemakers.

Angel Morrobel, M.D. - Sacred Heart Medical Group, Miramar Beach, FL Group practice associated w/ Sacred Heart Hospital on the Emerald Coast Echocardiograms, transesophageal echos, nuclear stress tests, cardiac catheterization, pacemaker analysis.

DERMATOLOGY

Charles Trapp, M.D. - Emerald Coast Dermatology, Crestview, Destin, Fort Walton Beach FL
Group practice, Focus on skin cancer detection, Active Mohs Micrographic Surgery, General Dermatology, Outpatient cutaneous surgery.

FAMILY PRACTICE

William Belk, M.D. - Gulf Coast Physician Partners

Jerry Boland, M.D. - Taylor County Public Health Unit.
Dr. Boland is the director of the Taylor County Public Health Unit in Perry, Florida. He practices at the health unit in this remote rural county. This experience would be particularly helpful to those interested in public health.

John Johnson, M.D. - Sacred Heart Crestview Medical Group, Crestview, FL Very busy group practice, interdisciplinary w/ ARNPs, PAs and specialists. Inpatient/Nursing Home, Diabetes Clinic.

Coy Irvin, M.D. - Gulf Coast Physician Partners

Jonathan Fountain, M.D. - Milton, FL
Solo practice, UF Graduate

Dennis Mayeaux, M.D. - Gulf Coast Physician Partners, Milton, FL
Very busy group practice, Clerkship Director for Family Practice FSU COM, Patients rural/underserved, 40 patients per day, Huge Gator Fan, Inpatient.

Lance Raney, M.D. - Century Medical Center, Century, FL
Extremely rural site for minority and underserved patients, Small hospital.

George Smith, M.D. - Escambia Community Clinics, Pensacola, FL
Federally Qualified Health Center, Dr. Smith is the Medical Director, Primary training site for 3rd/4th year FSU medical students, Outpatient ambulatory care center, Urgent care facility, extended hours. Facility has full x-ray and lab services. Patients are primarily indigent/underserved. Clinic provides acute/urgent care services.

INTERNAL MEDICINE
Garry Banks, M.D. - Niceville, Destin, FL
Solo practice, UF Graduate, Sees a large number of diabetic patients, HUGE Gator Fan, Inpatient

Wayne Campbell, M.D. - Sacred Heart Crestview Medical Group, Crestview, FL
Very busy group practice, large mix of patients, interdisciplinary w/ ARNPs, PAs and specialists.

Fulton DeFour, M.D. - West Florida Hospital, Pensacola, FL
Hospitalist and experienced preceptor

Michael Foley, M.D. - Crestview, FL
Solo practice, medically underserved and rural population, works late afternoon and evening hours, Inpatient.

Warren Groff, M.D. - Fernandina Beach
Dr. Groff's office is located in Fernandina Beach which is in the north east corner of Florida. He practices with Dr. Tomlinson, another family practitioner, and Dr. Buford, whose specialty is internal medicine.

Andrew Teklinski, M.D. - Yonge, Law and Teklinski
Group practice. 5-10 hospital patients per week. Patients are primarily medicare with a lot of medical problems.

Lee Thigpen, M.D. - Sacred Heart Crestview Medical Group, Crestview, FL
Very busy group practice, large mix of patients, interdisciplinary w/ ARNPs, PAs and specialists, Lipid Specialist, Preventive Medicine, Inpatient

ORTHOPAEDICS/ORTHOPAEDIC SURGERY

Thomas Fox, D.O. - Bluewater Orthopaedics, Niceville, Destin, Crestview, FL Busy group practice, Board certified in Orthopaedic Surgery, Sports Medicine, Inpatient.

Michael Gilmore, MD - Panhandle Orthopaedics; Marianna, Florida (850)526-4555 - Clinic 2 to 3 times a week - Surgery 2 to 3 times a week. Housing arranged for students - no weekend call.

OTOLARYNGOLOGY

Charles Grayson, D.O. - Crestview ENT, Crestview, FL
Solo Practice, 40% pediatric, 60% adult.

PEDIATRICS

Bilal Khodr, MD; Perry, Florida

John Van Ostenbridge, M.D. - Emerald Coast Pediatrics, Milton, FL
Very busy practice, Patients rural/underserved, Inpatient.

Corey Wolff, M.D. - The Wolff Center for Child and Adolescent Health, Pensacola, FL
Solo practice.

SURGERY

Dennis Stewart, M.D. - Crestview, FL
Solo Practice, General, trauma, thoracic, vascular, advanced laparoscopic surgical procedures.

Kurt Stockamp, M.D. - Pensacola, FL
Group practice, General Surgery.
Course Faculty and Staff

- Robert L Hatch MD (Director)
- Shawn Murphy (Course Staff)

Meeting Place and Time

To be arranged.

Course Materials

NA

Additional Information

Approval to participate in this course must be obtained from the course director and the preceptor prior to scheduling.

Senior Urology Clerkship - Jacksonville

SUR E 9J | 4th Year Elective | Urology | Clinical Science

Prerequisites

4th year medical student

Course Description

The Fourth year elective is designed specifically for the student with a serious interest in a residency in urology. The level of responsibility will be the same as a 1st year resident. Students serve as the primary physician under faculty supervision for outpatient clinic and in-patient consults. Students will be expected to take a more active role in the operating room as well as pre-operative and post-operative care of urologic patients under the direct supervision of the urology staff. Self-education is stressed; but students also attend major departmental conferences. Recommended text for reading is an excellent understanding (i.e. read in preparation) of, "Smith's General Urology," Emil A. Tanagho and Jack McAninch Editors, most current edition is #18 at the time of this updated course description.

Course Faculty and Staff

- Frank J Genuardi MD, MPH (Other Faculty)
- Joseph Costa DO (Other Faculty)
- Christopher Williams MD (Other Faculty)
- Stephen Mandia MD (Director)
- Dani Brown (Course Staff)
- Joanne Albaladejo (Course Staff)

Meeting Place and Time

8:00am in Urology Office Suite, 3rd Floor Faculty Clinic. Lakeshia Smoot, Executive Assistant (904-244-7340), will direct students to next place of learning.

Course Materials
Special Projects in the History of Medicine

NEUR E 5 | 4th Year Elective | Neurology | Clinical Science

Prerequisites

Must be a 4th year medical student

Course Description

There will be a general introduction to history of medicine, historical documents and research methods. This rotation provides an opportunity to work on exhibits, posters, brochures describing the history of medicine, to conduct oral history interviews and to work on projects collecting, organizing, cataloguing and preserving historical materials. A special research project will be required. Students may also elect to do a History of Medicine topic or research in a specified area under the mentorship of the director. They may choose to publish their results in a peer reviewed journal.

Course Faculty and Staff

- Michael S Okun MD (Director)
- Shuri Pass (Course Staff)

Meeting Place and Time

TBA, once a week meetings with the mentor. Meetings usually Tuesday mornings.

Course Materials

None needed as the course will be defined by the individual student's choice of topic. The student will be asked to assemble primary references based on their choice of topic. As part of the course they may apply for funding through an endowment to travel to obtain primary historical source documents.

Additional Information

This is designed to be a fun elective topic and will ultimately end in a potentially publishable manuscript on history of medicine. Progress reports are due every Monday night (by email).

Student Health - UF Infirmary

CM E 2 | 4th Year Elective | Community Health and Family Medicine | Clinical Science

Prerequisites

Fourth Year Medical Student

Course Description

COURSE GOALS: To introduce students to the interesting field of Student Health Medicine, combining aspects of Family Medicine, Adolescent Medicine, Sports Medicine, Urgent Care, and Preventive Medicine.
Course Faculty and Staff

- Ronald L Berry MD (Director)

Meeting Place and Time

Student Health Care Center, Infirmary Building, Main Campus. Work Schedule Monday through Friday, 8:00am to 5:00pm.

Course Materials

Selected readings in Student Health.

Additional Information

Student may contact Dr. Berry for more information at 352-294-7475 or rberry@ufl.edu

Surgery - Clinical Independent Study

SUR CIS | 4th Year Elective | Surgery | Clinical Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a unique clinical experience with a particular faculty member within the Department of Surgery at the University of Florida College of Medicine. Students must submit a Clinical Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

Additional Information

TBA

Surgery - Externship

SUR EXT | 4th Year Elective | Surgery | Clinical Science
Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who have scheduled rotations at outside institutions other than Shands at Jacksonville within the Department of Surgery. Students should complete the paperwork required from the institution where the rotation is requested and the "in-house" Externship Application at UF.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA

Surgery - Independent Study

SUR IS | 4th Year Elective | Surgery | Basic Science

Prerequisites

UF 4th year medical student

Course Description

This course should be selected by UF students who would like to complete a research study experience with a particular faculty member within the Department of Surgery at the University of Florida College of Medicine. Students must submit an Independent Study Application form to the Electives Coordinator at least 4 weeks prior to the start of the rotation. This application form must be completed and signed by the Faculty Sponsor. Upon approval of the request, a copy of the application form will be provided to the student. All applications for an Independent Study must include a detailed list of goals and objectives and a plan of how these will be accomplished over the time period.

Course Faculty and Staff

- Beth Magyari (Course Staff)
- Matthew Ryan MD, PhD (Director)

Meeting Place and Time

TBA

Course Materials

TBA
Surgery Skills Lab
SUR E 17 | 4th Year Elective | Surgery | Clinical Science

Prerequisites
Fourth year medical student pursuing general surgical training.

NOTE - there is a Material and Lab fee for this rotation during the Spring semester.

Course Description
The purpose of this course is to provide medical students entering general surgery residencies with a focused introduction to simulation lab skills training. The course will provide students with surgical skills training aimed at enhancing technical skills needed by surgical trainees. The goal of the course is to provide future surgical residents with a leg up as they enter training. The curriculum will include elements of the technical skills training program used by the surgical residents at UF. Skills training will include increase familiarity with surgical instruments, open suturing skills, basic laparoscopic skills training, simulation based training in flexible endoscopy, simulation based training in central line placement, airway management training, and simulated code and critical care management. Basic didactic principles will be taught in parallel with skills training.

Course Faculty and Staff

- George Sarosi MD (Co-Director)
- Sanda Tan MD, PhD (Director)
- Ashley Beavers (Course Staff)
- Adela Van Antwerp (Course Staff)

Meeting Place and Time
A monthly calendar of skills activities will be provided to all course participants.

Course Materials
Course Materials will be assigned during the course.

NOTE - there will be a Material and Supply fee, per student, applied to this course beginning Spring 2017. The amount of this fee will be determined in the Fall of 2016.

Additional Information
NOTE - there will be a Material and Supply fee, per student, applied to this course beginning Spring 2016. The Material and Lab fee will be charged during the Spring semester.

Surgical Intensive Care Unit Elective
ANS E 3 | 4th Year Elective | Anesthesiology | Clinical Science

Course Description
Opportunities exist in several different ICU venues including Cardiac, Neurological, Trauma, and General Surgical. During this rotation the student will participate as an active member of the Critical Care team. This includes management of patients and presentation on daily rounds.
The core educational concepts will focus on cardiovascular and respiratory pathophysiology, management of undifferentiated shock, recognition and treatment of sepsis, point of care ultrasound, fluid and electrolyte balance, pharmacology, acid-base, and nutrition. During the rotation, ample opportunity is provided for multiple procedures. Medical Students may be required to take call (including nights and weekends).

Course Faculty and Staff

- Sean Kiley MD (Director)
- Christopher Giordano MD (Co-Director)
- Breaunna Sweet (Course Staff)
- Julie Veal (Course Staff)

Meeting Place and Time

On first day of the rotation you will meet with Sean Kiley, MD in Shands North Tower in room 2509 in the CICU.

Course Materials

Critical Care Ultrasonography Learning Modules which can be found at:

Recommended textbook: Civetta, Taylor, and Kirby's Critical Care, 4th edition (available in the library and upon request from Dr. Kiley).

Students are encouraged to review modules that are offered during the Anesthesiology / Critical Care Clerkship.

Surgical Pathology

PATH E 1 | 4th Year Elective | Pathology | Clinical Science

Prerequisites

Completion of first 2 years of medical school.

Course Description

COURSE GOALS: Introduction to Surgical Pathology techniques, diagnosis and clinical implications. Students work as externs with Pathology Residents and Attendings. Course is available for students who are considering a career in pathology, medical or surgical subspecialities or who want a clinically relevant in depth experience in disease processes. The course can be structured to the student's interests, such as Gynecologic pathology only, or as a mixture of subspecialties.

Course Faculty and Staff

- Archana Shenoy MD (Director)
- Linda Harlan (Course Staff)

Meeting Place and Time

Meeting Place: Stetson Medical Sciences Building, Room N1-11D
Meeting Time: 7:30 AM, daily (first day orientation time will be set up by contacting Dr. Shenoy prior
Students may wear scrubs for this rotation

**Course Materials**

Current clinical cases at Shands or Rocky Point (University of Florida Health Pathology Laboratories). Case material includes general surgical pathology and/or subspecialty (GI, GYN, Breast, ENT, GU, Ortho, Neuro, Peds) areas. Reference texts provided as necessary.

**Additional Information**

Please contact Dr. Shenoy prior to beginning the rotation to relay areas of interest so the rotation can be structured appropriately prior to starting the rotation. Any days of absence or scheduling of make-up days will be made directly with Dr. Shenoy ashenoy@ufl.edu

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**Teaching Assistant in Anatomy**

**ANAT E 2 | 4th Year Elective | Anatomy | Basic Science**

**Prerequisites**

4th year UF COM medical student

NOTE: Completion of the Becoming an Effective Resident elective (listed under Pathology) - BERT is required to receive credit as a TA.

**Course Description**

This elective is designed to prepare senior medical students to enhance their teaching skills and prepare them for teaching responsibilities that they will assume as an intern and resident. Students are expected to actively engage in promoting student learning.

**Course Faculty and Staff**

- **Kyle Rarey PhD** (Director)

**Meeting Place and Time**

TBA

**Course Materials**

TBA

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**The Art and Scholarship of Physical Diagnosis; Advanced Physical Diagnosis and Clinical Reasoning**

**MED E 29 | 4th Year Elective | Internal Medicine | Clinical Science**

**Prerequisites**

4th year medical student

**Course Description**
The rapid expanse of technology in medicine has diluted the practice of diagnosis at the bedside. The emphasis of this course will be to refine observational skills, advanced physical diagnosis techniques, synthesis of findings from the physical exam and the clinical reasoning pathway ultimately to enhance your skills as a diagnostician. You will interact closely with expert clinicians in further refining your physical diagnosis and clinical reasoning / judgement skills. Learning activities will include bedside teaching rounds, observation exercises, independent study and interactive discussion. You will share your expertise while leading MS 3 physical findings rounds.

**Course Faculty and Staff**

- Paulette C Hahn MD (Director)
- Matthew Staehnke (Course Staff)

**Meeting Place and Time**

TBA: Please contact Dr. Hahn by e-mail prior to the course for information regarding meeting time and place. e-mail: hahnpc@medicine.ufl.edu The course will meet daily for two weeks.

**Course Materials**

Recommended texts: Sapira's Art & Science of Bedside Diagnosis by Jane M. Orient and Symptom to Diagnosis: An Evidence-Based Guide by Scott D. C. Stern, Adam S. Cifu, Diane Altkorn These texts and others will be on reserve in the Rheumatology office for your use during the course.

**Additional Information**

You are encouraged to review the basic physical exam prior to starting this elective. Grading: Pass / Fail

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The **Physician-Patient Relationship (PPR): The humanistic physician in theory and practice**

**MED E 44 | 4th Year Elective | Internal Medicine | Clinical Science**

**Prerequisites**

Successful Completion of years 1-3 of medical school

**Course Description**

Course Description: This is a two week elective where students will spend about half their time working with our best role model physicians and the rest of their time reading from a variety of sources about the nature of the profession and models for the PPR. This will combine theory and practice, philosophy with praxis and enable each student to thoughtfully form their own vision of the PPR.

**Course Faculty and Staff**

- James Lynch MD (Director)

**Meeting Place and Time**

TBA
Course Materials

Students will receive a 3 ring binder with required articles as well as access to electronic copies of required and elective readings; Please see reading list at the end of the document.

The Use of Narrative Medicine in Pediatrics - Health through Stories

PED E 18 | 4th Year Elective | Pediatrics | Basic Science

Prerequisites

4th year medical student

Course Description

The course work will be based on interviewing pediatric patients and their families and practicing narrative writing with 3 goals in mind;
1) Presenting the patient's history of illness accurately in a form useful for traditional medical presentation.
2) Practicing narration of the patient's history from their personal perspective.
3) Be able to analyze the similarities and differences between the narrations created from these two distinct perspectives and begin to use that understanding to modify one's understanding of health and illness.

Additonal readings and writings will be shared and discussed from other sources to add to and stimulate analysis and discussion.

The student will keep a portfolio of the interviews, written narrations and analyses.

Course description

Course Faculty and Staff

- Robert M Lawrence MD (Director)
- Meghan Lopez (Course Staff)

Meeting Place and Time

Dr. Lawrence’s Office Human Development Bldg 301 - 294-5252, lawrerm@peds.ufl.edu meeting time approximately one week before starting the course to prepare and arrange meetings.

Course Materials

1) Handout materials available on the first day.
2) Ten Years of Medicine and the Arts - Academic Medicine 1991-2001

Additional Information

Dates offered will relate to both Dr. Lawrence’s and the students availability. The preferred duration of the elective is 2 weeks, although if a student has a particular project or goals in mind then 4 weeks can be arranged. The student can directly contact Dr. Lawrence via e-mail to negotiate the dates.
Thoracic and Cardiovascular Surgery

SUR E 8 | 4th Year Elective | Surgery | Clinical Science

Prerequisites

4th year medical student - completion of 3rd year rotation on General Surgery

Course Description

COURSE GOALS: At the completion of this rotation the student will be able to:
1. Perform detailed admission histories and physical examinations specific to patients who have pulmonary and cardiac disease that require surgical therapy.
2. Identify the indications and potential complications for thoracic and cardiac surgical procedures.
3. Identify the appropriate tests and medications required for assigned patients throughout their course of therapy.
4. Second or first assist in general thoracic and open heart surgical procedures.
5. Correlate the findings from the physical, hemodynamic, laboratory, and other diagnostic tests performed before and after cardiac surgery.
6. Evaluate and predict patient outcomes in response to surgical interventions and pharmacologic manipulations performed in the postoperative period.

Student activities include: Daily patient rounds and conferences, assisting in surgery, diagnostic work-ups, and direct patient care.

Course Faculty and Staff

- Thomas Beaver MD (Other Faculty)
- Tiago Machuca MD (Other Faculty)
- Ashley Beavers (Course Staff)
- Adela Van Antwerp (Course Staff)

Meeting Place and Time

CICU 0600 HRS
SPONSORING UNIT: Department of Surgery, Division of Thoracic and Cardiovascular Surgery

COURSE DIRECTOR: Daniel G. Knauf, M.D., Rm. M-602, (352) 846-0364, Box 100286

Course Materials

Current textbooks in thoracic, adult cardiac, and congenital heart surgery. Selected reprints from specialty journals.

Thoracic and Cardiovascular Surgery/Jacksonville

SUR E 8J | 4th Year Elective | Surgery | Clinical Science

Prerequisites

4th year Student

Course Description
COURSE GOALS: At the completion of this rotation, the student will be able to:
1. Perform detailed admission histories and physical examinations specific to patients who have pulmonary and cardiac disease that require surgical therapy.
2. Identify the indications and potential complications for thoracic and cardiac surgical procedures.
3. Identify the appropriate tests and medications required for assigned patients throughout their course of therapy.
4. Second or first assist in general thoracic and open-heart surgical procedures.
5. Correlate the findings from the physical, hemodynamic, laboratory, and other diagnostic tests performed before and after cardiac surgery.
6. Evaluate and predict patient outcomes in response to surgical interventions and pharmacologic manipulations performed in the postoperative period.

Student activities include daily patient rounds and conferences, assisting in surgery, diagnostic work-ups, and direct patient care.

Course Faculty and Staff

- John "Jack" Pirris MD (Director)
- Noel Perry PA.C (Other Faculty)
- Hugh "Tim" McConnell PA.C (Other Faculty)
- Karen Goodman (Course Staff)
- Dani Brown (Course Staff)

Meeting Place and Time

SPONSORING UNIT: Department of Surgery, Division of Thoracic and Cardiovascular Surgery

Course Materials

None

Trauma; Surgical Critical Care; and Emergency Surgery

SUR E 14 | 4th Year Elective | Surgery | Clinical Science

Prerequisites

Fourth Year Medical Student

Course Description

Four week course in which student will rotate on the Trauma/Emergency Surgery Service and act as a sub-intern. Daily rounds with residents and attending; bedside surgical procedures in the SICU; operative cases in the OR and the initial management and resuscitation of the severely injured trauma patient will be emphasized.

Course Faculty and Staff

- Chasen Croft MD (Director)
- Ashley Beavers (Course Staff)
- Adela Van Antwerp (Course Staff)

Meeting Place and Time
5:30 AM in Shands (S), 5W.

Course Materials
As assigned by attending physicians.

Additional Information
Excellent experience for student interested in surgery; critical care or anesthesia as a career.

UF Mobile Clinic
CM E 10 | 4th Year Elective | Community Health and Family Medicine | Clinical Science

Prerequisites
4th year medical student

Course Description
This course entails a “hands-on” experiential approach to rendering health care to the underserved. Students will spend Monday-Friday 10:30a-4:30p, as well as some evenings/nights a week, rendering health care on the UF Mobile Clinic bus. The clinic visits a different neighborhood each day of the week. Students will learn the correlation of how Social Determinants of Health (SDOH) affect health outcomes, and how knowledge of the SDOH can affect the treatment plan for individual patients. Students will work in neighborhood clinics under the supervision of a licensed health professional and with clinic staff support. Students will also learn about the MOC’s Care Coordination program and will also spend time following up with patients to verify medical compliance and/or ascertaining what additional assistance the patient may require in order to become compliant.

Common problems to be addressed are SDOH, family planning, sexually transmitted infections, diabetes, women’s health, hypertension, and depression.

All students will be required to attend an orientation, an introductory and wrap-up meeting with Dr. Harrell and to complete reflection paper that briefly describes their primary care experiences aboard the Mobile Outreach Clinic bus. The REAP paper should not exceed 2 pages. REAP includes Reflection, Experience, Assessment, and Plan. Your paper should express what you learned and any thoughts or emotions you encountered that will affect your future practice.

REAP papers will be submitted to Dr. Harrell via email at gharrell@ufl.edu and to the Course Manager at sherices@ufl.edu

Course Faculty and Staff
- Grant Harrell MD (Director)
- Sherice Stewart (Course Staff)
- Matthew Staehnke (Course Staff)

Meeting Place and Time
Orientation: Monday morning @ 9a. Communicore, Room CG-78
For more info email: sherices@ufl.edu
See the UF Mobile Clinic website for monthly schedule.
Course Materials

For Background: Commonwealth Fund (cmwf.org), Kaiser Health News, Kaiser Family Foundation
Weekly Update

For clinic: MOC Orientation Packet, Up to Date, Washington Manual of Therapeutics, electronic
articles as assigned

Urology Surgery - Elective

SUR E 10 | 4th Year Elective | Urology | Clinical Science

Prerequisites

Senior medical student status.

Course Description

This course will provide the senior student with a basic understanding of clinical urology as a
surgical subspecialty. Student will: 1) participate as a member of the urological team providing
inpatient, outpatient and surgical care to patients referred to the urological service; 2) participate in
urological teaching conferences; 3) interact with urological residents and faculty on a daily basis.

Psychomotor Domain: 1) Demonstrate proficiency in common intern-level duties including
Genitourinary Exam (including male and female exam), DRE, Catheter insertion, basic urological
endoscopic techniques and basic suturing skills; 2) Recognize the role of existing and emerging
technology and research in the field and practice of urology; 3) Reliably use the Internet and
electronic tools as a medical resource. Affective Domain: 1) Expand his/her exposure to and
appreciation for a career in urology; 2) Become more keenly aware of the opportunities available to
residents in urology; 3) Appreciate the influence of translational research as it applies to urology.

LEARNING ACTIVITIES: The students who choose this rotation as an elective will participate as a
member of a very busy and academic urological service at the University of Florida. He or she will
become aware of the daily responsibilities of a urology resident, including education of 3rd year
medical students and perioperative care of the surgical patient. Students will be expected to attend
all urology related conferences including Didactic resident lectures, GU Tumor Board, Morbidity and
Mortality Conference, Urological Imaging Conference, Basic Science Conference and Mortality
Conference, Pathology Conference and Journal Club. Furthermore, the student will be assisting in
the Operating Rooms and seeing patients in clinic. Although the curriculum is flexible, it is expected
that the student will prepare for cases and conferences as any other member of the team and will be
held accountable for these. During the 4-week rotation, the student will present a 20-minute slide
presentation on some aspect of Urology in the didactic format to the residents. He or she should
choose a faculty mentor who will assist in the assimilation and delivery of this lecture. This lecture
should be evidence-based and articles from accredited journals should be referenced.

Course Faculty and Staff

- Louis Moy MD (Director)
- Stephanie Stenner (Course Staff)

Meeting Place and Time
The first day, you will meet Stephanie Stenner on the 2nd Floor of the Health Science Center, Department of Urology, Rm N-203. During the elective rotation, you will meet residents for morning rounds (Chiefs will direct you).

**Course Materials**

No specific text is required. Recommended texts include; 1) Campbell's Urology (4 volumes) - Available for reference in the Div. Library; 2) Hinman's Atlas of Urologic Surgery (useful in preparing for individual surgical cases) - Available in the Div. library; 3) Smith's General Urology (a urologic overview readable in the four week rotation); 4) AUA Update Series (an up to date; concise comprehensive review of selected urologic topics) - Available in the Div. library

5) Students are asked to complete or show evidence of prior completion of the online national medical student curriculum in urology available at www.auanet.org (under the Education tab click Educational Programs then Medical Student Information then CORE Content)

**Additional Information**

Stephanie Stenner is the Residency Coordinator for the Department of Urology and can be reached at (352) 273-8634, Fax: (352) 273-8604, or email Stephanie.Stenner@urology.ufl.edu. Start/End dates for all rotations are flexible. Please contact Stephanie Stenner, if you need alternate start/end dates and we will do our best to accommodate.

**USMLE Step 2 Preparation**

COM E 6 | 4th Year Elective | Comec Chapman Education Center | Basic Science

**Prerequisites**

4th Year UF Medical Student

NOTE: The max # of credits associated with this course listing is 2 for a 4-week rotation.

**Course Description**

This course should be selected when creating schedule to indicate the 4 weeks that you are using as Step II study time.

Learning Objectives:
- Apply history taking skills to standardized patient scenarios.
- Apply physical exam skills to standardized patient scenarios.
- Develop a list of differential diagnoses explaining the patient's presenting complaint.
- Document the patient encounter in a succinct manner.
- Use the results of Phase 1 and 2 curricular assessments to develop a study plan for Step 2 CK and CS.

**Course Faculty and Staff**

- Beth Magyari (Course Staff)

**Meeting Place and Time**

NA
Vascular Surgery

SUR E 21 | 4th Year Elective | Surgery | Clinical Science

Prerequisites

3rd year rotation on General Surgery

Course Description

COURSE GOALS: At the completion of this rotation the student will be able to: 1. Perform detailed admission histories and physical examinations specific to patients with vascular disease who require surgical and/or medical therapy. 2. Identify the indications and potential complications for vascular surgical procedures. 3. Identify the appropriate tests and medications required for assigned patients throughout their course of therapy. 4. Second or first assist in general vascular surgical procedures. 5. Correlate the findings from the physical, hemodynamic, laboratory, and other diagnostic tests performed before and after vascular surgery. 6. Evaluate and predict patient outcomes in response to surgical interventions and pharmacologic manipulations performed in the postoperative period. 

Student activities include: Daily patient rounds and conferences, assisting in surgery, diagnostic work-ups, and direct patient care.

Course Faculty and Staff

- Javairiah Fatima MD (Director)
- Adela Van Antwerp (Course Staff)
- Ashley Beavers (Course Staff)

Meeting Place and Time

Call the Vascular Surgery Office (273 5484) for information.

Course Materials

Material will be provided from the following:
Selected readings from Journal of Vascular Surgery and other vascular specialty journals.

Additional Information

The Shands Vascular surgery service is a busy, tertiary care service that has a heavy operative load. The 4th year student rotating on the service will function as a junior resident, including operating with the faculty and fellows as well as supervising the 3rd year medical students and assisting the interns.

Vascular Surgery - Jacksonville
SUR E 4J | 4th Year Elective | Surgery | Clinical Science

**Course Description**

The fourth year elective is designed specifically for the student with a serious interest in a residency in vascular surgery. The level of responsibility will be the same as a 1st year resident. Students will be expected to take a more active role in the operating room as well as pre-operative and post-operative care of vascular patients under the direct supervision of the vascular surgery staff. Self-education is stressed; but students also attend major departmental conferences.

**Course Faculty and Staff**

- **Frank J Genuardi MD, MPH** (Other Faculty)
- **Eugenia Smith** (Course Staff)
- **Dani Brown** (Course Staff)
- **Sarah Fernandez MD** (Director)
- **Jessica Pittman** (Course Staff)
- **James W Dennis MD** (Other Faculty)
- **D. Scott Lind MD** (Co-Director)
- **Jon Allmon MD** (Other Faculty)
- **Joseph Habib MD** (Other Faculty)

**Meeting Place and Time**

8:30 AM: Student Coordinator's (Jessica Pittman & Eugenia Smith) office; 3rd floor Faculty Clinic

**Course Materials**

Handouts

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MED E 36 | 4th Year Elective | Internal Medicine | Clinical Science

**Prerequisites**

4th year UF COM medical student. Scheduling of this course must be preapproved by Dr. Sattari.

**Course Description**

Students will gain a perspective on unique aspects of issues affecting women through hands-on experience in the ambulatory setting and evaluation of management of common medical conditions, such as diabetes and hypertension, as well as health maintenance visits. Furthermore, they will have didactic as well as interactive scheduled sessions with course faculty to discuss important topics in women's health, including health promotion and disease prevention, breast health, reproductive health, and mental health. Students will be able to choose to present a case presentation or to submit a clinical vignette at the end of this elective to demonstrate an interesting clinical case encountered during the elective or learning objective pertinent to women's health.

**Course Faculty and Staff**

- **Maryam Sattari MD, MS** (Director)
- **Karen Daily DO** (Other Faculty)
Erinn Cooke MD (Other Faculty)
Julia K Marshall (Other Faculty)
Matthew Staehnke (Course Staff)

Meeting Place and Time

Contact Dr. Maryam Sattari (Maryam.sattari@medicine.ufl.edu) (265-0651) one week prior to course for meeting time and location and schedule.

Course Materials

Handouts provided as needed

Additional Information

NOTE: Scheduling of this course must be preapproved by Dr. Sattari. Please contact Dr. Sattari (Maryam.sattari@medicine.ufl.edu or 265-0651) prior to signing up for this elective.