



# The University of Tennessee Health Science Center

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## College of Medicine

2017-2018

## Clerkships, Selectives and Electives

Office of Medical Education

College of Medicine

The University of Tennessee Health Science Center

910 Madison Avenue, Suite 1035

Memphis, Tennessee 38163

(901) 448-5506

<http://www.uthsc.edu/Medicine/OLSEN/>

August 31, 2017

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Department of Medicine.....  
Department of Neurology .....  
Department of Obstetrics and Gynecology.....  
Department of Orthopaedic Surgery .....

Department of Pathology .....  
Department of Pediatrics .....  
Department of Plastic Surgery .....  
Department of Radiology .....  
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Other Rotations .....

	8-WEEK BLOCKS	START DATE	END DATE	4-WEEK BLOCKS
2017-2018	5/6	1-May-17	26-May-17	5
		29-May-17	23-Jun-17	6
	7/8	26-Jun-17	21-Jul-17	7
		24-Jul-17	18-Aug-17	8
	9/10	21-Aug-17	15-Sep-17	9
		18-Sep-17	13-Oct-17	10
	11/12	16-Oct-17	10-Nov-17	11
		13-Nov-17	15-Dec-17	12
	1/2	2-Jan-18	26-Jan-18	1
		29-Jan-18	23-Feb-18	2
	3/4	26-Feb-18	23-Mar-18	3
		26-Mar-18	27-Apr-18	4
	5/6	30-Apr-18	25-May-18	5
		28-May-18	22-Jun-18	6
	7/8	25-Jun-18	20-Jul-18	7
		23-Jul-18	17-Aug-18	8

**Holidays\***

**Thanksgiving: Nov. 18-26, 2017**

**Winter Break: Dec 16, 2017-Jan 1, 2018**

**MLK Day: Jan 15, 2018**

**Spring Break: Mar 24-Apr 1, 2018**

\*Holidays start at 5:00 pm on the day prior to the holiday start date listed above.

Students are to report back to their clerkships on the morning following the holiday end-date.

*(updated 04/07/17)*

**COLLEGE OF MEDICINE**

**UNIVERSITY OF TENNESSEE HEALTH SCIENCE CENTER**

CHANCELLOR

STEVE J. SCHWAB, M.D.

INTERIM EXECUTIVE DEAN/ MEMPHIS DEAN, COLLEGE OF MEDICINE

STEVE J. SCHWAB, M.D.

INTERIM ASSOCIATE DEAN/MEDICAL EDUCATION

MATTHEW ENNIS, PH.D

ASSOCIATE DEAN/STUDENT AFFAIRS

SUSAN BREWER, M.D., FACP

SENIOR. EXEC. ASSOCIATE DEAN/FACULTY AFFAIRS

POLLY A. HOFMANN, PH.D.

SENIOR ASSOCIATE DEAN/GRADUATE MEDICAL EDUCATION  
AND CONTINUING MEDICAL EDUCATION

NATASCHA STONE THOMPSON, MD

ASSOCIATE DEAN/GME & CLINICAL AFFAIRS (NASHVILLE)

GREGORY JAMES, MD

## COLLEGE OF MEDICINE MEMPHIS

**Executive Dean, College of Medicine**

**Steve J. Schwab, M.D. (Interim)**

<i>DEPARTMENT</i>	<i>CHAIR</i>	<i>TELEPHONE (AC 901)</i>
Anatomy & Neurobiology	Matthew Ennis, Ph.D.	448-5957
Anesthesiology	Raymond Lebron Cooper, M.D.	448-5893
Comparative Medicine	David Hamilton, D.V.M. (Interim)	448-5656
Dermatology	Tejesh Patel, MD (Interim)	448-5795
Emergency Medicine	J. Richard Walker, III, M.D. (Interim) 516- 7455	
Family Medicine	Acting Co-Chairs Gary Mitchell, M.D. Muneeza Khan, M.D.	448-6028
Medicine	Samuel Dagogo-Jack, M.D. (Interim)	448-5752
Microbiology, Immunology & Biochemistry	Michael Whitt, Ph.D.	448-6175
Neurology	Andrei V. Alexandrov, M.D.	448-6199
Neurosurgery	Frederick A Boop, M.D.	448-6375
Obstetrics & Gynecology	Giancarlo Mari, M.D.	448-5340
Ophthalmology	Acting Co-Chairs Robert Bradley Canada, MD Polly A. Hofmann, Ph.D.	448-5883
Orthopaedic Surgery & Biomedical Engineering	James Beaty Jr., M.D.	448-5880
Otolaryngology--Head & Neck Surgery	M. Boyd Gillespie, M.D.	448-5886
Pathology	Mahul B. Amin, MD	448-6300
Pediatrics	Jon McCullers, M.D.	287-3106
Pharmacology	Alejandro Dopico, Ph.D.	448-6000
Physiology	Christopher Waters, Ph.D. (Interim)	448-5799
Preventive Medicine	Teresa Waters, Ph.D.	448-5118
Psychiatry	James Allen Greene, M.D.	448-6400
Radiation Oncology	Matthew T. Ballo, M.D.	448-5000
Radiology	Harris L. Cohen, M.D.	287-6175
Surgery	David M. Shibata, M.D.	448-5914
Plastic Surgery	Robert D. Wallace, M.D.	347-8290
Urology	Robert Wake, M.D.	448-1026

Clinical Medical Education (Nashville)

Geoffrey Smallwood, MD (Interim)

Genetics Genomics Informatics (GGI)

Robert Williams, Ph.D.

Physician Assistant Studies

Stephanie Storgion, MD

***The address to be used for all Chairs is:***

College of Medicine

The University of Tennessee Health Science Center

Individual Address of each department

Memphis, Tennessee 38163



## COLLEGE OF MEDICINE CHATTANOOGA

**Executive Dean, College of Medicine**

**Steve J. Schwab, M.D. (Interim)**

**Dean**

**R. Bruce Shack, MD**

Scheduling for clerkships and electives in Chattanooga is handled as part of the scheduling process at Memphis. In addition, students should contact the Office of Graduate and Medical Student Education (Pamela Scott, Director) at the UT College of Medicine Chattanooga, 960 East Third Street, Suite 104, Chattanooga, Tennessee 37403 (phone 423-778-7442) or email [gme@erlanger.org](mailto:gme@erlanger.org) with questions about housing and related matters. The toll free number is 800-947-7823, ext. 7442.

As soon as students schedule rotations in Chattanooga, if they need to request housing, they should complete the online housing request form at:

<http://www.utcomchatt.org/subpage.php?pageId=1053>

**There is a charge for student housing of \$50.00 for "each" Block. This fee is due on the first day of the student's rotation, in the form of: Check, Online Banking, Money Order or Credit.**

<i>DEPARTMENT</i>	<i>CHAIR</i>	<i>TELEPHONE (AC 423*)</i>	<i>EMAIL</i>
Emergency Med	Vacant	778-7628	<a href="mailto:Velvet.Green@erlanger.org">Velvet.Green@erlanger.org</a>
Family Medicine	J. Mack Worthington, MD	778-2957*	<a href="mailto:Utfammed@erlanger.org">Utfammed@erlanger.org</a>
Medicine	Louise Lambiase, MD	778-2998*	<a href="mailto:Utintmed@erlanger.org">Utintmed@erlanger.org</a>
Neurology	Thomas G. Devlin, MD	778-?????*	
Obstetrics/ Gynecology	Garrett Lam, MD	778-7515*	<a href="mailto:Utobgyn@erlanger.org">Utobgyn@erlanger.org</a>
Orthopaedic Surgery	Richard G. Alvarez, MD	778-9008*	<a href="mailto:Utorthosurg@erlanger.org">Utorthosurg@erlanger.org</a>
Pediatrics	Alan E. Kohrt, M.D.	778-6217*	<a href="mailto:Utpediat@erlanger.org">Utpediat@erlanger.org</a>
Plastic Surgery	R. Bruce Shack, MD (Interim)	778-9047*	<a href="mailto:Utplastics@the-psg.org">Utplastics@the-psg.org</a>
Radiology	Blaise Baxter, MD	778-7241*	<a href="mailto:Bbaster2@uthsc.edu">Bbaster2@uthsc.edu</a>
Surgery	R. Phillip Burns, MD	778-7695*	<a href="mailto:Utsurg@erlanger.org">Utsurg@erlanger.org</a>
Urology	Amar Singh, MD	778-4736*	<a href="mailto:Asingh11@uthsc.edu">Asingh11@uthsc.edu</a>

The address for the chairs in Chattanooga is:

UT College of Medicine Chattanooga

Name of Chair, Department of \_\_\_\_\_

Individual address of each department

Chattanooga, TN 37403

## COLLEGE OF MEDICINE KNOXVILLE

**Executive Dean, College of Medicine**

**Steve J. Schwab, M.D. (Interim)**

**Dean**

**James J. Neutens, Ph.D., FASHA**

Scheduling for clerkships and electives at Knoxville is handled as part of the scheduling process at Memphis. In addition, students should contact the Office of Student Affairs, The University of Tennessee Medical Center at Knoxville, 1924 Alcoa Highway, Knoxville, Tennessee 37920 (phone 865-305-9618) or email Missy Maples at: [mmaples@utmck.edu](mailto:mmaples@utmck.edu) to obtain specifics about housing and other personal matters.

<b>DEPARTMENT</b>	<b>CHAIR</b>	<b>TELEPHONE (AC 865)</b>
Anesthesiology	Robert M. Craft, M.D.	305-9221
Family Medicine	Gregory H. Blake, M.D., MPH	305-9352
Internal Medicine	Rajiv Dhand, M.D.	305-9340
Obstetrics/Gynecology	Larry Kilgore, M.D.	305-9306
Pathology	Lisa D. Duncan, M.D.	305-9080
Radiology	Laura Findeiss, M.D.	305-9661
Surgery	Bruce John Ramshaw, M.D.	305-9244
General Dentistry	Olcie Lee Wilson, DMD	305-9440
Oral & Maxillofacial Surgery	Eric R. Carlson, DMD, M.D.	

*The address to be used for Chairs at Knoxville is:*

Graduate School of Medicine  
University of Tennessee Medical Center  
1924 Alcoa Highway, Box 94  
Knoxville, Tennessee 37920

## DESCRIPTION OF FOURTH YEAR

The fourth year is composed of 4-week required clerkships, one week of PCM, and 4-week electives. Clerkships allow for increased responsibility in patient care as well as the opportunity to pursue areas of individual interest. The electives provide students with the opportunity to select the clinical or basic science experiences to best meet their particular career goals.

Clerkships	Duration
PCM	1 week
Geri-Palli Required Senior Rotation	4 weeks
Senior Clerkship JI Medicine	4 weeks
Surgery Specialties	4 weeks
Specialty Clerkship (SPE)	4 weeks
Senior Clerkship JI (Any)	4 weeks
Capstone	4 weeks
Electives (N=4)	16 weeks
LSP	Longitudinal
Option Blocks	12 weeks

**Any absence from a clerkship MUST BE approved by the clerkship director no later than 30 days BEFORE the clerkship begins. Students should not go to clerkship directors and indicate that airline tickets or other arrangements have been made and presume that permission will be granted. You should not make any reservations before getting APPROVAL of the clerkship director.**

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### PCM-3002 Principles of Clinical Medicine VI (1 credit hour).

The PCM M-4 curriculum is designed as a Continuing Medical Education (CME) model. The goal is to provide direction for students to develop the skills necessary to become life-long learners and the ability to share their learning as effective teachers in both the academic as well as the community setting. Successful completion of the M-4 PCM will require 24 hours of CME credit, which will include both required and optional didactic and experiential

components (preclinical courses and clinical rotations). The Directorate reserves the right to adjust the hour requirements for the future based on the results of this experience.

### CLERKSHIP CHART

The required clerkships and elective rotations are shown below in the table. The number following the departmental designation indicates the city in which the clerkship is held (e.g., MED1, with the 1 indicating Memphis):

1 Memphis 2 Knoxville 3 Chattanooga 4 Nashville 5 Jackson

Senior Clerkship in Medicine Internal Medicine	Ambulatory Care	*Specialty Clerkship	Surgery Specialties	JI Any		Electives (16 weeks)
MED1-3002 MED2-3002 MED3-3002 MED4-3002	MED1-3003 MED2-3003 MED3-3003	SPE1-3001 SPE2-3001 SPE3-3001	SUR1-3002 SUR2-3002 SUR3-3002	FME1-3010 FME1-3012 FME5-3010 FME5-3033 MED1-3029 MED1-3030 MED1-3035 MED13036 MED1-3062 MED1-3063 MED1-3067 MED1-3110 NEU1-3010 OBG1-3010 OBG1-3020  OTO1-3010 PED1-3010 PSY1-3010 PSY1-3011 PSY1-3030 SUR13012 SUR1-3013 SUR1-3014 URO1-3010	FME2-3010 MED2-3030 OBG2-3010 SUR2-3010 SUR2-3020 SUR2-3031 SUR2-3040  EME3-3030  FME3-3010 MED3-3010 MED3-3031 NEU3-3010 OBG3-3010  OBG3-3020 OBG3-3050 PED3-3010 SUR3-3010  SUR3-3030 OBG4-3010	4000 SERIES IN ANY DISCIPLINE (W/O SAME THIRD NUMBER IN SAME DISCIPLINE)

Specific dates for the senior year are shown in the [clerkship calendar section of the web site](#).

## CLERKSHIP DESCRIPTIONS

### **MED1-3002/F - Senior Clerkship in Medicine (7 credit hours), clinical rotation.**

The Senior Clerkship in Medicine places the student in a more direct role in patient care similar to an internship but closely supervised and directed. The senior clerkship student will record the principal data base (with resident or faculty review and counter signature), develop an evaluation and treatment plan, and write orders on patients (to be reviewed, altered if necessary, and signed by the resident or faculty prior to implementation). The student is introduced to responsibility for inpatient care in a setting in which the student is the initial evaluator of the patient's problems as outlined in the general instructions. The student develops conceptual and manual skills for evaluation and care of internal medicine patients and becomes more familiar in dealing directly with hospital and other paramedical personnel with appreciation of the team approach to patient care. The student participates in two-hour rounds at least four days per week with the attending physician assigned to the service and consults daily with the resident house staff on each assigned patient. This clerkship is also offered in Knoxville (MED2-3002/F), Chattanooga (MED3-3002/F), and Nashville (MED4-3002/F).

### **MED1-3201/F – Required Geriatrics/Palliative Rotation (7 credit hours)**

Course Directors: Jeanne Jemison, MD and Paul Hill, MD

Course Coordinator: Kimberlee Norwood

Contact Information: [knorwood@uthsc.edu](mailto:knorwood@uthsc.edu) or 901-448-3843

Approval Authorization required: None

Location: Various

Orientation location/time: TBA

Size: 14 Students total

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: N/A
- Time off for Interviews: None (Note: students are not allowed time off during required clerkships.)
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of rotation

Prerequisites: Completion of all CORE Clerkships

Pre-reading: None

Link: Will be available on CORE prior to Block 5

**This is a face-to-face clinical rotation receiving 7 credit hours.**

Senior students will be required to participate in two weeks of geriatrics and two weeks of palliative medicine. Students will rotate through various clinical settings including inpatient palliative service, internal medicine and family medicine clinics, hospice, assisted living facilities, geri-psych clinics, etc. Students will be expected to participate in

curriculum of didactics, reading, podcasts and an end of rotation exam. This clerkship is also offered in Knoxville (MED2-3201/F) and Chattanooga (MED3-3201/F).

**SUR1-3002/F - Surgery Specialties (7 credit hours), clinical rotation.** This clerkship exposes the student to the Surgery Specialties of Orthopaedics, Ophthalmology, Otolaryngology and Urology. This Clerkship is also offered in Knoxville (SUR2-3002/F) and Chattanooga (SUR3-3002/F).

**Senior Clerkship (FME, MED, OB/GYN, PED, PSY/NEURO, SUR and URO) (3010/F to 3012/F) (7 credit hours), clinical rotations.** Students are required to take a 4-week experience in any one of the core clerkships.

**LSP-3004 Longitudinal Scholars Program - Longitudinal (7 credit hours – M1 1 hour, M2 1 hour, M3 1 hour and M4 4 hours)**

(M1-M4 year, beginning with the Class of 2016) The Longitudinal Scholar's Project (LSP) clerkship is a longitudinal hybrid clerkship spanning the four years of medical school. The course will introduce medical students to three basic areas: health research, patient safety and quality improvement (PSQI) and community and global health. The clerkship involves a longitudinal project in one of the three areas and culminates in a graded poster presentation in the M4 year. Rather than have every student participate in each category, the clerkship provides the students with a foundation of basic understanding in research, patient safety and quality improvement and community/global health through lectures, small groups and online modules, while requiring each student to do a project in only one area to be presented at any time during medical school. The poster may be presented at a committee approved poster venue. Outstanding work will be eligible for awards. You will receive a pass/fail grade for each year of medical school.

**SPE1-3002/F - Specialty Clerkship (7 credit hours), clinical rotations.** This clerkship is offered in each block throughout the calendar year. Students will have a week each in Anesthesiology, ICU, Palliative Care and Radiology during the four-week clerkship. The clerkship will be graded "Pass/Fail." If a student has had a month of Anesthesiology or a month of ICU, Cardiology or Infectious disease may be substituted. This clerkship is available in Knoxville (SPE2-3002/F) and Chattanooga (SPE3-3002/F).

**Electives (7 credit hours each), preclinical courses and/or clinical rotations.** Sixteen weeks of two-week (half-time) or four-week (full-time) elective work are required and normally taken during the senior year. Both basic science and clinical electives of varying lengths are offered in a variety of settings with maximal learning opportunities. During this time, each student has the opportunity to (1) select experiences that meet individual career goals, (2) study in depth in a clinical or basic science area, and (3) have increased responsibility in patient care under the direct supervision of the faculty. Electives are offered by The University of Tennessee, UT-affiliated hospitals, and (with approval) at other accredited medical schools.

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## ELECTIVES

With proper selection, the electives program provides a varied and appropriate educational experience. This imposes a high level of responsibility on each student and with the limited elective time available, each student is encouraged to seek advice from as many

different people as is practical. Each student must obtain a passing grade (grade of "C" or better) in all electives.

Although prior approval by the course coordinator is not required for all electives, the responsibility of verifying the availability of an elective for a particular scheduling period rests with each student. For courses which indicate, **"Consent of Course Coordinator" as a prerequisite, permission must be obtained from the course coordinator prior to scheduling.**

A student may request an elective not currently listed in the Electives Catalog. Any specially designed elective requires approval of the involved faculty member, the appropriate departmental chair, and the Clinical Sciences Subcommittee. The Office of Medical Education and Faculty Affairs have forms available for this purpose. Since the approval process for a special elective could require considerable time, students are advised to begin this process well in advance of the time in which the requested elective is to be scheduled.

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## **COUNSELING FOR CLERKSHIPS AND ELECTIVES**

Departments have designated contact faculty for their educational programs. These faculty members should be your first point of contact in matters of specific departmental concern in the curriculum. In addition, administrative details can be handled by the contact person and a listing of these individuals follows the faculty list in this catalog.

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## **CLERKSHIP LOCATIONS**

Selected clerkships and electives may be taken in the College of Medicine at Memphis, Knoxville, Chattanooga, Nashville or Jackson. The sites at Knoxville, Chattanooga and Nashville offer a variety of clerkships, as well as clinical and basic science electives. Senior programs are available at all five (5) sites.

Note that not all electives are offered on a continuing basis. Students should refer to the individual elective description for this information.

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## **OPTION PERIODS (OPM1-4001/F) OR OPTION HALF-PERIOD (OPM1-4001/H)**

Students in the College of Medicine have twelve option weeks in the fourth year. Students should use these option weeks to interview for residencies and other personal business. Jobs and/or non-credit work can be arranged during option weeks with faculty members. Any student interested in applying for a research award during option weeks should contact the Associate Dean for Research for additional information.

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## ELECTIVES AT OTHER INSTITUTIONS

Twelve weeks of electives may be taken by students at other institutions. Any student applying for an elective at another institution must be in good standing in the College of Medicine, have satisfactorily completed the core clerkships of the third year, and have permission from the appropriate clinical department chair as well as the Office of Medical Education. Electives at other institutions are normally taken for credit and, thus, tuition is paid at The University of Tennessee. The cooperating institution must be affiliated with an accredited medical school, must agree to accept and evaluate the student, and must certify that the elective being applied for is a regularly offered medical student elective at that institution.

An "Elective Away Application" form is available electronically at <http://uthsc.edu/Medicine/OLSEN/> under Away Rotation Forms or in the Office of Medical Education. **Students only need to complete this form if you are applying for elective work at an institution not participating in VSAS (Visiting Student Application Service).** This form must be completed and on file in the Office of Medical Education before the elective begins in order for formal academic credit to be awarded.

Students should first complete Section I of the form. The form is then taken to the respective UT Department for approval of section II and then taken to the Office of Medical Education (910 Madison, suite 1002) for approval of Section III. The student then mails the form to the Institution where the elective will be taken for approval of Section IV.

The process of arranging an elective at another institution should begin about six months prior to the block for which the elective is being requested. It is the responsibility of the student to contact the appropriate institutions and complete all necessary forms for both institutions well in advance of the elective experience.

Be sure to honor the regulations and/or concerns of other institutions and preceptors. Your courtesy in this regard will be helpful to follow UT students also applying for elective experiences at these institutions.

Students who do an away elective (at another institution) must pick up an evaluation form from the Office of Medical Education, 910 Madison, suite 1002. **An evaluation of each student is required at the end of all away electives** and should be mailed to the Office of Medical Education by the appropriate person from that institution. Away application and evaluation forms can be downloaded <http://uthsc.edu/Medicine/OLSEN/>.



## VISITING STUDENTS APPLICATION SERVICE

Visiting medical students will apply for rotations through the Visiting Student Application Service (VSAS). VSAS is an application designed by AAMC to streamline the application process for senior “away” electives at other U.S. LCME medical schools. VSAS effectively reduce paperwork, miscommunication, and time. VSAS also provides a centralized location for managing offers and tracking decisions. It was created at the request of two GSA committees: Committee on Student Records (COSR) and Committee on Student Affairs (COSA). [www.aamc.org/vsas](http://www.aamc.org/vsas)

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### Current Visiting Student Policy

The University of Tennessee, College of Medicine has elective opportunities available at its sites in Memphis, Knoxville, Chattanooga, Nashville, and Jackson for students from other medical schools. To be eligible for consideration, students must meet the following criteria:

- Visiting students must be candidate for the M.D. or D.O. degree in good standing in their final year of training in an accredited medical school or from institutions with which UTHSC has a formal exchange program.
- Visiting students shall be limited to a maximum of (12 weeks) of experiences at all UT medical campuses during their medical school career. Electives will be assigned to visiting students only after all University of Tennessee students have been scheduled
- All visiting students must have:
  - coverage for malpractice/liability insurance in the amount of \$1 million per incident and \$3 million aggregate from their institution or from acceptable other sources
  - health insurance
  - required immunizations for measles, rubella, influenza, and Hepatitis B
  - taken a TB skin test within the past year
  - been certified in CPR within the past year
  - Passed USMLE Step 1 or COMLEX Part 1
- Visiting students must have completed instruction in the basic physical examination and have a working knowledge of general ward procedures. All electives require that the student has completed the basic Family Medicine, Medicine, Neurology, Pediatrics, Surgery, Psychiatry, and Obstetrics-Gynecology clerkships. All students must have met the prerequisites of the clerkship to which they are applying. Any exceptions to this policy must be approved by the Dean of Medical Education, campus Associate Dean or their designee at the recommendation of the Department Chair or their designee.

## VISITING STUDENTS HOUSING

- We recognize the challenge visiting students face in finding housing during away rotations and are pleased to share that the AAMC is showcasing a service that can help! [RotatingRoom.com](https://www.rotatingroom.com) is a free online service, designed exclusively for medical students, to find and offer short-term housing during away rotations. The website offers robust search and visualization, comprehensive property details, and additional information such as public transportation options to nearby hospitals. A short description and link to Rotating Room has been added to VSAS software.
- **Phi Chi Medical Fraternity** welcomes visiting students. 687 Jefferson Ave., Memphis, TN 38105 Email: [phichihouse@gmail.com](mailto:phichihouse@gmail.com)

## DEPARTMENTAL CONTACT INFORMATION

The University of Tennessee, College of Medicine has elective opportunities available at its sites in Memphis, Knoxville, Chattanooga, Nashville and Jackson for medical students from other medical schools. Application is not available online. To request information, contact the following departments:

### Core Clerkship Directors College of Medicine - Memphis

#### Family Medicine

**Sarah Tiggelaar, M.D.**

Phone: 901-866-8812

Email: [stiggela@uthsc.edu](mailto:stiggela@uthsc.edu)

**Contact: Sharon E. Tabachnick**

Website: Family Medicine Clerkship

Contact Phone: (901) 448-7574

#### Medicine

**Amando X. Freire, M.D.**

Phone: (901) 448-5757

Email: [afreire@uthsc.edu](mailto:afreire@uthsc.edu)

**Contact: Stefano Cannioto**

Website: Medicine Clerkship

Contact Phone: (901) 448-6809

#### Neurology

**Mervat Wahba, M.D.**

Phone: (901) 448-3731

Email: [mwahba@uthsc.edu](mailto:mwahba@uthsc.edu)

**Contact: Wendy Elliott**

Website: Neurology Clerkship

Contact Phone: (901) 448-6375

## OB-GYN

**Levi-D'Ancona, M.D.**

Phone: (901) 448-4785

Email: [leviro@uthsc.edu](mailto:leviro@uthsc.edu)

**Contact: Martha Velez**

Website: OB-GYN Clerkship

Contact Phone: (901) 448-5859

## Pediatrics

**Kristen Bettin, M.D.**

Phone: (901) 287-6292

Email: [kbettin@uthsc.edu](mailto:kbettin@uthsc.edu)

**Contact: Jennifer Wilson**

Website: Pediatrics Clerkship

Contact Phone: (901) 287-6292

## Psychiatry

**Jyotsna Ranga, Ph.D.**

Phone: (901) 448-4561

Email: [jranga@uthsc.edu](mailto:jranga@uthsc.edu)

**Contact: Terika Miller**

Website: Psychiatry Clerkship

Contact Phone: (901) 448-4561

## Surgery

**Gayle Minard, M.D.**

Phone: (901) 448-8370

Email: [gminard@uthsc.edu](mailto:gminard@uthsc.edu)

**Contact: Courtney Bishop**

Website: Surgery Clerkship

Contact Phone: (901) 448-8370

## College of Medicine - Chattanooga

### Family Medicine

**J. Mack Worthington, M.D.**

Email: Dr.JMack.Worthington@erlanger.org

**Contact: Elissa McCoy**

Contact Phone: (423) 778-2957

### Medicine

**Gary Malakoff, M.D.**

Email: Gary.Malakoff@erlanger.org

Phone: (423) 778-2998

**Contact: Joyce Poke**

Contact Phone: (423) 778-6670

### Neurology

**Abdelazim Sirelkhatim, M.D.**

Dr.Abdelazim.Sirelkhatim@erlanger.org

(423) 778-4660

**Contact: Joyce Poke**

Contact Phone: (423) 778-6670

### OB-GYN

**Jeanie Dassow, M.D.**

Phone: (423) 778-5192

Email: Jeanie.Dassow@erlanger.org

**Contact: Jacqueline Hogan**

Contact Phone: (423) 778-7515

### Pediatrics

**Cathy Stevens, M.D.**

Phone: (423) 778-6112

**Contact: Debra Gignilliat**

Email: [debra.gignilliat@erlanger.org](mailto:debra.gignilliat@erlanger.org)  
Contact Phone: (423) 778-6185

## Psychiatry

**Terry Holmes, MD**  
Email: [terry.holmes@tn.gov](mailto:terry.holmes@tn.gov)

**Contact: Michelle Walker**  
Contact Phone: (423) 785-3343

**Contact: Joyce Poke**  
Contact Phone: (423) 778-6670

## Surgery

**Michael Greer, M.D.**  
Phone: (423) 778-7695  
Email: [Michael.Greer@erlanger.org](mailto:Michael.Greer@erlanger.org)

**Contact: Gwen Fryar**  
**Contact: Maggie Hamblen**  
Contact Phone: (423) 778-7695

## COM Chattanooga Housing for Students

### **Pam Scott**

Medical Education Office  
UT College of Medicine Chattanooga  
960 East Third St., Suite 104  
Chattanooga, TN 37403  
Phone: (423) 778-7442

Housing Requests: <http://www.utcomchatt.org/subpage.php?pageId=1053>

### ***Radiology***

**Blaise Baxter M.D.**  
[Blaise.Baxter@erlanger.org](mailto:Blaise.Baxter@erlanger.org)

**Contact: Marc Ann Skarda**  
[Marc.Skarda@erlanger.org](mailto:Marc.Skarda@erlanger.org)

(423) 778-7371

Note: Click on this link to access interactive Erlanger Maps for locations in Chattanooga- <http://www.pointsmap.com/erlanger/>.

## College of Medicine - Knoxville

### Family Medicine

**Bill Dabbs**

(865) 305-9352

[wdabbs@utmck.edu](mailto:wdabbs@utmck.edu)

**Contact: Diane Jones**

[djones@utmck.edu](mailto:djones@utmck.edu) (865) 305-9352

**Missy Maples**

[mmaples@utmck.edu](mailto:mmaples@utmck.edu) (865) 305-9618

### Medicine

**Janet Purkey, M.D.**

Phone: (865) 305-9340

[janetpurkey@gmail.com](mailto:janetpurkey@gmail.com)

**Contact: Susan Hill**

[shill@utmck.edu](mailto:shill@utmck.edu) (865) 305-9340

**Missy Maples**

[mmaples@utmck.edu](mailto:mmaples@utmck.edu) (865) 305-9618

### Neurology

**Steven Rider, M.D.**

Phone: (865) 521-6174

[srider@utmck.edu](mailto:srider@utmck.edu)

**Contact: Lolita Davis**

[lodavis@utmck.edu](mailto:lodavis@utmck.edu) (865) 305-5561

**Missy Maples**

[mmaples@utmck.edu](mailto:mmaples@utmck.edu) (865) 305-9618

### OB-GYN

**Paige Johnson, M.D.**

Phone: (865) 305-9306

[kpjohnson@utmck.edu](mailto:kpjohnson@utmck.edu)



**Contact: Venessa Rucker**

[vrucker@utmck.edu](mailto:vrucker@utmck.edu) (865) 305-9306

**Missy Maples**

[mmaples@utmck.edu](mailto:mmaples@utmck.edu) (865) 305-9618

Contact: Missy Maples

**Pediatrics**

**Joseph Peeden, M.D.**

Phone: (865) 541-8381

[josephpeeden@gmail.com](mailto:josephpeeden@gmail.com)

**Contact: Kathy Graybeal**

[graybealk@etch.com](mailto:graybealk@etch.com) (865) 541-8381

**Missy Maples**

[mmaples@utmck.edu](mailto:mmaples@utmck.edu) (865) 305-9618

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## Psychiatry

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**Paul Miller, M.D.**

Phone: (865) 982-2306

[paulwarrickmiller@yahoo.com](mailto:paulwarrickmiller@yahoo.com)

**Contact: Anna Shugart (Director, EHRC)**

[ashugart@bmnet.com](mailto:ashugart@bmnet.com) (865) 982-2306

**Missy Maples**

[mmaples@utmck.edu](mailto:mmaples@utmck.edu) (865) 305-9618

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## Surgery

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**Mariah Beasley, M.D.**

Phone: (865) 305-9294

[mbeasley@utmck.edu](mailto:mbeasley@utmck.edu)

**Contact: Rachel Roberts**

[rechols@utmck.edu](mailto:rechols@utmck.edu) (865) 305-9294

**Missy Maples**

[mmaples@utmck.edu](mailto:mmaples@utmck.edu) (865) 305-9618

## COM Knoxville Housing for Students

**Ms. Missy Maples**

Office of Student Affairs

Graduate School of Medicine @ UTMCK

1924 Alcoa Highway, Third Floor GSM Building, Room 327

Knoxville, TN 37920

Phone: (865) 305-9618

## College of Medicine - Nashville

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### Medicine

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Allen Vantrease, M.D., FACP

Email: [Allen.vantrease@sth.org](mailto:Allen.vantrease@sth.org)

Phone: (615) 668-5644

Contact: Tracy Bradley

Contact Phone: (615) 284-2522

Contact Fax: (615) 284-1694

## COM Nashville Housing for Students

Ms. Tracy Bradley

Baptist Dept. of Internal Medicine

University of Tennessee-Nashville

2000 Church St

Nashville, TN 37236

Phone: (615) 284-3353

## OF SPECIAL NOTE

- **A STUDENT MUST BE OFFICIALLY ENROLLED IN AN ELECTIVE TO RECEIVE CREDIT!**
- **RETROACTIVE CREDIT WILL NOT BE GRANTED!**
- **CHANGES TO SCHEDULE**

Students should plan for their senior year in a thorough and adequate manner. Once the schedule is finalized, certain changes can be made depending on the availability, etc. Students will be allowed to make changes to respective programs in their academic schedule via the computer. ***SUCH CHANGES WILL ONLY BE ACCEPTED IF MADE AT LEAST ONE ENTIRE BLOCK PRIOR TO THE BLOCK WHEN THE SCHEDULED PROGRAM IS TO BEGIN (i.e. a program to be taken in Block 8 must be scheduled by the end of Block 6.*** The only exception to the time when the changes can be made will be in instances of illness, family emergency or academic deficiencies. **Again, the only changes allowed less than 1 block notice prior to the block when a program is scheduled will be because of illness, family emergency or academic deficiency circumstances.**

**MEMPHIS ELECTIVES**  
**Interdepartmental Electives**

**SPE1-3001/F - Specialty Clerkship (7 credit hours), this course is offered in the fall and spring. The course is a clinical rotation.**

**NOTE: NOT AVAILABLE IN BLOCK 5/2017**

This clerkship will expose the student to a 1-week each in Anesthesiology, Radiology, ICU and Palliative Care. If you have had a month of Anesthesiology, Radiology or ICU, then you may substitute Cardiology or Infectious Disease for these. Palliative Care is required and cannot be substituted. The course will be graded "Pass/Fail". This clerkship is available in selected blocks in Knoxville (SPE2-3001/F) and Chattanooga (SPE3-3001/F).

The first Monday of the clerkship you will have a mandatory orientation in which you will receive an email with the details of where to attend. You will report to the following locations all other days or as directed by personnel for each rotation. **If you have any questions about this clerkship please contact Kimerlee Norwood at [Knorwood@uthsc.edu](mailto:Knorwood@uthsc.edu) or 901-448-3843.**

**Specialty Clerkship Site Reporting Locations**

<b>Specialty Clerkship</b>	<b>Reporting Location</b>	<b>Contact Info (in case of emergency)</b>
Anesthesiology (only 2/week)	OR 4 <sup>th</sup> floor Chandler Bldg 7:00 am You should receive an email a week prior w/ a schedule.	JoAn Young 901-448-5892 <a href="mailto:jyoung@uthsc.edu">jyoung@uthsc.edu</a>
Cardiology	<b>NOTE: This week can only be taken if you have completed a month of ICU, Radiology, or Anesthesiology and would like to substitute for one of those weeks.</b>  ** Contact Ms. Coleman the week prior to your rotation for your assignment.	Brenda Coleman 901-448-5750 Bcolema4@uthsc.edu
ICU – ALL Please note.	<b>NOTE: For ALL the ICU rotations,</b> "Students should report daily to the ICU (Monday through Sunday), as noted below. You may leave around 6 PM (unless the day's work is not finished). There is no night call."	*notify Bobbie Morton for VA

ICU – MED	Report to the General ICU on the 4th floor of the Regional One Health at 7AM and ask one of the nurses to page the Critical Care ICU fellow at 901-448-5757.	Bernice Fenner 901-448-6820 <a href="mailto:bfenner@uthsc.edu">bfenner@uthsc.edu</a>
ICU - PEDS	Report at 7:00 am to the PEDS ICU on the 2 <sup>nd</sup> floor at LeBonheur. Ask either the attending physician or the attending fellow what your assignment is (there are no names because these change frequently).	Jennifer Wilson Pediatric Student Coordinator <a href="mailto:Jmcadoo3@uthsc.edu">Jmcadoo3@uthsc.edu</a>
ICU - Trauma	Report to the Trauma ICU, on the ground floor of the Jefferson Building of the Regional One Health, on Monday at 6:45 AM. Page the TICU resident if he/she is not immediately available at pager 790-9000.	Gayle Minard, MD 901-448-8370 <a href="mailto:gminard@uthsc.edu">gminard@uthsc.edu</a>
ICU – VA Med	Report to the VA Med ICU at 8:00 am. Ask for the Pulmonary Critical Care fellow at 901-448-5757.	Bernice Fenner 901-448-6820 <a href="mailto:bfenner@uthsc.edu">bfenner@uthsc.edu</a>
ICU – VA Surg	Report to the Surgical ICU, on the third floor of the bed tower of the VA, on Monday at 6:00 am. Page the SICU resident if he/she is not immediately available at pager 577-7288, pager 170.	Gayle Minard, MD 901-448-8370 <a href="mailto:gminard@uthsc.edu">gminard@uthsc.edu</a>
Infectious Disease @ VA (only 1/week)	<b>NOTE: This week can only be taken if you have completed a month of ICU, Radiology, or Anesthesiology and would like to substitute for one of those weeks.</b>  Dr. Brewer will email you as to where to report. If you do not have an email by Thursday the week before, please contact Dr. Brewer.	Faculty contact: Dr. Susan Brewer <a href="mailto:sbrewer@uthsc.edu">sbrewer@uthsc.edu</a>
Palliative Care @ Methodist Alliance	Methodist Alliance Hospice 6400 Shelby View Drive, Ste 101 Memphis, TN 38134 901-516-1600  <b>Report according to the schedule you received.</b>	Haley Geabhart <a href="mailto:Hgeabhar@uthsc.edu">Hgeabhar@uthsc.edu</a> (901) 287-5584 office (901) 484-3435 cell  If you are unable to make it, call Dr. Clay Jackson @ 901-481-0110 or email in advance to <a href="mailto:mydocjackson@live.com">mydocjackson@live.com</a>
Radiology	<b>Report according to the schedule you receive from Ms. Felix.</b>	Catina Price <a href="mailto:Cprice38@uthsc.edu">Cprice38@uthsc.edu</a>

		(901) 448-8250
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**MED Scrubs:** You are required to wear Regional One issued scrubs on the Anesthesiology rotation. You will obtain these from the Scrubex machine at Regional One. If you have issues with the machine, please contact Brenda McFarland at [Bmcfarland@regionalonehealth.org](mailto:Bmcfarland@regionalonehealth.org). Should you have a problem or lose your access code, please contact someone at 901-545-8477.

**SPECIALTY CLERKSHIP OBJECTIVES**

***Anesthesiology***

Objective: The student will be introduced to the principles of airway management and preoperative anesthesia management in Anesthesiology.

Special considerations: Assignments made for five days of the week in Medical Center Area.

***ICU***

Objective: In ICU, the student will learn about the basics of mechanical ventilation and the hemodynamics in the monitoring of the patient.

Special considerations: **One student each can select among assignment to Regional One Health (Dr. Brewer), VA Med (Dr. Brewer), Trauma (Dr. Minard), VA Surg (Dr. Minard) and Peds (Dr. Jameson).** Assignments will be for seven days and run from Monday thru Sunday.

***Palliative Care/End of Life***

Objective: As a result of spending one week on Palliative Care/End of Life service students will experience a multidisciplinary approach to symptom and pain evaluation and management in patients with advanced illnesses, and be able to improve the quality of care for patients by setting realistic treatment goals for patients and their families. The student will gain awareness of ethical and legal issues of patients and their caregivers during advanced illness. The student will gain an understanding of working with an interdisciplinary team (IDT). Students are REQUIRED to conduct home visits during this rotation.

Special considerations: Assignments will be Monday thru Friday with some on-call status, evenings and week-end.

***Radiology***

Objective: Radiology is a vast field in which students will learn basics in analysis of fetuses, children and adults using plainfilm, fluoroscopy and cross-sectional imaging. There will be nightly readings, various activities (group and individual), lectures, rotations in clinical reading activities and clinical conferences, and will culminate in a case presentation at the end of the week. This is a brief introduction to clinical imaging.

Special considerations: Assignments will be Monday thru Friday.

## **ID - Infectious Disease**

Objective: The Infectious Disease rotation is designed to familiarize students with the evaluation and management of adult infectious diseases, and antimicrobials and their clinical use. Elements of clinical microbiology and epidemiology (especially hospital epidemiology) will be incorporated in the preceptorship, including review of stains, cultures, susceptibility, data, etc. The student will be responsible for initial evaluation of all patients. They will follow the patients daily, formulate plans of management and, under the supervision of a resident and attending, will write orders and notes on all infectious disease service patients. They will review stains, cultures, etc. daily on all patients.

Special considerations: Assignments made for five days of the week in Medical Center Area.

## ***Cardiology***

Objective: This rotation is designed to introduce the student to the wide array of diagnostic and therapeutic techniques used in contemporary cardiology practice. The elective will emphasize increasing knowledge in the areas of cardiac history-taking and physical examination of the cardiovascular system by working with faculty to provide cardiology consultations. As time permits, the student will also observe in the electrocardiographic, exercise testing, ambulatory ECG, echocardiographic and nuclear cardiology laboratories. Conferences will include 3 weekly cardiology conferences (Monday, Tuesday, and Friday), Medical Grand Rounds (Wednesday) and cardiac catheterization conference (Tuesday).

Special considerations: Assignments made for five days of the week in Medical Center Area.

### **IDE1-4001/F SPECIAL ELECTIVE**

Course Coordinator: Dr. Valerie Jameson

Locations: Varies

Size: 999

This course number is used for scheduling a special elective which has no course description in this catalog. Final scheduling of such is done only through the Office of Medical Education and Faculty Affairs. This course should be scheduled like any other course on the computer. **This elective can be half-time (IDE1-4001/H). This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 or 7 credit hours.**

### **IDE1-4040/F CAPSTONE COURSE**

Course Directors: Dr. Sarah Cross

Course Coordinator: Deborah Barton, MBA

Contact Information: [dedwar30@uthsc.edu](mailto:dedwar30@uthsc.edu) 448-4982

Approval Authorization required: No

Orientation Locations: 920 Madison, 6<sup>th</sup> Floor, Room 653

Size: 50 Students Total

Overnight Call: None

Weekend Work: None

Flexibility:

- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: **Block 1, Block 3, and Block 10**

Prerequisites: None

Pre-reading: None

Link: Online course syllabus located on department website with greater detail, goals and objectives, logistics, etc.

**This is a face-to-face clinical rotation receiving 7 credit hours.**

Back to Basics.edu- more opportunities to review basic science concepts in the framework of clinical cases. Business of Medicine- TBL's using the HealthCare Handbook written by medical students Askin and Moore. Guest faculty will discuss health care reform, insurance, regulatory agencies and being a member of a hospital staff. EBM-Improve your skills in searching the literature to answer clinical questions. Ethics-Review of concepts plus discussion of cases you have encountered. Intern school-Focus on skills to prepare students for life as a house officer, including radiology review, ECG review, what to do on call, line placement and intubation skills, and the opportunity for ACLS certification. Legal Issues in Medicine series from Dr. Carol Schwab. Teaching-Academy- learn teaching and learning techniques for residency and beyond; the Five-minute preceptor, and other teaching techniques.



## **IDE1-4060/F BIOETHICS AND THE LAW**

Course Coordinator: Haavi Morreim, JD, PhD

Contact Information: [hmorreim@uthsc.edu](mailto:hmorreim@uthsc.edu) 448-5725

Approval Authorization required: No

Location: TBA/classroom instruction

Orientation location/time: TBA/classroom

Size: 20 maximum (5 minimum)

Overnight Call: None

Weekend Work: None

Flexibility: Students must attend and participate in all classes; some flexibility may be available via advance negotiation.

Deadline for Cancellation: Thirty days before start of elective/rotation

Blocks offered: Block 4 only (half-days, mornings, 4 days/week)

Prerequisites: None

Pre-reading: TBA via direct contact of faculty with enrolled class members

Link: Course syllabus provided via direct contact of faculty with enrolled class members

NOTE: Offered in Block 4 only

**This is a face-to-face clinical rotation offered in the spring and receiving 7 credit hours.**

The course combines discussion and lecture on four topics: informed consent, end of life, human subjects research, healthcare economics. Readings are largely historic legal cases, as students first discuss the cases' facts and issues, then learn how each was actually decided and why. Videos of actual events lend an extra note of reality to several cases. We will also learn how to distinguish between issues the court actually addressed, versus other important questions - - a basic skill that will help the student to discern, going forward, what a court did or did not say in highly publicized court decisions that affect medicine and health care. In addition the class will review a few statutes that concern address important bioethics issues (e.g. the Tennessee Health Care Decisions Act, which addresses advance directives, capacity assessment, surrogacy).

## **IDE1-4061/H CONFLICT RESOLUTION AND COMMUNICATION CHALLENGES IN HEALTH CARE**

Course Coordinator: Haavi Morreim, JD, PhD

Contact Information: [hmorreim@uthsc.edu](mailto:hmorreim@uthsc.edu) 448-5725

Approval Authorization required: No

Location: TBA/classroom instruction

Orientation location/time: TBA/classroom

Size: 12 maximum (4 minimum)

Overnight Call: None

Weekend Work: None

Flexibility: Students must attend and participate in all classes; some flexibility may be available via advance negotiation.

Deadline for Cancellation: Thirty days before start of elective/rotation

Blocks offered: Blocks 2 (1st half) and 8 (1<sup>st</sup> half) (half-time)

Prerequisites: None

Pre-reading: TBA via direct contact of faculty with enrolled class members

Link: Course syllabus provided via direct contact of faculty with enrolled class members

NOTE: Half-time only and offered only in Blocks 2 (1st half) and 8 (1<sup>st</sup> half)

**This is a face-to-face clinical rotation offered in the spring and receiving 3.5 credit hours.**

The instruction will feature some lecture, but mainly emphasizes learn-by-doing. Instruction will initially familiarize students with a "toolbox" of skills essential to conflict resolution and communication, then integrate those skills into a variety of simulation exercises that are based on real cases. Each simulation is followed by in-depth debriefing with extensive feedback. Three main modules are: disclosing adverse outcomes, errors and other bad news; negotiation; and mediation (serving as a neutral to help others resolve their conflict). Class attendance is essential, hence required. Reading assignments will be moderate but important to enriching and integrating in-class activities. Dr. Morreim is a Tennessee Supreme Court Rule 31-Listed Mediator for both civil and family matters, and is experienced in mediating conflicts ranging from health care and 'bioethics mediation', to a variety of litigated conflicts.

### **IDE1-5050/F LEGAL ISSUES IN HEALTH CARE**

Course Coordinator: Carol A. Schwab, J.D., LL.M.

Contact Information: email: [cschwab@uthsc.edu](mailto:cschwab@uthsc.edu), office phone: 901-448-2201

Approval Authorization required: No

Location: Classroom instruction in the GEB, Room TBA

Orientation location: None

Size: 16 students per Block - a minimum of 4 students is needed for the class to go forward (Additional students may be accepted in the class at the discretion of the course director)

Overnight Call: None

Weekend Work: Students will have assignments to be completed outside of the classroom

Flexibility: Students are expected to attend the 16 class sessions of 3 – 3½ hours each. Class is usually held in the mornings, Monday through Thursday, although this is subject to change when necessary due to weather, etc. Class participation counts heavily in the final grade, and attendance is expected.

- Half Block: Not available
- Time off for Interviews: Not Negotiable
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: Block 2 (February) and Block 4 (April)

Prerequisites: None

Pre-reading: Reading assignments will be given for each class period

Link: Online course syllabus located on Blackboard with greater detail, goals and objectives, logistics, etc.

**This is a face to face clinical rotation receiving 7 credit hours.**

This elective prepares students to meet the legal challenges that will face them in the practice of medicine. Using a team-based, case study method, students will be able to identify, describe, and apply basic legal/medical principles, including the physician-patient relationship, consent, confidentiality, medical records, competency, surrogate decision-makers, reporting communicable diseases, advance directives and other end-of-life documents, liability and risk management, the legal issues of mental health, the business side of medicine, and prescribing practices. The method of instruction relies heavily on team-based learning principles, but includes interactive lectures and group discussion. **Objectives:** Students will be able to (1) identify basic legal/medical issues that may arise in the care and treatment of patients; (2) describe the legal /ethical consequences of failing to conform to accepted standards of practice; (3) improve risk management techniques employed in their practice; and (4) minimize the potential for lawsuits and/or disciplinary actions filed against them.

### **IDE1-6060/H HEARTSTRINGS: HUMANISM AND REFLECTION IN MEDICINE**

Course Director: Kimberlee Norwood, MA

Contact Informaiton: [knorwood@uthsc.edu](mailto:knorwood@uthsc.edu), 901-448-3843

Approval Authorization required: No

Location: TBA

Orientation Location: TBA

Size: 8-12 students

Overnight Call: None

Weekend Work: assigned assignments

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of elective; most likely not allowed due to short length
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of clerkship

Blocks offered: Blocks 2, 3, 6, 8, 9 and 10

Prerequisites: None

Pre-reading: Readings will be assigned a week in advance

Link: None

Grading: P/F

**This is a face-to-face clinical rotation offered in the spring and receiving 3.5 credit hours.**

In this course, students will reflect – the conscious weighing and integrating of views from different perspectives - on their experiences in medicine with an emphasis on humanism in medicine - patient-centered care through open communication, mutual respect, and emotional connection between physicians and their patients. Students will meet each day for 2-4 hours of evidence-based reflection exercises and will continue to work on the reflection after the small group. Some activities will include reflective writing and discussion from posed questions; literature searches and readings, discussions; and a presentation of created works on the last Friday of the two-weeks. Through these exercises, students will improve patient care by enhancing the doctor-patient relationship, improve patient-centered care, revive a sense of compassion and humanism, and recognize disparities in health, increase critical thinking skills, have the opportunity to self-reflect, build communication skills, improve professionalism, and recognize characteristics of effective medical teams.

### **IDE9-4010/F INTERNATIONAL HEALTH STUDIES**

Course Coordinator: Dr. Valerie Jameson

Location: Varies

Size: Variable

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective will involve the student in specifically designed and approved experiences in other countries. Opportunities to gain first hand knowledge of health care systems, diseases, and/or research will be available. **Students must complete a summary of this elective before a final grade is awarded.** Contact office of Medical Education for further information.

### **ISRAEL/PALESTINE GLOBAL HEALTH ELECTIVE**

#### **UNIVERSITY OF TENNESSEE-NASHVILLE FAMILY MEDICINE RESIDENCY PROGRAM**

Preceptor: Dr. David McRay

University of Tennessee-Nashville Family Medicine Residency Program 615-396-6620 (Office), 615-396-6456 (Desk), 615-396-6635 (Fax)

[david.mcray@sth.org](mailto:david.mcray@sth.org), <http://www.comnashville.uthsc.edu/content/family-medicine>

During the rotation, the residents and students visit the *Department of Family Medicine at the Joyce and Irving Goldman Medical School of Ben Gurion University* in Beer Sheva. Established in 1974, the medical school represents a novel and experimental approach to medical education in a very challenging environment, under extremely adverse economic and psychological conditions. The school has become an international leader in the field of community medicine, receiving special recognition from the World Health Organization and partnering with major academic institutions across the United States and around the world. The majority of primary care services in the Negev desert are provided by family physicians affiliated with this

department. They provide services in a wide variety of settings to a diverse patient population – in the cities, on the kibbutzim, and among the semi-nomadic Bedouins.



### **OPM1-4001/F OPTION MONTH**

This course number is used for scheduling option (vacation) months in which no academic credit is earned. Option months should be scheduled like any elective except that only one choice is necessary. This option can be scheduled half-time (OPM1-4001/H).

## DEPARTMENT OF ANESTHESIOLOGY

### ANE1-4010/F CLINICAL ANESTHESIOLOGY

Course Coordinator: Christopher Sharp, MD

Location: Regional One Health/UTHSC Department of Anesthesiology

Size: 3

***This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.***

### Teaching and Learning Activities

***100% attendance is required for all learning activities.***

Three methods are available to aid the students in meeting the course objectives and learning the basics of clinical anesthesia.

**Clinical** – The students will be assigned to a clinical preceptor for each day. Preceptors will be nurse anesthetists and physician anesthesiologists working in the care team model. The students are expected to participate in all anesthetics and related activities in which his or her preceptor is involved.

**Didactic** – Attendance at weekly departmental afternoon (3PM) conference is required. In addition, the Outpatient Surgery Center or Trauma attending physician anesthesiologist will hold a daily discussion on basic anesthesia topics for the students (typically based on a chapter from Miller's *Basics of Anesthesia*). These will occur in the morning, usually around 11:30am, either in the Outpatient Surgery Center anesthesia office or Trauma lounge. Attendance at monthly departmental Grand Rounds/M&M Conference, held in the Anesthesia Conference Room, 6<sup>th</sup> Floor Chandler, on the 4<sup>th</sup> Wednesday of each month at 7:00 am, is also required.

• **Reading/Learning Resources** – Free time during the day should be spent reading. The student will receive a list of reading assignments for each day, based on the next day's discussion topic. **Each assignment should be read the night before your conference with the Second Call staff anesthesiologist.**

*For more advanced reading or for special topics, students should refer to Miller's Anesthesia, Clinical Anesthesia by Barash, or Chestnut's Obstetric Anesthesia, Principles and Practice. Access to these textbooks is available.*

### DAILY ASSIGNMENTS -

Student should arrive at the Outpatient Surgery Center at 7:00 am on weekdays, except for the fourth Wednesday of the month, where they will arrive at 7:00 am to the Anesthesia Conference Room, Chandler 6<sup>th</sup> Floor, for the Grand Rounds/M&M Conference. Following the conference, students will report to the Outpatient Surgery Center or alternate anesthetizing location as directed for clinical duties that day.

At 7:00 am, students should report to the attending physician anesthesiologist to receive daily assignments.

**ANE9-4010/F VISITING ELECTIVE IN ANESTHESIOLOGY**

Course Coordinator: Department Chair

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course number is used by UTHSC students only for scheduling a visiting elective at another medical school for which credit is granted at UTHSC.

## DEPARTMENT OF FAMILY MEDICINE

### Junior Internship Rotation's JI's

#### FME1-3001/F FAMILY MEDICINE CLERKSHIP

Course Coordinator: Dr. Muneeza Khan, Dr. Sarah Tiggelaar

Contact Information: [stabachn@uthsc.edu](mailto:stabachn@uthsc.edu), 901-448-7574

Approval Authorization required: No

Location: Varies

Orientation location/time: Generally on the first Monday of the Rotation at 8:00 am at the St. Francis Family Medicine Clinic, 1301 Primacy Parkway, Memphis, TN 38119, in the Conference Room

Size: 25 students total

Overnight Call: Some

Weekend Work: Some

Flexibility:

Half Block: Not available

Time off for Interviews: Negotiable thirty days prior to start of elective; if approved, time must be made up in the hospital on weekends

Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: None

Pre-reading: None

Link: <https://www.uthsc.edu/fammed/>

**This is a face to face clinical rotation receiving 14 credit hours.**

This Clerkship is a two-Block clinical experience during which time students participate in a unique breadth of patient care in the context of family and community. Students experience traditional office-based practice under the supervision of UT Family Medicine preceptors. With the office practice as a base, the family physician serves all aspects of patient care involving both inpatient and outpatient settings, ranging from the hospital to the nursing home. Typically, students spend half of their FME Clerkship in an outpatient setting, and the other half in an inpatient setting. The clerkship is a full-time learning experience, typically mirroring the family physician preceptor and including both weekend responsibilities and night call. Students have several written assignments to complete as well as assigned readings during the Clerkship. For additional information, please contact Sharon Tabachnick, PhD, Education Coordinator ([stabachn@uthsc.edu](mailto:stabachn@uthsc.edu), 901-448-7574). This clerkship is also offered in Knoxville (FME2–3001/F) and Chattanooga (FME3-3001/F).



## **FME1-3010/F JI ANY - SENIOR CLERKSHIP**

JUNIOR INTERNSHIP IN FAMILY MEDICINE  
UT/ST. FRANCIS HOSPITAL RESIDENCY PROGRAM

Course Coordinator: Dr. Muneeza Khan, Dr. Sarah Tiggelaar

Contact Information: [stabachn@uthsc.edu](mailto:stabachn@uthsc.edu), 901-448-7574

Approval Authorization required: No

Location: Memphis, TN

Orientation location/time: None. Students will be contacted individually prior to the beginning of the Clerkship.

Size: 2 students total

Overnight Call: Some

Weekend Work: Some

Flexibility:

Half Block: Not available

Time off for Interviews: Negotiable thirty days prior to start of elective; if approved, time must be made up in the hospital on weekends

Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: None

Pre-reading: None

Link: <https://www.uthsc.edu/fammed/>

**This is a face to face clinical rotation receiving 7 credit hours.**

This rotation will allow students to obtain a broad-based experience in Family Medicine. Students on the inpatient hospital service will function as junior interns and admit patients, design treatment plans and follow these patients throughout their hospital stay. Students generally spend time on the medicine service, obstetric service, night float, and clinic service with Family Medicine residents and supervisors. Students will also spend time in our ambulatory procedures clinic, learning an introduction to office ultrasound, colposcopy, and office based surgical procedures. Attendance at teaching conferences, and night call enhance the experience of an active family practice. Schedules will be discussed with the student prior to the beginning of the rotation and may be adjusted according to particular interests. For additional information, please contact Sharon Tabachnick, PhD, Education Coordinator ([stabachn@uthsc.edu](mailto:stabachn@uthsc.edu), 901-448-7574).

**FME1-3012/F JI ANY - SENIOR CLERKSHIP-JUNIOR INTERNSHIP IN FAMILY MEDICINE COMMUNITY-BASED CLINICS**

Course Coordinator: Dr. Muneeza Khan, Dr. Sarah Tiggelaar

Contact Information: [stabachn@uthsc.edu](mailto:stabachn@uthsc.edu), 901-448-7574

Approval Authorization required: No

Location: Varies

Orientation location/time: None. Students will be contacted individually prior to the beginning of the Clerkship.

Size: 2 students total

Overnight Call: Some

Weekend Work: Some

Flexibility:

Half Block: Not available

Time off for Interviews: Negotiable thirty days prior to start of elective; if approved, time must be made up in the hospital on weekends

Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: Most Blocks, except for November-December

Prerequisites: None

Pre-reading: None

Link: <https://www.uthsc.edu/fammed/>

**This is a face to face clinical rotation receiving 7 credit hours.**

This clerkship allows students to function as junior interns by assuming substantial patient responsibility on an outpatient and/or inpatient teaching service. Also available to students may be office exposure to colposcopy, flexible sigmoidoscopy, and endoscopy, Ob-Gyn, and office surgical procedures. Responsibilities may include admissions, histories, physicals, daily notes, treatment plans, and written orders to fulfill treatment plans. Students will be supervised by family practice clinical faculty. They will also be required to attend rounds, conferences, and take call. For additional information, please contact Sharon Tabachnick, PhD, Education Coordinator ([stabachn@uthsc.edu](mailto:stabachn@uthsc.edu), 901-448-7574).

**FME5-3010/F JI ANY - SENIOR CLERKSHIP-JUNIOR INTERNSHIP IN FAMILY MEDICINE-JACKSON-MADISON HOSPITAL RESIDENCY PROGRAMS**

Course Coordinators: Dr. Gregg Mitchell, Dr. Keith Ellis

Contact Information: [hgreenwa@uthsc.edu](mailto:hgreenwa@uthsc.edu), 731-423-1932, ext. 262

Approval Authorization required: Yes. Please e-mail Heather Cavness at [hgreenwa@uthsc.edu](mailto:hgreenwa@uthsc.edu) for details.

Location: Jackson, TN

Orientation location/time: TBA

Size: 3 students total

Overnight Call: Some

Weekend Work: Some

Flexibility:

Half Block: Not available

Time off for Interviews: Negotiable thirty days prior to start of elective; if approved, time must be made up in the hospital on weekends

Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: None

Pre-reading: None

Link: <https://www.uthsc.edu/UTFamJac/clerkships.php>

**This is a face to face clinical rotation receiving 7 credit hours.**

This clerkship allows students to function as junior interns by assuming substantial patient responsibility on an inpatient teaching service. Also available to students may be office exposure to colposcopy, flexible sigmoidoscopy, endoscopy, and office surgical procedures. Responsibilities may include admission, histories, physicals, daily notes, treatment plans and written orders to fulfill treatment plans. The inpatient experience will be complemented with ambulatory patient care in the Family Medicine centers. Students will be supervised by residents and Family Medicine faculty. They will also be required to attend rounds, conferences and take call. For more information, please contact Heather Cavness, Recruiting Coordinator ([hgreenwa@uthsc.edu](mailto:hgreenwa@uthsc.edu), 731-423-1932, ext. 262).

## **FME5-3033/F JI – SENIOR CLERKSHIP IN EMERGENCY MEDICINE**

Course Coordinators: Dr. Gregg Mitchell, Dr. Keith Ellis, Dr. Mike Revelle, and Emergency Medicine Fellows

Contact Information: [hgreenwa@uthsc.edu](mailto:hgreenwa@uthsc.edu), 731-423-1932, ext. 262

Approval Authorization required: Yes. Please e-mail Heather Cavness at [hgreenwa@uthsc.edu](mailto:hgreenwa@uthsc.edu) for details.

Location: Jackson, TN

Orientation location/time: TBA

Size: 2 students total

Overnight Call: Yes

Weekend Work: Yes

Flexibility:

Half Block: Not available

Time off for Interviews: Negotiable thirty days prior to start of elective; if approved, time must be made up in the hospital on weekends

Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: None

Pre-reading: None

Link: <https://www.uthsc.edu/UTFamJac/clerkships.php>

**This is a face to face clinical rotation receiving 7 credit hours.**

This clerkship provides medical students the opportunity to gain clinical primary care training under Family Physicians supervision in the hospital emergency department for the care of ambulatory patients with emergency and life threatening problems. We have a one year fellowship program to train family physicians in emergency medicine care that the student will work closely with. The number of patients per week for whom the student will have some responsibility is 25-50. The student will be able to formulate assessments of patients and present to the emergency department staff physician along with plan of treatment and disposition. Students will be exposed to adult medicine, pediatrics, OB/GYN, surgical, and behavioral emergencies. Patient selection will be determined by supervising faculty to conform to all emergency department regulations. Attending physician faculty and emergency medicine fellows will always be present and provide direct supervision. The students will perform appropriate logs and course evaluation reports. The usual schedule may vary, but will include a total of 160 contact hours by working 10 to 12 hour shifts. For more information, please contact Heather Cavness, Recruiting Coordinator ([hgreenwa@uthsc.edu](mailto:hgreenwa@uthsc.edu), 731-423-1932, ext. 262).

## **FME1-4010/F FAMILY MEDICINE COMMUNITY PRECEPTORSHIP**

Course Coordinator: Dr. Muneeza Khan, Dr. Sarah Tiggelaar

Contact Information: [stabachn@uthsc.edu](mailto:stabachn@uthsc.edu), 901-448-7574

Approval Authorization required: No

Location: Varies

Orientation location/time: None. Students will be contacted individually prior to the beginning of the Clerkship.

Size: 2 students total

Overnight Call: Some

Weekend Work: Some

Flexibility:

Half Block: Not available

Time off for Interviews: Negotiable thirty days prior to start of elective; if approved, time must be made up in the hospital on weekends

Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: Most, except for November-December

Prerequisites: None

Pre-reading: None

Link: <https://www.uthsc.edu/fammed/>

**This is a face to face clinical rotation receiving 7 credit hours.**

The primary purpose of this preceptorship is to allow fourth year medical students active participation in ambulatory and/or hospital patient care in a family practice setting. These settings may include rural or urban areas of Tennessee. They will share in the care of the preceptor's patients through the clinical management of family practice patients. Student's responsibilities will include patient workups, histories, physical examinations, and review of laboratory and diagnostic data. The student will be directly supervised and guided through this process by members of the clinical faculty and approved preceptors. The student can expect opportunities for "hands on" experiences and for improving their clinical skills, both in history taking and in physical and laboratory examination as they pertain to medical problems common to Family Medicine. For additional information, please contact Sharon Tabachnick, PhD, Education Coordinator ([stabachn@uthsc.edu](mailto:stabachn@uthsc.edu), 901-448-7574).

## **FME9-4010/F VISITING ELECTIVE IN FAMILY MEDICINE**

Course Coordinators: Dr. Muneeza Khan

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course number is used by UTHSC students only for scheduling a visiting elective at another medical school for which credit is granted at UTHSC. UT Family Medicine Department is happy to share resources and provide personal assistance in locating and scheduling off campus electives in Family Medicine at other medical schools and Family Medicine Residency Training Programs throughout the nation. For additional information, please contact Sharon Tabachnick, Ph.D., Preceptor Coordinator ([stabachn@uthsc.edu](mailto:stabachn@uthsc.edu), 901-448-7574).

## **DEPARTMENT OF MEDICINE**

### **MED1-3001/F MEDICINE CLERKSHIP**

Clerkship Director: Dr. Amado X. Freire

Location: Memphis

**This is a face to face clinical rotation offered in the fall and spring and receiving 14 credit hours.**

**NOTE: Must pass core clerkship to schedule any senior clerkship in medicine**

Core Clerkship in Medicine (14 credit hours). The clinical clerkship in medicine is designed to provide the medical student with an opportunity to learn by experience in patient care and by the examples set by the faculty and house staff. The student is a participating member of the clinical

team responsible for patient care which includes residents and the attending physician. A student is expected to: (1) acquire skill and efficiency in history taking and physical examinations, in technical procedures, in the assembly and interpretation of laboratory data, and in patient diagnosis and management; (2) apply to clinical problems the knowledge and facts acquired in the biomedical sciences; and (3) read current medical journals as well as textbooks. Each student is assigned to the University Medical Services at the Veterans Affairs Medical Center, the Regional One Health or Methodist University Hospital for the eight-week rotation. At the mid-point of the clerkship, each student will switch from one hospital assignment to another. Alternatively, students may rotate through Baptist Hospital in Nashville for four weeks of their rotation (Nashville MED4-3001/F). This clerkship is also offered in Knoxville (MED2-3001/F), and Chattanooga (MED3-3001/F).

### **SENIOR CLERKSHIPS IN MEDICINE (3000 SERIES)**

Senior Clerkships Coordinator: Dr. Amado X. Freire

The student will be introduced to responsibility for inpatient care in a setting where the student is the initial evaluator of the patient's problems as outlined in the general instructions. The student is expected to develop conceptual and manual skills for evaluation and care of internal medicine patients and become more familiar in dealing directly with hospital and other paramedical personnel with appreciation of the team approach to patient care. The student will participate in rounds at least four days per week with the attending physician assigned to the service and will consult daily with the resident house staff on each assigned patient.

The student will attend Medical Grand Rounds every Wednesday and House Staff conferences on Monday, Tuesday, Thursday and Friday. The student will have responsibility for attending patients admitted to his or her assigned service and their on-going care while in the hospital. Where assignments involve subspecialty services, the student will be responsible for all medical aspects of patient's care which will be the primary goal of this experience. For in-depth study of a medical subspecialty students should refer to individual specialty listings of preceptorships or research electives. NOTE: Not available in December as only senior clerkship.

### **JI ANY**

**These are face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

MED1-3029/F JI ANY - CRITICAL CARE MEDICINE (ICU)	Location: Methodist	Size: 3
MED1-3030/F JI ANY - EMERGENCY MEDICINE	Location: Methodist	Size: 2
MED1-3035/F JI ANY - CRITICAL CARE MEDICINE (ICU)	Location: Regional One Health	Size: 2
MED1-3036/F JI ANY - CRITICAL CARE MEDICINE (ICU)	Location: VAMC	Size: 2
MED1-3062/F JI ANY - CARDIAC INTENSIVE CARE UNIT	Location: VAMC	Size: 1

MED1-3063/F JI ANY - CARDIOLOGY	Location: VAMC	Size: 1
MED1-3067/F JI Any – Cardiac Acute Intensive Care	Location: Regional One Health	Size: 2
MED1-3110/F JI ANY – HEMATOLOGY/ONCOLOGY	Location: Methodist	Size: 1

### **GENERAL DESCRIPTION OF ELECTIVES**

The Department of Medicine electives are designed not only for those who wish to pursue a career in internal medicine or general practice but for all students who wish to ensure a firm grounding in clinical skills and in the comprehensive workup of patients. There are three types of rotations offered as indicated below:

#### **1. Required Senior Clerkship in Internal Medicine (MED1-3002/F)**

This required clerkship is an in-patient rotation in which the student functions as a junior intern. The student will assume responsibility for patient care under the supervision of their resident and attending physician. Emphasis will be placed on improving diagnostic and therapeutic planning and extending patient management skills acquired during the junior medicine clerkship. The outpatient and inpatient medicine rotations will be complementary, allowing the student to experience and benefit from the full spectrum of internal medicine.

#### **2. Senior Clerkships in Medicine (3000 Series) (Non-Required)**

Senior Clerkships in Medicine are intended to put the student in a more direct role in patient care similar to internship but closely supervised and directed. It is expected that the senior clerkship student will be responsible for recording the principal data base (with resident or faculty review and counter signature), developing an evaluation and treatment plan, and writing orders on patients (to be reviewed, altered if necessary, and signed by the resident or faculty prior to their implementation). These senior clerkships may be either in general internal medicine, an experience similar to the required senior medicine clerkship, or in subspecialty medicine (MED1-3029/F to MED1-3110/F); however, whether on general medicine or subspecialty ward, the student's responsibility is for learning about the care of patients from the overall viewpoint of internal medicine rather than specifically studying a particular internal medicine subspecialty.

**3. Preceptorial Electives (4000 Series)** To obtain closer rapport with members of the department's faculty, preceptorial electives are strongly recommended, not only for learning a categorical specialty or discipline but to study with an older more experienced student of medicine, namely a member of the full-time faculty or other selected faculty who can teach evaluation, investigation, and integration of medical information. Thus, the major goal of this experience is for students to learn how the faculty member studies medicine and to begin to be an independent student in the clinical setting. Students will see and study patients on an inpatient or outpatient basis will attend conferences, will participate in research, or some combination depending upon the student and faculty member's agreement. The student will also be expected to carry out a review of a clinical topic, mechanism of disease, therapy, or something related to the preceptor's field and to make a presentation to the faculty member or in a seminar or other appropriate forum.



**5. Fellowships in Research (4000 Series ending in 9)** The purpose of these electives are to introduce students at an early stage in their career to the methodology of clinical investigation. Students should apply to one of the faculty supervisors listed under the divisional subspecialty programs for this elective to develop a specific project. Students can consider linking this scheduled elective in tandem with off-quarter research stipend supported work if a longer period to develop a research project is desired. However, only the scheduled elective time (without stipend) can be given formal academic credit.

Research electives (Fellowships) in the Department of Medicine are available in all subspecialty divisions, for one to three months in duration. Arrangements should be made directly with the preceptor at least one month prior to the rotation. Course numbers are as follows:

MED1-4119/F Infectious Diseases

MED1-4129/F Nephrology

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

**For more information about any of the electives or for information about when and where to report call:**

Required Senior Clerkship .....	448-6809
Required Ambulatory Clerkship .....	448-6820
VA Medical Service .....	577-7255
Methodist Hospital Education Office .....	516-8255
Nashville Baptist Hospital .....	(615)284-2522
Cardiology .....	448-5750
Dermatology .....	448-5795
Endocrinology .....	448-5318
Gastroenterology .....	448-5813
Hematology/Oncology .....	448-5798
Infectious Disease .....	448-5770
Nephrology .....	448-5764
Pulmonary/Critical Care Medicine .....	448-5757
Rheumatology .....	448-5774
Physical Medicine .....	722-5885

## **EME1-4010/F EMERGENCY MEDICINE AND TOXICOLOGY**

Course Coordinator: Dr. Chantay Smartt

Location: The Med Emergency Department

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The medical student will gain supervised hands on experience in the practice of emergency medicine. There will be opportunities to learn both about clinical and research opportunities in the field. The student will be involved in the rapid assessment and initial management of patients presenting to the emergency department. They will be able to design treatment plans and interact with emergency room personnel including house staff, EMT's and nurses. Based on availability the student will have the opportunity to do procedures common to the emergency department, including thoracentesis, lumbar puncture, central line placement, paracentesis, blood gas collection, intubation and suturing. All student assessments, procedures and other activities will be directly supervised by full time emergency medicine department attending physicians. Emergency medicine morning reports and conferences are held in the emergency department 3 to 4 days per week (8am-8:30am). Students are also encouraged to attend general medicine conferences as their schedule allows. Upon request, the department research director can provide information and/or hands on experience in both clinical and basic research in emergency medicine and toxicology. The clinical experience will be approximately 36-40 hours per week. The bulk of the shift will be week days (7am-3pm) or evenings (3pm-11pm) based on the schedules of the full time staff.

## **EME1-4033/F EMERGENCY MEDICINE ELECTIVE - MUH**

Course Coordinators: Alan Taylor, MD and Richard Walker, MD

Location: Methodist University Hospital (MUH)

Size: 4

**This is a face to face clinical rotation offered in all blocks except 2, 3, and 7**

**Patient Care:** Demonstrate compassionate care of the patient and professional interaction with the patient and family. Demonstrate the ability to take a focused but complete H&P, formulate a differential and order appropriate studies to confirm the diagnosis. There are opportunities for common Emergency Medicine procedures, including: endotracheal intubation, lumbar puncture, central and peripheral venous access, tube thoracostomy, paracentesis, NG placement, regional blocks, G-tube replacement, Foley catheter placement, nasal packing, suturing, splinting, diagnostic and procedural ultrasound use, and other basic and extraordinary procedures deemed appropriate by attending staff. At all times, your attending physician will be present to provide demonstrations, teaching and supervision.

**Medical Knowledge:** Demonstrate core knowledge of common Emergency Medicine complaints such as altered mental status, chest pain, abdominal pain, difficulty breathing, etc. during the rotation. Attend and participate in weekly conferences. Successfully complete the student clerkship written examination with greater than 80% accuracy. There is a weekly small conference with lectures available to the students. They are expected to attend at least 75% of

the conferences, though special exemption by the clerkship coordinator(s) may be made for scheduling reasons.

**Practice Based Improvement-** Demonstrate the application of evidence based medicine to patient care to improve patient safety, reduce unnecessary expense, facilitate ED flow and provide internal improvement of patient care by formal review process. Students will choose one patient interaction to review with a faculty member formally, after instruction with a prior similar chief complaint, to determine if their care could be improved and would meet "standard of care" within the setting of the Emergency Department.

**Inter-professional and Communications Skills:** Directly contact consultants and admitting services giving appropriate Situation reports, Background of the case, and Recommendations for care. Work with these services to facilitate flow of patient care within the hospital. All of these interactions will be supervised by an attending and, where applicable, a resident. One interaction will be formally graded after the student has had a chance to receive instruction and has had opportunity to provide case presentations to consulting services.

#### **Professionalism:**

Students will be evaluated on their interactions with the patient, family, nursing and support staff, fellow emergency practitioners, and consultants and admitting services. A professional, courteous, and dedicated work ethic is required. Students are expected to show up for shifts on time and see a reasonable number of patients. Students are expected to see and follow through on a minimum of 5 new patients per ten hour shift.

#### **Systems Based Practice:**

The Emergency Department is the most integrated rotation for systems based practice. Interaction with all medical services in the hospital occurs, but, as importantly, so does interaction with bed control, support services (such as respiratory therapy), nursing administration, general administration, environmental services, and every other logistical component of the hospital. Students will get an introduction to the proper use of consultants as well as the proper triage of patients to ensure, firstly the patient's safety, but also the flow of patient care in the hospital as whole. No other rotation emphasizes system wide resource utilization and allocation of resources quite like the Emergency Department.

#### **Summary:**

The student will have the initial contact with the patient, obtain and evaluate their chief complaint, perform a focused medical history, present this case to an attending physician or resident physician and develop a differential diagnosis and plan for the patient under the direct supervision of the attending physician who will be available at all times. The differential diagnosis will be investigated with the appropriate studies approved by residents and attending, and treatment will be provided based on active attending oversight. Students are expected to perform a routine H&P on non-critical patients without the attending present at the bedside, but this will always be verified by the attending and reviewed in every case with the student. Students will participate in care from initial contact to final disposition of the patient. There is no call schedule. Students are expected to be scheduled for 16 shifts per month; none longer than 10 hours in duration with up to 2 hours overflow to complete paperwork if needed. They are expected to attend lecture and simulation/lab teaching session. Shifts may be a mix of day,

evening, and night. This rotation will provide useful skills and techniques to all medical students preparing for their intern year, not just future Emergency Medicine physicians.

### **MED1-4020/F CLINICAL DERMATOLOGY**

Course Coordinator: Dr. Kathryn Schwarzenberger

Location: Varies

Size: 4

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

Students will spend full time with dermatology residents and staff. After attending dermatology clinics, rounds, and conferences, and after an estimated 20 hours of home study, the student should be able to cope with all skin problems normally encountered in family practice and should be able to provide definitive care for at least half of them.

### **MED1-4021/H SKIN ONCOLOGY**

Course Coordinators: Frances K. Lawhead, MD, F.A.A.D. and Courtney S. Woodmansee, MD, F.A.A.D.

Location: 1455 Union

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 credit hours.**

This clinical elective in skin oncology will instruct the student in the recognition, treatment, and prevention of malignancies of the skin. Instruction will be offered in conventional surgical excision, electrodesiccation and curettage, cryosurgery and Mohs micrographic surgery. Training in a clinical setting will be provided as it relates to anatomy, pathology, oncology, histochemical techniques, and local anesthesia.

### **MED1-4060/F PRECEPTORSHIP IN CLINICAL CARDIOLOGY**

Course Coordinator: Dr. Karl Weber

Location: Regional One Health

Size: 2

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective is designed to introduce the student to the wide array of diagnostic and therapeutic techniques used in contemporary cardiology practice. The elective will emphasize increasing knowledge in the areas of cardiac history-taking and physical examination of the cardiovascular system by working with faculty to provide cardiology consultations. The student will also have time in the electrocardiographic, exercise testing, ambulatory ECG, echocardiographic and nuclear cardiology laboratories. An introduction to cardiac catheterization, interpretation of catheterization

data and the management of cardiovascular intensive care unit patients will also be provided. Conferences will include 3 weekly cardiology conferences (Monday, Tuesday, and Friday), Medical Grand Rounds (Wednesday) and cardiac catheterization conference (Tuesday).

### **MED1-4065/F PRECEPTORSHIP IN CARDIAC PHYSICAL DIAGNOSIS AND NONINVASIVE TESTING**

Course Coordinator: Dr. Otis Warr

Location: Baptist East

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The principle objective of this elective is to learn to read electrocardiograms and develop interpretative proficiency. In addition, the student will learn the indications for and application of other non-invasive cardiologic testing modalities including exercise testing, echocardiography, and nuclear cardiology. Conferences will include both general medicine and cardiology conferences each week.

### **MED1-4066/F PRECEPTORSHIP IN CLINICAL CARDIOLOGY**

Course Coordinator: Dr. Ajay Dalal

Location: Methodist

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This preceptorship will afford the student the opportunity to participate in the evaluation and management of patients with cardiology problems. The student will have the opportunity to participate in the care of the acute patient in the Coronary Care Unit as well as observe special

diagnostic procedures carried out through the diagnostic cardiology service. The student will be encouraged to participate in the weekly cardiology conferences as well as the other general medicine conferences held at the Methodist Hospital.

### **MED1-4070/F PRECEPTORSHIP IN CLINICAL ENDOCRINOLOGY AND DIABETES**

Course Coordinators: Dr. S. Solomon and Staff

Location: VAMC

Size: 2

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective is designed to provide students with hands-on experience in dealing with patients with various endocrine disorders. The experiences include inpatient work-ups of endocrine cases, at the Regional One Health or at the VA Hospital. Inpatient care at the VA includes private patients of the endocrine faculty and consultations from other services for endocrine management. The Regional One Health inpatient care consists of consultations from various departments for management of patients with endocrine-metabolic problems. These include at both hospitals patients with brittle diabetes, pre- and post-operative management of diabetic patients with pancreas-kidney transplants, and diabetic patients who have had kidney or liver transplants. Other cases include work-up and management of patients with pituitary tumor, thyroid disorders, hypoglycemia, hyper- and hypocortisolism, hirsutism with insulin resistance, metabolic bone disease and disorders of calcium, and pregnant patients with diabetes or thyroid problems. Since this elective is designed as a comprehensive course in clinical endocrinology, the students also participate in out-patient clinics at the Regional One Health (once a week) and at the VAMC (once a week), where an average of 1-2 patients are evaluated by the students at each clinic. In addition, there are about 12 lectures on major endocrine topics/month (three times weekly), walking rounds, two conferences weekly, weekly Interhospital Rounds, Journal Club, and Lipid Conference conducted by the faculty and/or fellows. At the end of this elective, the students should be familiar with most of the common endocrine problems and particularly cognizant in the management of patients with diabetes. No weekend or evening call.

### **MED1-4073/F AMBULATORY ENDOCRINOLOGY**

Course Coordinators: Dr. S. Solomon and staff

Location: VAMC

Size: 2

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective is designed to provide students exposure to ambulatory patients with a broad spectrum of endocrinopathies. The daily schedule will include VA conference on Tuesday, 8:15 to 9:15 a.m. Interhospital rounds on Thursday, 11 to 12, UT conferences on Thursday, 8:15 to 9:15 a.m., and tutorials 8 to 9 a.m. on Monday, Wednesday and Friday. From 9 a.m. to noon daily they will work

with the course faculty in seeing their private patients or attend outpatient Regional One Health Plex and VA clinics. The experiences will include problems in growth and development, diabetes, and lipids mineral metabolism, and reproductive endocrinology, thyroid disorders, hypothalamic pituitary disorders, and diseases of adrenal glands.

### **MED1-4080/F PRECEPTORSHIP IN GASTROENTEROLOGY**

Course Coordinator: Dr. Colin Howden

Location: UT Teaching Hospitals

Size: 2

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective is designed to provide the student with a broad exposure to the subspecialty of general clinical gastroenterology (including hepatology). About 40% of the student's time will be spent in the out-patient setting, where he/she will learn how to diagnose and manage a variety of common gastrointestinal complaints seen in the ambulatory patient. About 40% of the elective will be spent on an in-patient service at one of the UT Teaching Hospitals, where the educational emphasis will be on general consultative gastroenterology and in the management of acute GI disorders. The remaining time will be spent in the endoscopy suite, where the student will be exposed to the technical aspects of gastroenterology, and in didactic teaching sessions, which will include pathology, pathophysiology, and clinical conferences. During the month, students will work closely with GI fellows and attendings, being exposed to the expertise of many different UT gastroenterology and hepatology faculty members during the course of the elective. Our goal is to provide the student with an appreciation for the breadth of the subspecialty of gastroenterology and an understanding of how to rationally approach the patient with a gastrointestinal complaint.

### **MED1-4102/F PRECEPTORSHIP IN HEMATOLOGY/ONCOLOGY**

Course Coordinator: Dr. Michael Martin

Location: Methodist Inpatient

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The preceptorship at Methodist Hospital will aid the student in gaining expertise in the examination, diagnosis and management of patients with hematological and oncological disorders. The student at Methodist Hospital will participate in daily rounds with an attending physician, a medical resident and two medical interns. In addition, the student will have some patient care responsibilities depending on his or her level of clinical training and expertise. The student will participate directly in patient care, learning not only current hematological and oncological techniques of diagnosis and treatment but general principles of practice of internal medicine. In addition, the student will review peripheral blood and bone marrow specimens. Each student should become familiar with the various procedures and practices consistent with quality patient care in the Division of Hematology/Oncology. Students should also attend general medicine conferences, hematology conferences, and medicine journal club.

### **MED1-4103/F CLINICAL HEMATOLOGY-ONCOLOGY**

Course Coordinator: Dr. Lee Schwartzberg

Location: West Clinic Outpatient

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The student will acquire skill and efficiency in history taking and physical examination of a patient with hematologic or neoplastic disorder. Formulate a problem list. Apply knowledge and facts acquired in the biological sciences to a clinical problem in hematology or oncology. Learn the approach to staging and prognostication in cancer. The student will have some responsibility for 10 (2 per day) patients. Students will participate in evaluation and management of outpatients in an office setting with ample opportunity for closely supervised participation in direct patient care with an attending physician. There will be opportunity for reviewing blood smears, radiographic studies and discussion about candidacy of patients for participation in clinical research studies. Students will work closely with an attending physician who will be physically present in the clinic and will see all patients with the student. There are at least 5 weekly conferences varying from didactic sessions to disease-specific multi-disciplinary tumor boards as well as journal clubs.

### **MED1-4110/F PRECEPTORSHIP IN INFECTIOUS DISEASES**

Course Coordinator: Dr. James Dale

Location: Regional One Health/VAMC

Size: 2

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.50 or 7 credit hours. Note: This elective can be half-time (MED1-4110/H)**

During the preceptorship, students will gain practical experience in the diagnosis and management of infectious diseases under the supervision of attending physicians, postdoctoral fellows and medicine residents. They will participate in all rounds and seminars of the section and perform histories and physical examinations on selected patients on the consultation service. Students will be directed to pertinent literature regarding patients being cared for on the service.

### **MED1-4111/F PRECEPTORSHIP IN INFECTIOUS DISEASES**

Course Coordinator: Dr. Michael Gelfand

Location: Methodist University

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 or 7 credit hours. Note: This elective can be half-time (MED1-4111/H)**



This elective is designed to familiarize students with the evaluation and management of adult infectious diseases, and antimicrobials and their clinical use. Elements of clinical microbiology and epidemiology (especially hospital epidemiology) will be incorporated in the preceptorship, including review of stains, cultures, susceptibility, data, etc. The student will be responsible for initial evaluation of all patients. They will follow the patients daily, formulate plans of management and, under the supervision of a resident and attending, will write orders and notes on all infectious disease service patients. They will review stains, cultures, etc. daily on all patients.

### **MED1-4119/F FELLOWSHIP IN INFECTIOUS DISEASES**

Course Coordinator: Dr. James Dale

Location: VAMC

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

***Note: 1 to 3 Blocks***

By special arrangement individual students can work as research trainees under the supervision of a faculty member of the infectious diseases division. Generally, student projects will be closely related to the studies pursued concurrently in the preceptor's laboratory. A report of accomplishments may be required at the end of the elective.

### **MED1-4120/F PRECEPTORSHIP IN NEPHROLOGY**

Course Coordinator: Dr. Barry Wall

Location: Regional One Health and MUH

Size: 2

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The student will be exposed to a wide variety of renal diseases of varying stages of severity. Individual patients will be assigned for each student to follow during the rotation. Experience in managing patients with fluid and electrolyte problems, acid-base problems and various aspects of hypertension also will be provided. The student will have the opportunity to observe patients receiving hemodialysis, peritoneal dialysis and who have had renal transplantation. Daily conferences and rounds will be conducted by the nephrology staff. Regular conferences include journal club, biopsy conference, physiology seminar and general nephrology conferences (case orientation). Outpatient experience will include weekly renal clinic.

### **MED1-4121/F PRECEPTORSHIP IN NEPHROLOGY**

Course Coordinator: Dr. Barry Wall

Location: VAMC

Size: 2

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

*See MED1-4120/F for course description*

### **MED1-4122/F PRECEPTORSHIP IN NEPHROLOGY**

Course Coordinator: Dr. Bobby Kelley

Location: Baptist East

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

*See MED1-4120/F for course description*

### **MED1-4123/F ELECTIVE IN FLUID, ELECTROLYTE, AND ACID-BASE MANAGEMENT**

Course Coordinator: Dr. Barry Wall

Location: Nephrology Section VAMC

Size: 2

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

Students will see patients with fluid, electrolyte, and/or acid-base problems with an attending nephrologist who will review and discuss the pathophysiology of the disorders encountered on a clinical basis. Participation in ongoing research studies in fluid and electrolyte problems is optional but suggested. Students will be expected to do a complete medical work-up (history, physical examination and clinical assessment) prior to presentation of each case to the attending nephrologist. These exercises will be complimented by didactic sessions in which the major fluid, electrolyte, and acid-base disturbances will be reviewed by faculty in the Nephrology Section. Each student will be assigned a specific topic for presentation in a seminar session at the end of the elective. Guidance in the preparation of seminar topics will be provided by a faculty member. Presentations will be informal, but must cover the assigned topics in a comprehensive manner. This elective will extend the student knowledge in the pathophysiology of fluid, electrolyte, and acid-base disorders and gain additional experience in the evaluation and management of complex clinical problems.

### **MED1-4129/F FELLOWSHIP IN NEPHROLOGY**

Course Coordinator: TBA

Location: 920 Madison, Suite 200. 448-5764

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

**Note: 3 Blocks**

**Research rotation arranged with course director**

### **MED1-4130/F PRECEPTORSHIP IN PULMONARY MEDICINE**

Course Coordinator: Dr. Amado Freire

Location: Regional One Health

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective emphasizes applied respiratory physiology and concentrates on exposure to pulmonary function testing and principles of respiratory therapy and respiratory critical care. The student will have an opportunity to correlate the history and physical findings in chronic lung disease with the pathophysiology as revealed by pulmonary physiologic studies.

### **MED1-4132/F PRECEPTORSHIP IN PULMONARY MEDICINE**

Course Coordinator: Dr. Muhammad K. Zaman

Location: VAMC

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective emphasizes applied respiratory physiology and concentrates on exposure to pulmonary function testing and principles of respiratory therapy and respiratory critical care. The student will have an opportunity to correlate the history and physical findings in chronic lung disease with the pathophysiology as revealed by pulmonary physiologic studies. The general Rheumatology preceptorship provides in-depth clinical experience in Rheumatology. This is supplemented by attendance at all teaching rounds and conferences which include: seminars, consultation rounds, primer reviews and clinical and radiology conferences. An opportunity for in-depth study of a clinical and/or laboratory problem is also available under the direct supervision of one of the rheumatology faculty according to the interests of the student and the faculty preceptor (connective tissue, biochemistry, immunology and therapeutic trials). The student is responsible for the evaluation and care of inpatient consultations, and the care of out-patients with arthritis and connective tissue diseases.

### **MED1-4140/F PRECEPTORSHIP IN RHEUMATOLOGY**

Course Coordinators: Dr. Debendra Pattanaik

Location: Regional One Health/VAMC/UTMG

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The general Rheumatology preceptorship provides in-depth clinical experience in Rheumatology. The student will attend all teaching rounds and conferences including primer reviews and radiology conferences. Interested students may student a clinical and/or laboratory problem under the direct supervision of one of the rheumatology faculty. The student is responsible for the evaluation and care of inpatient consultations, and the care of outpatients with arthritis and connective tissue diseases. The student will learn how to approach examinations, diagnosis and treatment of patients with rheumatic diseases. Students will be trained in joint aspiration and injection by the staff or rheumatology fellow. The focus is on ambulatory care of common rheumatic problems.

### **MED1-4142/F RHEUMATOLOGY**

Course Coordinator: Dr. Charles R. Arkin

Location: Rheumatology & Osteoporosis Center of Memphis, PC

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective will teach the student how to approach examinations, diagnosis and treatment of patients with rheumatic diseases and to teach evaluation of X-rays on rheumatic patients. The student will be responsible for seeing patients in the office, performing a limited number of histories and physicals. The student will write appropriate progress notes and formulate an assessment based upon information gathered. Students will be trained in and/or observe joint aspirations and injections by the staff.

### **MED1-4150/H PRECEPTORSHIP IN REHABILITATION MEDICINE**

Course Coordinator: Dr. Robert W. Greene

Location: Varies

Size: 2

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 credit hours. Note:**

This elective is designed to provide the student with a knowledge of the evaluation and treatment services provided by the Division of Rehabilitation Medicine and their role in total management of both inpatients and outpatients. Students will work directly under the supervision of physicians of the Division of Rehabilitation Medicine and will learn to perform functional evaluations and design rehabilitation treatment programs for patients referred to the Division. Students will also learn the

indications and uses for Physical and Occupational Therapy in a large variety of conditions. The student will spend time at the Regional One Health, Campbell Clinic, VA Hospital, HealthSouth, and Methodist Hospital. Each of these rehabilitation programs has a somewhat different emphasis due to the nature of the patient referral load. The student will also be provided an opportunity to participate in the ongoing research programs of the Division of Rehabilitation Medicine. This elective will be of great value to students who are considering a career in those specialties which utilize Rehabilitation Medicine services extensively. These include the specialties of orthopaedic surgery, neurosurgery, neurology, rheumatology, and family practice.

### **MED9-4000/F SERIES - VISITING ELECTIVE IN A MEDICINE SUBSPECIALTY**

Course Coordinator: Department Chair

**These are face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The following course numbers are to be used by UTHSC students only for scheduling a visiting elective at another medical school for which credit is granted at UTHSC.

EME9-4010/F Emergency-MED

MED9-4010/F General Medicine

MED9-4011/F Internal Medicine

MED9-4020/F Dermatology

MED9-4028/F Epidemiology

MED9-4030/F Emergency Medicine

MED9-4035/F Critical Care Medicine

MED9-4040/F Ambulatory Medicine

MED9-4050/F Allergy-Immunology

MED9-4060/F Cardiology

MED9-4070/F Endocrinology

MED9-4080/F Gastroenterology

MED9-4090/F Geriatrics

MED9-4100/F Hematology/Oncology

MED9-4110/F Infectious Diseases

MED9-4120/F Nephrology

MED9-4130/F Pulmonary

MED9-4140/F Rheumatology

MED9-4150/F Rehabilitation Medicine

## DEPARTMENT OF NEUROLOGY

### NEU1-3001/F NEUROLOGY REQUIRED CLERKSHIP-MEMPHIS/CHATTANOOGA/KNOXVILLE

Course Coordinator: Dr. Mervat N. Wahba

Size: 14

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

"This four-week (one block) required clerkship is only offered in Memphis and in selected months in Chattanooga and Knoxville. Students are assigned for Adult or Pediatric Neurology to one of four primary locations that have Neurology Residents in Memphis: The Regional Medical Center, the Veterans Administration Medical Center, the Methodist University Hospital, or Le Bonheur Children's Hospital. In Chattanooga the students are assigned to Erlanger Medical Center and in Knoxville the students are assigned to UT Medical Center.

Students who are particularly interested in primary care or pediatrics/pediatric subspecialties should consider requesting the rotation at LeBonheur. Four students only, who are particularly interested in primary care or pediatrics/pediatric subspecialties, per block, may elect to be assigned to the Pediatric Neurology-based rotation at the LeBonheur Children's Hospital. This must be requested at least one month in advance

Since the LeBonheur site is limited to four students, who are anticipating going into pediatrics or pediatric subspecialties, we ask that students, who will be working with adult patients, please choose one of the other three sites. All students will get some training in pediatric neurology when they do their pediatric rotation.

Irrespective of their assigned location, all students meet several times per week in the Neurology Department Library in order to attend formal teaching rounds in a case-discussion or team-based learning format. Attendance at these lectures, Grand Rounds and other scheduled teaching conferences is mandatory. Students are exposed to patients with neurological disorders in outpatient/ambulatory, inpatient, and emergency room settings. Students work closely with the Neurology staff physician (attending) and the resident physicians. Students also participate in all of the Neurology Department's clinical conferences.

Scheduled absences from this clerkship should be avoided whenever possible. For students who must be absent, please familiarize yourself with the FAQs and the Student Handbook, especially the pages regarding absences and bonus exam. These can be found on Bb under the Neurology Clerkship.

The objectives of this clerkship are to:

1. Develop skills in neurological history taking and in the performance and interpretation of the neurological examination.
2. Apply neuroanatomy principles to localize the lesion within the nervous system

3. Recognize common neurological emergencies and initiate their treatment
4. Understand Pathophysiology and management of common neurological disorders.

For further information regarding this clerkship policies and procedures, please go to the Bb site for the Neurology Clerkship, <http://courses.uthsc.edu/>

### **NEU1-3010/F JI Any – Senior Clerkship in Neurology**

Course Coordinator: Dr. Mervat Wahba

Size: 3

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The student will participate as an “Acting Intern” on the Neurology service. All students must first satisfactorily complete their core rotations in internal medicine and in neurology. The clerkship lasts 4 weeks and may be performed at the Regional Medical Center, the Veterans Administration Medical Center, Methodist University Hospital or the Methodist-LeBonheur Children’s Hospital. Acting student interns will be given the same scope of responsibilities as a PGY-1 resident.

The objectives of the rotation are:

1. To improve skills in obtaining an accurate neurological history
2. To improve skills in the neurological examination
3. To improve anatomical localization of the lesion
4. To improve the pathophysiological analysis of the lesion
5. To gain practical experience in the diagnosis and management of common neurological disorders
6. To become aware of the core competencies in neurology and how they will be used in the student evaluation

Responsibilities will include inpatients and outpatients and limited neurology night call (every fourth night until 10 PM) and weekend call (rounding on either Saturday or Sunday morning but not both). The student will follow between 3 and 5 inpatients at any given time and will be responsible for the H&P, daily orders, daily notes, on-service notes, transfer and off-service notes, and discharge summaries and write prescriptions for your patients upon discharge. The student is expected to read about his or her patients (neurology textbooks and journal articles), discuss the case daily with the chief resident and present to the attending. The student will also see 2 or 3 outpatients in a weekly clinic, present each case to the attending and write the note that the attending reviews and co-signs. Attendance at

neurology conferences is required except when dealing with a neurological emergency. Vacation cannot be taken during the rotation. The student will receive informal feedback from the attending after two weeks and formal evaluation at the completion of the clerkship with an emphasis on the neurology core competencies. A copy of the core competencies evaluation form will be provided at orientation along with other materials.

### **NEU1-4012/F NEUROMUSCULAR DISEASES**

Course Coordinator: Dr. Tulio Bertorini

Location: UT/Meth/MDA Clinic

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This will be a block elective that involves a preceptorship and tutoring in the study of diseases of the motor neuron, peripheral nerve, and muscle. Students will work closely with Dr. Bertorini in neuromuscular clinics, workup and therapy of neurology inpatients and consultations, performance of electromyography and nerve conduction studies, and neuropathological-histochemical evaluation of neuromuscular disorders.

### **NEU1-4013/F CLINICAL NEUROLOGY - CONSULTATION SERVICE**

Course Coordinator: Dr. Michael Jacewicz

Location: VA Medical Center

Size: 2

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course will supplement core training in neurology with exposure to acute neurological conditions on the consultation service. The student will have responsibility for 4-6 patients per week. Responsibility will be graduated and depend on the urgency and complexity of the consultation. Whenever feasible, students will see consults first. They will present the patients to their resident and/or attending on the same day. Students will interact with neuroradiologists, neurosurgeons, and other subspecialists as needed to implement their plan (under the close supervision of the consult resident and attending). They will write the initial consult note and follow-up notes as clinically indicated. The resident or attending will read and cosign all notes. The attending will write a separate consultation note as well. The resident will see all student consults promptly (on the same day as the student). The attending will see the patient within 24 hours of the consultation request. Students will discuss their patients with the resident and attending on a daily basis except weekends. The resident or attending will read and cosign all student notes. The student will supplement his acute neurology experience by attending Neurology clinic once or twice per week. He or she will see 1-3 patients and present these to the resident and/or the attending. All patients will receive separate resident and/or attending notes for these patients. The student will attend resident teaching rounds (held daily during the week), Neurology Grand Rounds, and various other departmental and related seminars (optional). Night call is optional. If the student chooses to take night call, night call will end at midnight. Optional weekend call would start at 8AM and last no later than midnight.



**NEU9-4010/F VISITING ELECTIVE IN NEUROLOGY**

Course Coordinator: Department Chair

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course number is used by UTHSC students only for scheduling a visiting elective at another medical school for which credit is granted at UTHSC.

## DEPARTMENT OF NEUROSURGERY

### NSG1-3010/F JI ANY - Neurosurgery

Course Coordinator: L. Madison Michael II, MD

Contact Information: [welliot3@uthsc.edu](mailto:welliot3@uthsc.edu); office (901) 448-6375

Location: Methodist University Hospital, Regional One Health, Le Bonheur Children's Hospital

Size: Unlimited

Overnight Call: 2

Weekend Work: Yes (Usually a 1-2 hour event)

Flexibility:

This rotation can be scheduled for two-weeks as an elective (IDE1-4001/H)

Time off for Interviews: Negotiable thirty days prior to start of elective

Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days prior to start of elective

Blocks Offered: All

Prerequisites: None

Pre-reading: Greenberg Handbook of Neurosurgery

Link: <https://www.uthsc.edu/neurosurgery/>

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective will involve a four-week exposure to the neurosurgical patient and all aspects of clinical care and research, including pre-operative evaluation, indications for surgical and non-surgical management, discussion of neurosurgery techniques, management of neurosurgical and neurological emergencies, and management of post-operative problems. The course will be combined with Neuropathology and Neuroradiology to ensure a broad basic understanding of the neurosurgical approach to disease. The rotation will refine the student's ability to perform pertinent history and neurological examinations, interpret neurodiagnostic studies, produce a differential diagnosis, and formulate a treatment plan. Opportunities for student participation in operations are abundant.

The student will be expected to attend regular educational conferences and seminars held during this time. Faculty members are available to mentor students in basic short-term neurosurgical research projects within the Department.

### **NSG1-4010/F NEUROSURGERY**

Course Coordinator: Dr. L. Madison Michael II

Contact Information: [welliot3@uthsc.edu](mailto:welliot3@uthsc.edu); office (901) 448-6375

Location: Methodist University Hospital, Regional One Health, LeBonheur Children's Hospital

Size: Unlimited

Overnight Call: 2

Weekend Work: Yes (Usually a 1-2 hour event)

Flexibility:

- This rotation can be scheduled for two-weeks as an elective (IDE1-4001/H)
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not negotiable

Deadline for Cancellation: Thirty days prior to start of elective

Block Offered: All

Prerequisites: None

Pre-reading: Greenberg Handbook of Neurosurgery

Link: <https://www.uthsc.edu/neurosurgery/>

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective will involve a four-week exposure to the neurosurgical patient and all aspects of clinical care and research, including pre-operative evaluation, indications for surgical and non-surgical management, discussion of neurosurgery techniques, management of neurosurgical and neurological emergencies, and management of post-operative problems. The course will be combined with Neuropathology and Neuroradiology to ensure a broad basic understanding of the neurosurgical approach to disease. The rotation will refine the student's ability to perform pertinent history and neurological examinations, interpret neurodiagnostic studies, produce a differential diagnosis, and formulate a treatment plan. Opportunities for student participation in operations are abundant.

The student will be expected to attend regular educational conferences and seminars held during this time. Faculty members are available to mentor students in basic short-term neurosurgical research projects within the Department.

### **NSG9-4010/F VISITING ELECTIVE IN NEUROSURGERY**

Course Coordinator: Department Chair

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course number is used by UTHSC students only for scheduling a visiting elective at another medical school for which credit is granted at UTHSC.

## **DEPARTMENT OF OBSTETRICS AND GYNECOLOGY**

### **OBG1-3001/F OBSTETRICS AND GYNECOLOGY CLERKSHIP**

Clerkship Director: Roberto Levi-D'Ancona, M.D.

Contact Information: [leviro@uthsc.edu](mailto:leviro@uthsc.edu)

Course Coordinator: Martha Velez

Contact Information: [mvelez@uthsc.edu](mailto:mvelez@uthsc.edu)

Location: Regional One Health Medical Center - Rout Center/Birthplace

Orientation location: Department of Obstetrics and Gynecology, 853 Jefferson Ave, Conference Room E105A

Size: 24

Overnight Call: Yes

Weekend Work: Yes

Flexibility:

- Half Block: No
- Time off to attend a conference or meeting: 30-day notice required
- Off cycle start and stop: No

Deadline for Cancellation: 30 days before the start of the Clerkship

Blocks offered: 1/2, 3/4, 5/6, 7/8, 9/10, 11/12

Prerequisites: Step 1

Link: Clerkship information and Schedules can be accessed on CORE and on the Department webpage: <http://www.uthsc.edu/obgyn/clerkship>

**This is a face-to-face clinical rotation receiving 7 credit hours**

The Ob/Gyn Clerkship is 4 weeks of Obstetrics, 2 weeks of Gynecology and 2 weeks of Gynecologic Oncology. It includes lectures, problem-based cases, conferences, and grand rounds. Obstetrics consists of labor and delivery at the Rout Center/Birthplace of the Regional One Health Medical Center, high-risk obstetrics, routine obstetrics, and clinics at the Regional One Health Outpatient Center, the Center for High Risk Pregnancies, and the Health Loop. Ob Call is 12 hours: 1 week of day call, 1 week of night call, 1 Saturday day or night call, and one Sunday day or night call. Gynecology at Baptist Memorial Hospital for Women is 1 week of surgery and rounds and 1 week of clinic at the Regional One Health Outpatient Center and the Memphis Health Center. Gynecology (Gyn-B) is 1 week of surgery and rounds at Methodist Germantown Hospital and 1 week of surgery, rounds and clinic at the Regional One Health Medical Center and Regional One Health Outpatient Center. Gynecologic Oncology is at Baptist Memorial Hospital for Women or Methodist University Hospital and includes surgery, rounds, and clinic at the West Cancer Center.

### **OBG1-3010/F JI ANY - SENIOR CLERKSHIP IN OBSTETRICS**

Course Coordinator: Roberto Levi-D'Ancona, M.D.

Contact Information: [leviro@uthsc.edu](mailto:leviro@uthsc.edu)

Approval Authorization required: This elective cannot be scheduled unless approved by Dr. Levi-D'Ancona

Location: Regional One Health Outpatient Clinics, Rout Center/Birthplace

Orientation location: Ob/Gyn Administrative Office, 853 Jefferson, Room E102

Size: 1

Overnight Call: Optional

Weekend Work: Optional

Flexibility:

- Half Block: No
- Time off for Interviews: 30-day notice required
- Off cycle start and stop: No

Deadline for Cancellation: 30 days before the start of the Elective

Blocks offered: 1, 2, 3, 4, 7, 8, 9, 10, 11, 12

Prerequisites: Core Obstetrics and Gynecology Clerkship

Link: Course syllabus - <http://www.uthsc.edu/obgyn/clerkship/electives.php>

**This is a face-to-face clinical rotation receiving 7 credit hours**

This 4-week elective is designed for students interested in an in-depth experience in high-risk obstetrics. Students will work with Ob/Gyn Faculty, MFM faculty, MFM Fellows, and Ob/Gyn Residents in the high-risk specialty clinics, antepartum testing and obstetrical ultrasound, as well as Labor and Delivery and Evaluations. Students will be supervised in spontaneous vaginal deliveries, forceps deliveries, and obstetrical surgical procedures. Students will attend daily rounds, Didactics (Tuesday AM), Congenital Anomaly Conferences (Wednesday AM) and monthly Grand Rounds (Tuesday AM).

### **OBG1-3020/F JI ANY - SENIOR CLERKSHIP IN GYNECOLOGY**

Course Coordinator: Roberto Levi-D'Ancona, M.D.

Contact Information: [leviro@uthsc.edu](mailto:leviro@uthsc.edu)

Approval Authorization required: This elective cannot be scheduled unless approved by Dr. Levi-D'Ancona

Location: Regional One Health Clinics and Surgery

Orientation location: Ob/Gyn Administrative Office, 853 Jefferson, Room E102

Size: 1

Overnight Call: No

Weekend Work: No

Flexibility:

- Half Block: No
- Time off for Interviews: 30-day notice required
- Off cycle start and stop: No

Deadline for Cancellation: 30 days before the start of the Elective

Blocks offered: 1, 2, 3, 4, 7, 8, 9, 10, 11, 12

Prerequisites: Core Obstetrics and Gynecology Clerkship

Link: Course syllabus - <http://www.uthsc.edu/obgyn/clerkship/electives.php>

**This is a face to face clinical rotation receiving 7 credit hours**

This 4-week elective will allow the student to become more familiar with Gynecologic outpatient care involving issues such as contraception, infections, and colposcopy. The student will be actively involved in surgery under the supervision of Ob/Gyn faculty and Residents on the Gyn service. Students will attend all assigned rounds, conferences and Didactics (Tuesday AM) and monthly Grand Rounds (Tuesday AM).

### **OBG1-4010/F CLINICAL OB/GYN FOR THE GENERALIST**

Course Coordinator: Roberto Levi-D'Ancona, M.D.

Contact Information: [leviro@uthsc.edu](mailto:leviro@uthsc.edu)

Approval Authorization required: This elective is only available to UTHSC students not specializing in Ob/Gyn. This elective cannot be scheduled unless approved by Dr. Levi-D'Ancona

Location: Regional One Health Outpatient Clinics, Rout Center/Birthplace

Orientation location: Ob/Gyn Administrative Office, 853 Jefferson, Room E102

Size: 1

Overnight Call: Optional

Weekend Work: Optional

Flexibility:

- Half Block: No
- Time off for Interviews: 30-day notice required
- Off cycle start and stop: No

Deadline for Cancellation: 30 days before the start of the Elective

Blocks offered: 1, 2, 3, 4, 7, 8, 9, 10, 11, 12

Prerequisites: Core Obstetrics and Gynecology Clerkship

Link: Course syllabus - <http://www.uthsc.edu/obgyn/clerkship/electives.php>

**This is a face-to-face clinical rotation receiving 7 credit hours**

This elective provides students with an in-depth view of the obstetrical and gynecological subspecialties, as well as the opportunity to work with a private practitioner. This elective can be customized to the student's needs, but in general consists of 4 weeks divided into different clinical settings, which may include time spent with a private general Ob/Gyn practitioner, reproductive endocrinologist, gynecological oncologist, or pediatric gynecologist. Students will attend all assigned rounds, conferences and Didactics (Tuesday AM) and monthly Grand Rounds (Tuesday AM).

### **OBG9-4010/F VISITING ELECTIVE IN OBSTETRICS/GYNECOLOGY**

Course Contact: Roberto Levi-D'Ancona, M.D.

**Note:** Only available to UTHSC students

**This is a face-to-face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course number is for UTHSC students scheduling a visiting elective at another medical school.

## **DEPARTMENT OF OPHTHALMOLOGY**

### **OPH1-4010/F GENERAL OPHTHALMOLOGY**

**Course Coordinator:** Dr. William R. Morris

**Contact Information:** (901)448-5883; [wmorris@uthsc.edu](mailto:wmorris@uthsc.edu); Secretary to be added

**Approval Authorization Required:** None required except for off cycle start

**Locations:** Hamilton Eye Institute, LeBonheur, Methodist, Regional One, UCH - Cordova

**Orientation Locations:** Hamilton Eye Institute, Morning Report, Hamilton Eye Institute, Freeman Auditorium, Third Floor, at 7:00 AM, First Monday of Block

**Size:** 4 Maximum

**Overnight Call:** Assigned to take Night Call with Second Year Ophthalmology Resident

**Weekend Work:** Assigned to take Night Call with Second Year Ophthalmology Resident

**Flexibility:**

- Time Off For Interviews: Negotiable
- Off Cycle Start and Stop: Negotiable

**Deadline For Cancellation:** Thirty days before start of elective

**Blocks Offered:** 2, 3, 4, 5, 7, 8, 9, 10, and 11

**Prerequisites:** Third year medical student or above

**Pre-Reading:** None required, but it would be helpful to read a general ophthalmology text

**Link:** None-Digital media will be provide to the student at the start of the elective

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The student will be assigned to general and subspecialty ophthalmology rotations at The Hamilton Eye Institute, the Regional One Health/Methodist Clinics, and University Clinical Health (UCH) offices. The student is expected to become skilled in ocular examination, to assist in the evaluation of outpatients, to participate in rounds, to observe surgery, and to attend all resident conferences and lectures. Interactive media supplied to the student will augment the didactic and clinic attendance. During the elective, the student will gain experience in the medical and surgical management of diseases of the eye and its adnexa.

### **OPH9-4010/F VISITING ELECTIVE IN OPHTHALMOLOGY**

**Course Coordinator:** Department Chair

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course number is used by UTHSC students only for scheduling a visiting elective at another medical school for which credit is granted at UTHSC.



## DEPARTMENT OF ORTHOPAEDICS

### SUR1-3002/F REQUIRED SURGERY SPECIALTIES

Course Coordinator: James Beaty, MD

Location: Varies

Size: 16

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

**Note: This clerkship exposes the student to the Surgery Specialties of Orthopaedics, Ophthalmology, Otolaryngology and Urology.**

**NOT AVAILABLE IN BLOCKS 5, 6, AND 12**

### ORS1-4010/F GENERAL ORTHOPAEDICS

Course Coordinator: James Beaty, MD

Location: Varies

Size: 10

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective will give the student a general overview of the specialty of Orthopaedic Surgery. It will be an intensive exposure to Campbell Clinic, the VA Hospital, Regional One Health, and/or the Baptist Hospital. The elective includes various conferences and meetings within orthopaedics including adult and children's fractures and other injuries, reconstructive surgery and hand surgery. The elective is designed for students who are considering careers in Orthopaedic Surgery, other surgery specialties, Family Medicine, or Pediatrics.

### ORS1-4020/F CHILDREN'S ORTHOPAEDICS

Course Coordinator: James Beaty, MD

Location: LeBonheur

Size: 4

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective is designed for those students who are interested in Pediatrics, Family Medicine, and Orthopaedic Surgery. It will introduce the student to problems of children's orthopaedics including such areas as trauma, congenital anomalies, cerebral palsy and other neuromuscular disorders, scoliosis, congenital and acquired amputations and common developmental deformities of the lower

extremities in children. The student will be assigned to LeBonheur Hospital on the Tennessee or Mississippi Children's Service and will participate in the clinics, surgery and conferences of the service.

### **ORS1-4030/F ORTHOPAEDIC PRECEPTORSHIP/ORTHOPAEDIC ANATOMY**

Course Coordinator: James Beaty, MD

Location: Varies

Size: 6

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

**Note: Prerequisite: Check with Becky Adams before scheduling (901) 448-5880**

This elective is designed to provide the student a relationship with an orthopaedic resident and to give the student the opportunity to study orthopaedic gross anatomy. The student will be expected to spend a portion of their week in the anatomy department studying extremity anatomy and carrying out anatomical dissection under supervision of the resident.

### **ORS9-4010/F VISITING ELECTIVE IN ORTHOPAEDIC SURGERY**

Course Coordinator: James Beaty, MD

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course number is to be used by UTHSC students only for scheduling a visiting elective at another medical school for which credit is granted at UTHSC.

## DEPARTMENT OF OTOLARYNGOLOGY AND MAXILLOFACIAL SURGERY

### OTO1-3010/F JI Any - PEDIATRIC OTOLARYNGOLOGY

Course Coordinators: Drs. Jerome W. Thompson and Jennifer McLevy

Contact Information: 901-448-5886

Approval Authorization required: Must have prior approval from Chair

Location: LeBonheur and Methodist University Hospital

Orientation location: Orthopaedics Administrative Office, 1211 Union Avenue, 5<sup>th</sup> Floor

Size: 3

Overnight call: 1

Weekend Work: 1

Flexibility:

- May be taken as a two-week half elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: all

Prerequisites: General Surgery

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This clerkship objective is to expose the 4<sup>th</sup> year student to intern level responsibility. Requires exposure to clinics, wards and emergency room care of pediatric otolaryngology head and neck patients. The student will have some responsibility for 20 patients per week. The student will perform preliminary evaluations of clinic patients. Perform routine intern level duties on ward patients and emergency room patients. To assist in surgery at an intern level to have an entry level of knowledge of basic pediatric medical and ENT diseases and care. The level of supervision of student by faculty residents will be elbow to elbow with senior resident and attending. The student will need to attend 3 Grand Rounds per week, didactic and M&M, patient care and tumor planning conferences. Call schedule duty will be easy 4<sup>th</sup> night.

### OTO1-4010/F OTOLARYNGOLOGY-HEAD AND NECK SURGERY

Course Coordinator: Dr. Jerry Thompson

Location: VAH/Regional One Health/LBCH/Meth/Baptist/St. Jude

Contact Information: 901-448-5886

Approval Authorization required: Must have prior approval from Chair

Location: LeBonheur and Methodist University Hospital

Orientation location: Orthopaedics Administrative Office, 1211 Union Avenue, 5<sup>th</sup> Floor

Size: 4

Overnight call: 1

Weekend Work: 1

Flexibility:

- May be taken as a two-week half elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: all

Prerequisites: General Surgery

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

Note: Need to contact Dr. Rosemary Stocks before rotation begins via email to Ms. Juanita Keys [jkeys@uthsce.du](mailto:jkeys@uthsce.du)

This course is designed to acquaint the student with the clinical disciplines of otolaryngology - head and neck surgery. The student will gain experience with patients suffering from diseases of the ear, nose, sinuses, pharynx and larynx including the diagnosis and management of cancer in the head and neck area. Inpatient and outpatient diagnostic and management problems and routine care will be used to sharpen their skills. The history and physical examination will be emphasized. The course will be conducted at Regional One Health, Methodist Hospital, Baptist Memorial Hospital, and VA Medical Center. Student choice of location is offered and assignment at the location depends on demand.

### **OTO1-4011/H HEAD AND NECK MEDICINE**

Course Coordinator: Dr. Jerry Thompson

Contact Information. 901-448-5886

Approval Authorization required: Must have prior approval from Chair

Location: LeBonheur and Methodist University Hospital

**Orientation location:** Orthopaedics Administrative Office, 1211 Union Avenue, 5<sup>th</sup> Floor

Location: VAH/Regional One Health/ LBCH/Meth/Baptist/St. Jude

Size: 6

Overnight call: 1

Weekend Work: 1

Flexibility:

- May be taken as a two-week half elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: all

Prerequisites: General Surgery

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 credit hours.**

**Note: Half-time only**

The elective is designed to review the essentials of a complete head and neck examination, to familiarize students with common disease processes in this area and to teach the medical management of common head and neck disorders as well as emergencies. Students will complete a reading list and study a visual aid set of slides from which test material will come. Typical procedures that students will perform will include Otoscopy, Weber & Rhine' tests, anterior rhinoscopy, indirect nasopharyngoscopy, local biopsies, simple mucosal and skin suturing, and cerumen disimpaction with operating microscope. They will also be exposed to audiology, speech pathology, electronystagmography, and facial nerve testing. Hours will be 7:30 am - 5:00 pm weekdays only for two weeks.

### **OTO9-4010/F VISITING ELECTIVE IN OTOLARYNGOLOGY**

Course Coordinator: Dr. Jerry Thompson

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course number is used by UTHSC students only for scheduling a visiting elective at another medical school for which credit is granted at UTHSC.

## DEPARTMENT OF PATHOLOGY

### PAT1-4010/F PATHOLOGY

Course Coordinator: TBD

Location: Regional One Health

Size: 2

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

**Note: Please contact Dr. Nadeem Zafar for approval to schedule elective.**

The student(s) will be involved with both the gross and microscopic aspects of surgical and/or autopsy pathology. Correlation of gross, histopathologic, and cytopathologic (when applicable) findings with the clinical presentation of the patient, as well as the pathophysiologic mechanisms involved, will be emphasized. The student(s), along with the residents and staff members, will participate in conferences, and suggested readings will be provided during the rotation.

### PAT1-4014/F Pathology-Advanced Elective

Course Coordinator: TBD

Location: Various

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course will provide additional hospital based pathology experience for students who have taken the basic elective. Primarily this elective is intended for students interested in a career in pathology. A senior resident mentor will be assigned to each student. There will be five to seven weekly conferences. The student will attend all required resident conference. Assist in autopsies, surgical dissections, fine needle aspirations, bone marrow collections and plasma pheresis. No call or weekend duty.

### PAT9-4010/F VISITING ELECTIVE IN PATHOLOGY

Course Coordinator: Department Chair (TBD)

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course number is used by UTHSC students only for scheduling a visiting elective at another medical school for which credit is granted at UTHSC.

## DEPARTMENT OF PEDIATRICS

### PED1-3001/F PEDIATRICS CLERKSHIP

Clerkship Director: Dr. Kristin Bettin

Contact Information: Jenn Wilson [pedsclerkship@uthsc.edu](mailto:pedsclerkship@uthsc.edu) 901-287-6321

Approval Authorization required: No

Location: Memphis

Orientation location: Faculty Office Building, 49 N. Dunlap, 1<sup>st</sup> floor, Education Classroom, 7am

Size: Maximum of 24 students

Overnight Call: One night per week on inpatient

Weekend Work: Yes, on inpatient

Flexibility:

- Half Block: Not available
- Time off for Interviews: No
- Off cycle start and stop: Not available

Deadline for Cancellation: Thirty days before start of rotation

Blocks offered: All

Prerequisites: Satisfactory completion of first two years and passing score of Step 1.

Pre-reading: None

Link: <http://www.uthsc.edu/pediatrics/clerkship>

**This is a face to face clinical rotation offered in the fall and spring and receiving 14 credit hours.**

Core Clerkship in Pediatrics (14 credit hours). This eight-week clerkship is required of all medical students. Four weeks of this experience are in an ambulatory setting that includes: general outpatient care, subspecialty clinic experience, St. Jude clinics, an NICU experience and primary care in a private office setting. The other four weeks are spent on inpatient service, providing direct "hands-on" patient management. In the eight-week case conference series students, discuss common pediatric issues with clinicians from all pediatric subspecialties. Regular rounds with faculty and house staff provide opportunities for interaction with all members of the health care team as well as active participation in managing the pediatric patient. Students also engage in computer simulated patient experiences through the CLIPP cases online. This clerkship is also offered in Chattanooga (PED3-3001/F) and Knoxville (PED2-3001/F).

### PED1-3010/F JI ANY - SENIOR CLERKSHIP IN PEDIATRICS

Course Director: Dr. Valerie Jameson

Contact Information: Pediatrics Chief Residents [pedschiefs@uthsc.edu](mailto:pedschiefs@uthsc.edu) 901-287-5920

Approval Authorization required: No

Location: LBCH

Orientation location: Children's Foundation Research Center, 50 N. Dunlap, 6<sup>th</sup> floor

Size: Maximum of 4 students

Overnight Call: Night float

Weekend Work: Yes

Flexibility:

- Half Block: Not available
- Time off for Interviews: No
- Off cycle start and stop: Not available

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: None

Link: [http://www.uthsc.edu/pediatrics/clerkship/jr\\_interns.php](http://www.uthsc.edu/pediatrics/clerkship/jr_interns.php)

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This clerkship offers increased responsibility in inpatient general pediatrics utilizing the facilities of the Le Bonheur Children's Hospital. The student will be assigned ward service and will be responsible, under the direct supervision of the faculty, for admitting patients, writing orders, and performing the procedures necessary to carry out a plan for the diagnostic evaluation and treatment of assigned patients. The student will be under the immediate supervision of the senior resident of the assigned service and directly responsible to one or more attending faculty. The student will attend daily ward (work) rounds with the residents, daily teaching rounds with the medical staff, special teaching rounds in which the patients assigned to the student may be presented, and all scheduled weekly conferences, including infectious disease, radiology, pathology, grand rounds and subspecialty conferences. Great emphasis is placed on the junior intern displaying all the desirable attributes of sound professionalism, including effective use of evidence based medicine, compassion, efficiency, love of learning and ease of integration into team care.

### **PED1-4010/F MEDICAL GENETICS**

Course Director: Dr. Chester Brown

Contact Information: [cbrow171@uthsc.edu](mailto:cbrow171@uthsc.edu) 901-287-6473

Approval Authorization required: Must have prior approval from Dr. Chester Brown

Location: Faculty Office Building, 49 N. Dunlap, Suite 141

Orientation location: Le Bonheur Children's Hospital, 848 Adams, Rm 8109, Roya Mostafavi, Genetic Counselor

Size: Maximum of 2 students

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off
- Time off for Interviews: Negotiable thirty days prior to start of full month elective
- Off cycle start and stop: Yes, but regular cycle is preferred

Deadline for Cancellation: Thirty days before start of elective



Blocks offered: Availability is limited in Blocks 10/11 due to National Meeting (end Block 10/early Block 11); check with Course Director at 901-287-6473.

Prerequisites: Core Pediatrics Clerkship

Pre-reading: Genetics Rotation Manual. Also, become familiar with omim.org and genetests.org databases.

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/peds-genetics-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 or 7 credit hours.**

This elective offers an introduction to genetic/genomic medicine in a clinical setting with emphasis on the evaluation of children and their families with a variety of rare conditions, referred for genetics consultation in hospital and clinic settings. The student will learn to properly construct a three generation pedigree; to recognize and understand important information from patient and family histories; to perform a detailed genetics physical examination and to make use of a variety of clinical genetics online tools to aid in the diagnosis of rare genetic disorders and the interpretation of DNA test results. These results are from analyses of single genes, DNA panels, chromosomal microarrays, whole exome sequencing and others. The appropriate use and possible misuse of genetic testing in a variety of clinical settings will be discussed. The clinical application of state-of-the-art, online genetic and genomic resources are heavily emphasized. This is a block rotation which includes exposure to and evaluation of a variety of patients with genetic disorders. Weekly educational patient conferences are held as well as other specialty conferences and teaching rounds with genetics emphasis. Principles and skills learned during the evaluation and counseling of families with genetic disorders, including the importance of recognizing non-verbal cues and the challenges of carrying out sophisticated diagnostic testing in a resource limited environment are applicable to all aspects of medicine in the exciting new era of precision/personalized medicine.

### **PED1-4011/F NEURODEVELOPMENTAL DISABILITIES**

Course Director: Dr. Toni Whitaker

Contact Information: [twhitak1@uthsc.edu](mailto:twhitak1@uthsc.edu) 901-448-6512

Approval Authorization required: Please get approval from Dr. Toni Whitaker at least 2 months prior before you sign up for this course.

Location: CDD

Orientation location: CDD, Room 203b

Size: Maximum of 1 student

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: Not available
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: Tailored to student's interests, contact Dr. Whitaker

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/peds-bcdd-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective in neurodevelopmental disabilities provides an intensive one-month interdisciplinary clinical exposure to the detection, diagnosis, evaluation, support and community integration of children with neurodevelopmental disabilities. These disabilities include autism spectrum disorders, intellectual disability, developmental language disorders, school learning and behavioral problems, cerebral palsy, and other disabilities. Under faculty supervision, students will evaluate new patients, serve as members of the interdisciplinary team and participate in team conferences. They will be actively involved in discussing with families the diagnoses, recommendations and management issues. The student will present a short seminar to pediatric faculty and residents. Opportunities to adapt the rotation to meet the student's particular goals are available and should be discussed with faculty. Specific focused projects will be considered.

### **PED1-4012/F PEDIATRIC NEUROLOGY**

Course Director: Dr. Amy McGregor

Contact Information: Denise Norman [denise.norman@lebonheur.org](mailto:denise.norman@lebonheur.org) 901-287-5208

Approval Authorization required: Must have prior approval from Dr. McGregor

Location: LBCH

Orientation location: Neurology clinic, lobby level of Le Bonheur Children's Hospital, Suite 400

Size: Maximum of 2 students

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off
- Time off for Interviews: Negotiable thirty days prior to start of full month elective
- Off cycle start and stop: Not available

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: None

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/peds-neurology-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective is designed to provide the student with a broad neurological experience in an inpatient and an outpatient rotation through the Le Bonheur Children's Hospital. The student will evaluate patients on the neurology service as well as those on other services requesting a neurology consultation. Clinical history, neurological examination, neurodiagnostic studies (EEG, CT Scan, MRI, EMG, Nerve Conduction) and

management will be stressed. Outpatients will be seen in the Neurology Clinic and the Muscular Dystrophy Association Clinic. The student will be required to attend Grand Rounds in Pediatrics, Neurology and Pediatric Neuroscience Conference rounds each week.

### **PED1-4019/F RESEARCH IN PEDIATRICS**

Course Director: Dr. Dennis Black

Contact Information: Terrie Swearingen [terrie.swearingen@lebonheur.org](mailto:terrie.swearingen@lebonheur.org) 901-287-5355

Approval Authorization required: Must have prior approval from Dr. Dennis Black and the Pediatric Department faculty member serving as mentor.

Location: Variable

Orientation location: Will be designated prior to start date of the rotation.

Size: Variable

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: Not available
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Available

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: Will be assigned by the faculty mentor for the rotation.

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/peds-research-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

A specially arranged elective in applied research with a preceptor in the Department of Pediatrics. The Course Director will assist students in identifying a faculty research mentor at least 3 months in advance of starting the elective. The student will meet with the mentor and arrange the content and exact date of the elective at this time.

### **PED1-4020/F PEDIATRIC DERMATOLOGY**

Course Director: Dr. Teresa Wright and Dr. TJ Patel

Contact Information: [twrigh43@uthsc.edu](mailto:twrigh43@uthsc.edu)

Approval Authorization required: No

Location: LBCH

Orientation location: Outpatient Center, 51 N. Dunlap, Suite 235

Size: Maximum of 1 student

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off
- Time off for Interviews: Negotiable thirty days prior to start of full month elective
- Off cycle start and stop: Will be considered on an individual basis

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: None

Link: None

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 or 7 credit hours.**

This is a clinical rotation in pediatric dermatology where students will see pediatric patients with a wide spectrum of dermatologic conditions that affect the skin, hair, and nails. Patients are seen in both the outpatient clinic setting and inpatient consult setting. Students will have the opportunity to interact with some patients independently, but they will be supervised by an attending pediatric dermatologist at all times. Emphasis will be placed on learning to obtain a relevant clinical history, perform a thorough cutaneous examination, and present the findings while employing proper dermatologic terminology. Students will gain experience in formulating a differential diagnosis and therapeutic plan for patients. Students will also have the opportunity to observe and assist with minor surgical and laser procedures in the clinic and OR settings.

### **PED1-4030/F PEDIATRIC EMERGENCY MEDICINE**

Course Director: Dr. Amy Hertz

Contact Information: [alhertz@comcast.net](mailto:alhertz@comcast.net) 901-287-5986

Approval Authorization required: Students need approval of course director to schedule this rotation. The student can email Dr. Hertz or call the ED administration office (287-5986) before 3:00 PM and the secretary will get the message to her.

Location: LBCH

Orientation location: TBD with Dr. Hertz

Size: Maximum of 1 student

Overnight Call: Deep evening shifts

Weekend Work: Expect 2 weekends

Flexibility:

- Half Block: Not available
- Time off for Interviews: Requests for days off may be made when the director asks for them
- Off cycle start and stop: Not available

Deadline for Cancellation: 6 weeks before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: Any Pediatric ED Text

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/peds-er-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The purpose of this elective is to provide the student with an experience in acute care pediatrics. The student should improve his/her assessment skills in caring for the acutely ill or injured child. An approach to common pediatric emergencies will be taught. Students will gain experience in procedures such as pediatric phlebotomy and IV, spinal taps, and splinting and laceration repair. The student will work as a sub intern in the Department under direct supervision of the Emergency Department Attending Physician. He/she will perform the initial evaluation of patients, necessary tests, and provide appropriate therapy after consultation with the Emergency Department faculty. The student will attend the Department's teaching conferences.

### **PED1-4035/F NEWBORN MEDICINE**

Course Director: Dr. Ajay Talati

Contact Information: Kimberley Jones [kjones62@uthsc.edu](mailto:kjones62@uthsc.edu) 901-448-4751

Approval Authorization required: Must have prior approval from Dr. Talati or Dr. Dhanireddy

Location: Newborn Center, Rout Women's Hospital, 2nd floor, 853 Jefferson Ave.

Orientation location: Newborn Center Administrative Office, 2nd floor, Rout Building, ROH

Size: Maximum of 2 students

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off
- Time off for Interviews: Negotiable thirty days prior to start of full month elective
- Off cycle start and stop: Not available

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: Contact Dr. Talati at least 2 weeks prior to start for reading material

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/peds-newborn-medicine-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The care of critically ill infants is under direct ongoing supervision of faculty and/or fellows. Evaluation, diagnosis, and treatment of neonates are based upon pathophysiologic principles. The relationship of infants' disorders to intrauterine events is stressed. The student participates in rounds and supervised patient care on the same basis as the pediatric intern. This includes delivery room management of distressed infants, admission of inborn and transported neonates, management of respiratory support, fluids and electrolytes and all other considerations that comprise multisystem support of sick infants, as well as procedures inherent to such care. Exposure to neonates with Neonatal Abstinence Syndrome (NAS) would highlight the current national health crisis of narcotic addiction and its impact on newborn. Ongoing communication with perinatal social workers, whose activities are concerned with high-risk infants and their mothers, will expose the student to the highly sensitive psychosocial ramifications experienced by the families of babies in intensive care units.

### **PED1-4036/F PEDIATRIC ICU**

Course Director: Dr. Nadeem Shafi

Contact Information: [nshafi@uthsc.edu](mailto:nshafi@uthsc.edu) 901-287-6303

Approval Authorization required: No

Location: LBCH

Orientation location: Le Bonheur Children's Hospital, 848 Adams, PICU Physician Workroom, 5<sup>th</sup> floor

Size: Maximum of 1 student

Overnight Call: Suggested for experience but not required

Weekend Work: Suggested for experience but not required

Flexibility:

- Half Block: Not available
- Time off for Interviews: Negotiable 2 weeks prior to start of elective. Max time off is not to exceed 4 days.
- Off cycle start and stop: Negotiable but not duration of rotation

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: Available in Blocks 1, 2, 3, 4, 5, 6, 9, 10, 11, and 12

Prerequisites: Core Pediatrics Clerkship

Pre-reading: None

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/peds-picu-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective introduces the 4<sup>th</sup>-year medical student to the care of critically ill children in the sophisticated, technologically-rich environment of the pediatric intensive care unit (PICU). The student

will encounter life-threatening pediatric conditions such as sepsis, trauma, status asthmaticus, and DKA; post-operative care for a variety of cases such as spinal fusions and brain tumor resections; and a range of other conditions which require children to have intensive care monitoring. The student may be exposed to extracorporeal support modalities such as ECMO and continuous renal replacement.

While assuming care of patients under the supervision of Pediatrics residents as well as Pediatric Critical Care fellows and faculty, the student will participate in rounds and implement care plans just like a resident, fully integrating with the multidisciplinary team. S/he will learn to recognize concepts of physiology and pathophysiology in clinical presentations, and apply them in monitoring and management strategies. Fundamentals of critical care such as airway and hemodynamic stabilization will be reviewed. The student will gain familiarity with invasive procedures common in the PICU. Finally, this rotation will provide experience with families who are under the duress of having a critically ill child.

### **PED1-4040/F COMMUNITY PEDIATRICS**

Course Director: Dr. Gail Beeman

Contact Information: [gbeeman@uthsc.edu](mailto:gbeeman@uthsc.edu) 901-287-6292

Approval Authorization required: No

Location: LBCH

Orientation location: Faculty Office Building, 49 N. Dunlap, 1<sup>st</sup> floor, Room 150 (Dr. Beeman's Office)

Size: Maximum of 1 student

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off
- Time off for Interviews: Negotiable thirty days prior to start of full month elective
- Off cycle start and stop: Not available

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: Available in Blocks 1, 2, 3, 4, 8, 9, 10 and 11

Prerequisites: Core Pediatrics Clerkship

Pre-reading: None

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/community-peds-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 or 7 credit hours.**

The community rotation is focused on familiarizing the student with community organizations and efforts that contribute to the health and wellbeing of our children. The organizations include Le Bonheur community outreach - West Tennessee Mobile Van (visits schools with children who need routine care), Nurse Family Partnership (home visits for needy families), Tipton County Schools (school nursing), LEAD (physical, speech and occupational therapy for disabled children from all socio-economic strata), LCAP (child abuse assessment), and SafeKids. Other organizations include – The Urban Child Institute (TUCI) and the Shelby County Health Department. Understanding advocacy for children is also part of the goal of the rotation and various activities are available including trips to Nashville when the state legislature is in session. The student will participate in several

activities each week. A written journal of these activities is required as well as periodic group discussions. Reading material is also provided for each activity to augment the experience. Because of the scheduling of activities with schools and other agencies that decrease or change activities in the summer/holiday months, the rotation is only offered during eight months – August through November and January through April. The student who signs up for this rotation must have a highway safe vehicle and gas money for travelling to the various West Tennessee outreach locations. Trips to Nashville when scheduled are provided.

### **PED1-4050/F PEDIATRIC ALLERGY - CLINICAL IMMUNOLOGY**

Course Director: Dr. Betty Lew

Contact Information: Cindi Morrow [cmorrow@uthsc.edu](mailto:cmorrow@uthsc.edu) 901-287-6221

Approval Authorization required: Must have prior approval from Dr. D. Betty Lew

Location: LBCH

Orientation location: Contact Dr. D. Betty Lew

Size: Maximum of 1 student

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off
- Time off for Interviews: Negotiable thirty days prior to start of full month elective
- Off cycle start and stop: Not available

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: See website

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/peds-ai-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 or 7 credit hours.**

This clinical allergy/immunology elective is designed to give the student an understanding of the basic principles of diagnosis and management of children with allergic and immunologic diseases. The emphasis of this elective will be on the evaluation and treatment of the following atopic diseases: asthma, allergic rhinitis, atopic dermatitis, food allergy, urticaria, and insect sensitivity. Another part of the elective is the evaluation and treatment of children with recurrent infections. Appropriate reading assignments will be given during the elective. In addition, the student will participate in the weekly allergy immunology conference, fellow's asthma clinic, and allergy/immunology journal club.

### **PED1-4060/F PEDIATRIC CARDIOLOGY**

Course Director: Dr. Ranjit Philip

Contact Information: [rphilip@uthsc.edu](mailto:rphilip@uthsc.edu) 423-741-6330



Approval Authorization required: No

Location: LBCH

Orientation location: Faculty Office Building, 49 N. Dunlap, 3<sup>rd</sup> floor, Suite 346

Size: Maximum of 2 students

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off
- Time off for Interviews: Negotiable thirty days prior to start of full month elective
- Off cycle start and stop: Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: None

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/peds-cardio-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 or 7 credit hours.**

The student will learn basic principles of pediatric cardiology, which will increase understanding of the diagnosis, management and treatment of the patient with heart disease. The student also will learn the basics of graphics interpretation (EKG; m-mode, 2d and Doppler echocardiography; exercise testing) hemodynamic data and x-ray, will be able to observe cardiac catheterizations and cardiac surgery, and will be intimately involved in the care of both inpatient and outpatient medical and surgical patients. This elective includes several weekly clinical/didactic sessions. Emphasis will be placed on the outpatient evaluation of children referred for heart murmurs, if so desired by the student. Other areas of emphasis are available upon request to Dr. Philip.

### **PED1-4070/F PEDIATRIC ENDOCRINOLOGY-METABOLISM**

Course Director: Dr. Hiba Al-Zubeidi

Contact Information: Sharee' Kaesberg [ckaesbe1@uthsc.edu](mailto:ckaesbe1@uthsc.edu) 901-287-7425

Approval Authorization required: No

Location: LBCH

Orientation location: Faculty Office Building, 49 N. Dunlap, 1<sup>st</sup> floor, Room 127 (Dr. Al-Zubeidi's office).

Orientation day and time should be arranged with Dr. Al-Zubeidi.

Size: Maximum of 1 student

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: Not available
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: See website for reading list and pretest to be submitted prior to the start of the elective.

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/peds-endo-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The elective in pediatric endocrinology is designed to teach students to evaluate and manage the most common problems of pediatric endocrinology and metabolism including: growth evaluation, puberty, thyroid, adrenal, pituitary and metabolic disorders, in addition to exposure to some of the less common problems. It is also meant to serve as an introduction to the discipline for those who intend to seek further training in pediatrics or endocrinology. Students will evaluate and treat both hospitalized and ambulatory patients under the direct supervision of an attending physician. Emphasis is placed on the efficient use of laboratory studies in diagnosis. Dr. Al-Zubeidi will meet with the students on a regularly scheduled basis to discuss their patients. The students will participate in the academic exercises of the Division. Each medical student will be expected to present a case at the endocrinology division case conference meeting at the last week of the elective. If students have other, specific educational goals, the elective may be individualized by prior arrangement to fulfill those.

### **PED1-4079/F PEDIATRIC ENDOCRINOLOGY - DIABETES RESEARCH**

Course Director: Dr. Hiba Al-Zubeidi

Contact Information: Sharee' Kaesberg [ckaesbe1@uthsc.edu](mailto:ckaesbe1@uthsc.edu) 901-287-7425

Approval Authorization required: Must meet with Dr. Al-Zubeidi to discuss available research projects in the division at least 30 days prior to start of elective.

Location: LBCH

Orientation location: Faculty Office Building, 49 N. Dunlap, 1<sup>st</sup> floor, Room 127 (Dr. Al-Zubeidi's office).

Orientation day and time should be arranged with Dr. Al-Zubeidi.

Size: Maximum of 1 student

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: Not available
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: 1. Research topic background 2. Books: (Designing clinical research, Basics for evaluating medical research)

Link: None

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The student will participate in ongoing clinical and basic research in the area of general endocrinology or diabetes.

### **PED1-4080/F PEDIATRIC GASTROENTEROLOGY**

Course Director: Dr. Mark Corkins

Contact Information: [mcorkins@uthsc.edu](mailto:mcorkins@uthsc.edu) 901-287-6390

Approval Authorization required: No

Location: LBCH

Orientation location: Faculty Office Building, 49 N. Dunlap, 2<sup>nd</sup> floor, Room 232 (Dr. Corkins' office)

Size: Maximum of 1 student

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: Not available
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not available

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: None

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/peds-gi-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This clinical elective offers an experience in both outpatient and inpatient pediatric gastroenterology and nutrition. Owing to the large referral population of the division, participants can be expected to encounter patients with a wide variety of gastrointestinal and hepatic disorders. Normal physiology, pathologic physiology, techniques of evaluation, histologic pathology, and therapy will be discussed. Participants will be able to observe

different diagnostic procedures such as endoscopy, colonoscopy, liver biopsy, etc. Participants will also be expected to be actively involved in the evaluation and management of hospitalized patients.

### **PED1-4102/F ST. JUDE ELECTIVES**

Course Director: Dr. Joan Chesney

Contact Information: Jeannie Diaz [jeannie.diaz@stjude.org](mailto:jeannie.diaz@stjude.org) 901-595-6385

Approval Authorization required: Students must contact Jeannie Diaz [jeannie.diaz@stjude.org](mailto:jeannie.diaz@stjude.org) 901-595-6385 or Christine McManus [christine.mcmanus@stjude.org](mailto:christine.mcmanus@stjude.org) 901-595-7950 to apply for this course or for more details regarding electives offered at St. Jude.

Location: St. Jude Children's Research Hospital

Orientation location: St. Jude Children's Research Hospital – Clinical Education and Training Office

Size: Maximum of 4 students

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: None

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/peds-stjude-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 or 7 credit hours.**

Electives for fourth year students are available at St. Jude in the fields of Hematology, Oncology, Infectious Diseases, Surgery, Anesthesiology, Pathology, Neurology, Critical Care Medicine and, in selected cases, Radiation Oncology. In most cases, the emphasis is on inpatient care with staff, fellow and resident supervision. Some rotations may involve time in clinics, operating or procedure rooms.

In addition to patient care, the student will participate in a variety of weekly conferences. Research electives are also available.

### **PED1-4110/F PEDIATRIC INFECTIOUS DISEASES**

Course Director: Dr. Sandy Arnold

Contact Information: [sarnold5@uthsc.edu](mailto:sarnold5@uthsc.edu). You will be contacted by the attending or fellow on service before the first day.

Approval Authorization required: No

Location: LBCH

Orientation location: Faculty Office Building, 49 N. Dunlap, 2<sup>nd</sup> floor conference room, 9:30am on first Monday of rotation.

Size: Maximum of 2 students

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: Not available
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not available

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: Chapters 289-292 on Antimicrobial Therapy in Principles and Practice of Pediatric Infectious Diseases, Fourth Addition. Available on Clinical Key through UT library.

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/peds-id-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective offers the student hands-on experience in the diagnosis and treatment of children with both common and uncommon pediatric infectious diseases. In addition, the student learns the principles of effective and judicious use of antimicrobial agents and has the opportunity to hone his/her diagnostic skills by evaluating challenging cases. The student will generally have first contact with new patients on the inpatient consultation service and will also evaluate selected outpatients. The Le Bonheur consultation service sees approximately 40-50 new inpatients per month. In addition, approximately 8-10 patients per week are evaluated in the Pediatric Infectious Diseases Clinic. The Infectious Disease Service works closely with the microbiology, virology and serology laboratories, the infection Prevention and Antimicrobial Stewardship programs at Le Bonheur, and the student will have educational opportunities in these areas. Students will also attend several weekly infectious disease conferences.

### **PED1-4120/F PEDIATRIC NEPHROLOGY**

Course Director: Dr. David Hains

Contact Information: [dhains@uthsc.edu](mailto:dhains@uthsc.edu) 901-287-4876

Approval Authorization required: No

Location: LBCH

Orientation location: Email Dr. Hains one week prior to the start of rotation for reading materials and location for first day.

Size: Maximum of 2 students

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off

- Time off for Interviews: Negotiable thirty days prior to start of full month elective
- Off cycle start and stop: Not available

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: Will be sent by Dr. Hains at beginning of rotation

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/peds-nephro-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 or 7 credit hours.**

The Pediatric Nephrology elective provides students with an opportunity to apply their basic knowledge of renal physiology, acid-base balance, laboratory medicine, renal pathology, history taking and physical examination in diagnosing and children with renal disease. From 30 to 60 outpatients per week 12 patients in hemodialysis unit and 3 to 6 hospitalized patients at all times are available for teaching. Hematuria-proteinuria, glomerulonephritis, nephrotic syndrome, acute and chronic renal failure, hypertension, congenital genitourinary disorders, renal transplantation and fluid-electrolyte disorders are the most common renal disorders to be evaluated. Principles of both hemodialysis and peritoneal dialysis will be discussed. Observation of the renal biopsy procedure and review of the resulting histology are available. Weekly and monthly renal conferences and seminars are provided.

### **PED1-4130/F PEDIATRIC PULMONOLOGY**

Course Director: Dr. Brent Haberman

Contact Information: San Fitchpatrick [sfitchp1@uthsc.edu](mailto:sfitchp1@uthsc.edu) 901-287-5336

Approval Authorization required: No

Location: LBCH

Orientation location: Faculty Office Building, 49 N. Dunlap, 2<sup>nd</sup> floor, Room 222 (Dr. Haberman's office)

Size: Maximum of 2 students

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off
- Time off for Interviews: Negotiable thirty days prior to start of full month elective
- Off cycle start and stop: Not available

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatrics Clerkship

Pre-reading: None

Link: <http://www.uthsc.edu/pediatrics/clerkship/documents/electives/peds-pulmonary-syllabus.pdf>

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 or 7 credit hours.**

The elective in Pediatric Pulmonary Medicine provides students with an opportunity to see a variety of infants, children and adolescents with lung problems, including asthma, cystic fibrosis, chronic lung disease of infancy (BPD), as well as ventilator and technology-dependent children. The outpatient clinics include 40-50 patients per week and include common new patient complaints such as chronic cough, recurrent pneumonia, wheezing, sleep problems and exercise difficulty. Students will have an opportunity to observe and learn about useful diagnostic studies including pulmonary function testing in both infants and older children, flexible bronchoscopy, and polysomnography (sleep studies). Approximately 3-10 patients per week are admitted on the Pediatric Pulmonary service, including cystic fibrosis, and the student has the opportunity to participate in multidisciplinary team meetings dealing with complicated patients as well as several clinical and research conferences per week. Students are strongly encouraged to participate in ongoing clinical research or quality improvement projects of the section.

### **PED9-4010/F VISITING ELECTIVE IN PEDIATRICS**

Course Coordinator: Dr. Jonathan McCullers

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course number is used by UTHSC students only for scheduling a visiting elective at another medical school for which credit is granted at UTHSC.

## **DEPARTMENT OF PSYCHIATRY**

### **PSY1-3002/F PSYCHIATRY CLERKSHIP**

Course Directors: Dr. Jo Ranga

Course Coordinator: Dr. Jo Ranga, Terika Miller

Contact Information: [jranga@uthsc.edu](mailto:jranga@uthsc.edu) 448-4561; [Tmille20@uthsc.edu](mailto:Tmille20@uthsc.edu), 448-4561

Approval Authorization required: yes

Orientation Locations: 920 Madison, 2<sup>nd</sup> Floor, Classroom

Size: Max 14

Overnight Call: None

Weekend Work: None

Flexibility:

- Time off for Interviews: Only in rare exceptions, for M-4 students, with 30-day prior approval by course director
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of Clerkship

Blocks offered: **Year-Round**

Prerequisites: Successful completion of M1 & M2 CURRICULUM

Pre-reading: Review Notes and slides from the M-2 Psychopathology Course

Link: Online course syllabus located on department website with greater detail, goals and objectives, logistics, etc. Located on CORE

**This is a face to face clinical rotation offered Year-Round and receiving 7 credit hours.**

Core Clerkship in Psychiatry (7 credit hours). This four-week clerkship is required for all medical students. Students are assigned to a general inpatient service, or to a Consultation-Liaison Psychiatry Service, as their home base. Lectures, readings, case conferences, and mandatory exposure to Child Psychiatry and education in Electroconvulsive Therapy (live or on-line) round out the experience. The student is expected to gain a basic knowledge of psychiatric diagnosis, applied psychopharmacology, and non-pharmacologic treatment options. Emphasis is on information useful to students regardless of their future specialty choice. This clerkship is offered in Memphis year-round, and in Knoxville and Chattanooga during certain blocks.

### **PSY1-3010/F JI ANY-SENIOR CLERKSHIP IN ADULT PSYCHIATRY-MEMPHIS**

Course Directors: Dr. Jo Ranga

Course Coordinator: Dr. Taylor Williams; Dr. Terry Holmes (Chattanooga), and Dr. Paul Miller and Brent Coyle, (Knoxville/Maryville)



Contact Information: [jranga@uthsc.edu](mailto:jranga@uthsc.edu) 448-4561; [Tmille20@uthsc.edu](mailto:Tmille20@uthsc.edu), 448-4561

Approval Authorization required: yes

Orientation Locations: Memphis Mental Health Institute (Memphis), Moccasin Bend Mental Health Institute (Chattanooga); Blount Memorial Hospital (Knoxville/Maryville).

Size: 1

Overnight Call: None

Weekend Work: None

Flexibility:

- Time off for Interviews: Only in rare exceptions, for M-4 students, with 30-day prior approval by course director
- Off cycle start and stop: Not Negotiable

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

**Not available on the scheduler. Available only through prior arrangement by course director, and only during certain months of the year!**

The students are to assume care of psychiatric patients that is commensurate with the level of training of a beginning Intern. Consolidate and apply knowledge (differential dx and treatment of mental disorders), acquired during the M-2 Integrated Psychopathology/Psychopharmacology Course, and the M-3 Clerkship

Refine skills in case work-up, presentation, and in recommending management options.

Work as an integral member of the team. Establish rapport with patients, families, and colleagues while also observing appropriate professional boundaries and etiquette.

Learn about the Mental Health system, as well as community resources.

The student will have responsibility for 4-6 patients per week depending on census.

Students will do the initial workup and present their findings to their Attendings and/or residents. Students will take ownership of their patients, but maintain close supervision.

Daily team meetings; other teaching conferences as available on each site. The residents are taking call only from home; students will not be assigned to night call. However, students are welcome to join faculty and on-site staff for emergency triage and evaluation activities, if available. Weekend duties (rounds) will be determined by the individual sites.

### **PSY1-3011/F JI ANY-SENIOR CLERKSHIP IN CHILD AND ADOLESCENT PSYCHIATRY**

Course Directors: Dr. Jo Ranga

Course Coordinator: Dr. Jo Ranga

Contact Information: [jranga@uthsc.edu](mailto:jranga@uthsc.edu) 448-4561; [Tmille20@uthsc.edu](mailto:Tmille20@uthsc.edu), 448-4561

Approval Authorization required: yes

Orientation Locations: Memphis. Lakeside Hospital, Boling Center, LeBonheur Psychiatric Consultation Service

Size: 1

Overnight Call: None

Weekend Work: Saturday Rounds with Child Psychiatry Fellows

Flexibility:

- Time off for Interviews: Only in rare exceptions, for M-4 students, with 30-day prior approval by course director
- Off cycle start and stop: Not Negotiable

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

**Not available on the scheduler. Available only through prior arrangement by the Clerkship Director, Dr. Jo Ranga, and only during certain months!**

**Not during July and October.**

**Please contact Dr. Ranga at [jranga@uthsc.edu](mailto:jranga@uthsc.edu) for more information and to arrange for a rotation!**

This senior clerkship evaluates and treats children and adolescents with psychiatric problems. The student will follow a limited number of patients in the Child and Adolescent Consultation service at Lebonheur Children' Hospital. The student will evaluate the psychiatric problems of children and adolescents, hospitalized at LeBonheur, design an interdisciplinary treatment plan, and work with families and caregivers to address the needs of the young patient. The student will have some responsibility for 3-4 patients Students will be significantly involved in evaluation and treatment and are expected to assume ownership of their patients. They will work closely with faculty and Child Psychiatry Fellows. Close (daily) supervision is provided. The student will participate in all rounds, clinical activities, and conferences with the Child Psychiatry Fellows. The Child Psychiatry Fellows take night call from home and make rounds on Saturdays. The student will join the Fellows on weekend rounds.

### **PSY1-3030/F JI ANY-SENIOR CLERKSHIP IN ADDICTION PSYCHIATRY/ADDICTION MEDICINE**

Course Directors: Dr. Jo Ranga

Course Coordinator: Dr. Daniel Boyd, MD (Lakeside Hospital) or Dr. Van Duren (Veterans Administration Medical Center)

Contact Information: [jranga@uthsc.edu](mailto:jranga@uthsc.edu) 448-4561; [Tmille20@uthsc.edu](mailto:Tmille20@uthsc.edu), 448-4561

Approval Authorization required: yes

Orientation Locations: Memphis. Lakeside Hospital

Size: 2

Overnight Call: None

Weekend Work: None

Flexibility:

- Time off for Interviews: Only in rare exceptions, for M-4 students, with 30-day prior approval by course director
- Off cycle start and stop: Not Negotiable

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

Not available on the scheduler. Available only through prior arrangement by the Clerkship Director, Dr. Jo Ranga, Please contact Dr. Ranga at [jranga@uthsc.edu](mailto:jranga@uthsc.edu) for more information and to arrange for a rotation!

Objectives: Introduction to the disease concept of Addiction; Familiarize students with the signs and symptoms of chemical abuse and dependency; introduce screening tools available to identify chemically dependent patients; familiarize students with the signs and symptoms of acute and chronic intoxication and how to manage the intoxicated patient; familiarize students with the signs and symptoms of chemical withdrawal and the medical detoxification techniques for various drugs including alcohol, opiates, and sedative/hypnotics. The student will become acquainted with the concept of Recovery from Chemical Dependency, and with various approaches, including 12-step Recovery, Cognitive Behavioral Therapy, etc. Students will learn how clinicians in unrelated specialties can assist their patients in pursuing and maintaining Recovery. Students will carry a maximum patient load of 4-6 patients, depending on the intensity of care (medical detoxification vs. rehabilitation, etc.). The students will be assigned patients at admission and follow them to discharge. The students will assume the role of the patient's "primary provider" under the close supervision of course faculty who are present in the Chemical Dependency center throughout the day. Psychiatry residents may be working collaboratively with the students on some patients. Individual patient's cases are discussed in Multidisciplinary Treatment Team Conferences, where a therapeutic plan is developed. Students are encouraged to attend at least one AA meeting during the evening.

### **PSY1-4009/F Elective in AIDS Psychiatry**

Course Coordinator: Dr. Juan Jaramillo,  
448-6400

Note: Before signing up, please contact Dr. Jaramillo <[jjaramil@uthsc.edu](mailto:jjaramil@uthsc.edu)>

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 or 7 credit hours. Note: This elective can be half-time (PSY1-4009/H)**

**Note: Can be combined with another 2 week elective, like Hypnosis or Child Psychiatry.**

The student will learn about the neuropsychiatric complications of HIV/AIDS and the effect of psychosocial issues on HIV prevention, adherence to antiretroviral medications and patients' ability

to cope with chronic illness. The student will learn to perform a comprehensive, psychiatric diagnostic assessment of patients infected with HIV as well as crisis evaluation and management of patients at risk for dangerous behavior. Students will also have the opportunity to participate in the multi-disciplinary medical care of patients. The clinical site is the Adult Special Care Clinic, an HIV primary care outpatient clinic located at the Medplex (The Med outpatient clinic). When the preceptor is not in the clinic, students may collaborate with other clinic faculty and gather comprehensive psycho-social histories, and/or work with care managers to provide updated information on the patient's psychiatric status.

Depending on census, time may also be spent at the Med on the Psychiatry Consult-Liaison service, providing psychiatric care to HIV patients in an inpatient setting. If students see patients alone, they will present the case to the preceptor for discussion. The usual case load involves seeing 2-5 patients per outpatient session. There is no night call.

### **PSY1-4069/F PRIVATE PRACTICE ELECTIVE WITH FOCUS ON MOOD DISORDERS**

Course Directors: Dr. Jo Ranga

Course Coordinator: Radwan Haykal, MD

Contact Information: [jranga@uthsc.edu](mailto:jranga@uthsc.edu) 448-4561; [Tmille20@uthsc.edu](mailto:Tmille20@uthsc.edu), 448-4561

Approval Authorization required: yes

Orientation Locations: Memphis. Lakeside Behavioral Health System

Size: 1

Overnight Call: None

Weekend Work: None

Flexibility:

- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

Not available on the scheduler. Available only through prior arrangement by the Clerkship Director, Dr. Jo Ranga, Please contact Dr. Ranga at [jranga@uthsc.edu](mailto:jranga@uthsc.edu) for more information and to arrange for a rotation!

NOTE: This elective is not available on the scheduler, although it is available most months. Once Approval is granted by Dr. Ranga PLEASE CONFIRM AVAILABILITY BY CALLING DR. RADWAN HAYKAL AT (901) 683-4500 and/or SENDING HIM an EMAIL at [rhaykal@comcast.net](mailto:rhaykal@comcast.net) and [rfhmd@bellsouth.net](mailto:rfhmd@bellsouth.net) PRIOR TO SIGNING UP. Once confirmed contact Ruby Bland [rlbland@uthsc.edu](mailto:rlbland@uthsc.edu) to schedule.

The objectives for this course are to familiarize students with diagnosis and treatment of psychiatric adult patients in hospital, day hospital, and outpatient settings. The students will see around 15-20 patients per day, but will focus in-depth on 3-4 per week throughout their stay. Students will be part of a treatment team. They will not write in the chart, but will participate with the attending in formulating the treatment plan and in the structure of the documentation in each patient's chart.

Full-time supervision by the course coordinator or his associates. In addition to patient care, the students will attend the following structured patient activities:

- 1) Bipolar Spectrum Lecture – 1xwk; Tuesday, 10:45 A.M. (Dr. Haykal)
- 2) Transformation Skills – 2-week course; Mon-Fri, 8:30 A.M. – 9:30 A.M. (Dr. Stanley)
- 3) Suicide Prevention – 2-week course; Wed, 1:00 P.M. – 3:00 P.M. (Dr. Tullis)
- 4) Trauma Resolution Groups – 1-week course; Thurs, Fri, 3:15 P.M.-5:00 P.M.
- 5) Bipolar Spectrum Multi-Family Group-2/4-week course; Tues, 7:00 P.M.-8:00 P.M.

For the 4-week rotation, addiction groups will be added in the second half block.

### **PSY1-4130/F ELECTIVE IN CHILD AND ADOLESCENT PSYCHIATRY**

Course Directors: Dr. Jo Ranga

Course Coordinator: Dr. Jo Ranga/Other Faculty: Drs. Valerie Arnold, Najiba Battaile, and Melissa Hoffman

Contact Information: [jranga@uthsc.edu](mailto:jranga@uthsc.edu) 448-4561; [Tmille20@uthsc.edu](mailto:Tmille20@uthsc.edu), 448-4561

Approval Authorization required: yes

Orientation Locations: Boling Center, LeBonheur Psychiatry Consultation Service

Size: 2

Overnight Call: None

Weekend Work: None

Flexibility:

- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 or 7 credit hours.**

Note: This elective can be a half-time elective (PSY1-4130/H). PLEASE CONTACT Dr. Jyotsna Ranga [jranga@uthsc.edu](mailto:jranga@uthsc.edu) BEFORE SIGNING UP and wait for confirmation.

Objectives: To properly evaluate children and adolescents with psychiatric problems; to learn to design an interdisciplinary treatment plan; to work with families and caregivers to address the needs of the young patient. Students will work closely with faculty and Child Psychiatry Fellows. Students will not have primary clinical responsibility for the patients, but will be significantly involved in their evaluation and treatment. The student will participate in all rounds and clinical activities with the Child Psychiatry Fellows. This includes Thursday afternoon clinics at the Boling Center, consultations at LeBonheur. Activities will be set up according to a student's individual needs and interests. Call duties: The Child Psychiatry Fellows take night call from home and make rounds on Saturdays. There are no formal night and weekend duties for the students, but they are invited to join the Fellows to see interesting cases.

**PSY9-4010/F VISITING ELECTIVE IN PSYCHIATRY**

Course Coordinator: Department Chair

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course number is used by UTHSC students only for scheduling a visiting elective at another medical school for which credit is granted at UTHSC.

## **DEPARTMENT OF RADIOLOGY**

### **RAD1-4010/F DIAGNOSTIC RADIOLOGY**

Course Coordinator: Dr. Brian Green

Location: Methodist

Size: 6

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The elective rotation in radiology at Methodist Hospital (Central) includes a minimum of six weekly conferences covering both broad, general and subspecialized areas of diagnostic radiology. The rotation also includes direct experience in nuclear medicine, computed tomography, ultrasound, general diagnostic radiology, and special procedures (including both angiography and interventional radiologic procedures). There is to be close contact with both attending staff and radiology residents with discussion of methods and diagnostic pathways.

### **RAD1-4012/F INTERVENTIONAL RADIOLOGY**

Course Coordinator: Dr. Brian Green

Location: Methodist

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course will help the students understand the role of interventional radiology in the clinical assessment and treatment of patients. The student will have some responsibility for 10-15 patients per week. The students will participate in the work-up procedure and follow-up of assigned patients. The students will have complete supervision during procedures. Review and evaluation of students' work-up of patients will be done by either staff, fellows or residents. The students will attend general radiology conferences. The students will be responsible for case presentation to staff, fellows and residents on a pertinent topic in interventional/vascular radiology. The students will gain understanding of a variety of different procedures and techniques in vascular/interventional radiology. Students will make pre-procedure and post-procedure rounds on patients on the interventional/vascular service.

### **RAD1-4013/H PEDIATRIC RADIOLOGY (Half-time Only)**

Course Coordinator: Dr. Harris L. Cohen

Location: LBCMC

Size: 2

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 credit hours.**

Course Description: This course is designed as an introduction to the unique aspects of pediatric imaging over various ages of childhood. The objectives for this course are to increase student's awareness of the capabilities of the various imaging exams available for children appropriately and to improve their ability to correctly order such exams as well as diagnose various diseases with those imaging tools. Students will have some responsibility for viewing 25 cases a day under the supervision of faculty, residents, and fellows. Students will attend daily lectures, daily work rounds, and weekly specialty conferences. Students have the opportunity to shadow the on-call radiology resident at LeBonheur. Some perinatal work including fetal MR and fetal ultrasound will be used for improving student knowledge of perinatal imaging.

### **RAD1-4019/F RADIOLOGY RESEARCH ELECTIVE**

Course Coordinators: Harris L. Cohen, M.D. and Asim F. Choudhri, M.D.

Location: LBCMC

Size: 2

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective requires prior approval of acceptance from one of the course directors. Acceptance via an interview to be scheduled through Amber Weinberg [Amber.Weinberg@lebonheur.org](mailto:Amber.Weinberg@lebonheur.org) or Natalie DeCanter [Natalie.DeCanter@lebonheur.org](mailto:Natalie.DeCanter@lebonheur.org)

Note: Contacts for the research elective: Department Chair and elective co-director: Harris L. Cohen, M.D. (hcohen@uthsc.edu) Research elective co-director: Asim F. Choudhri, M.D. (achoudhri@uthsc.edu)

Goals and objectives of elective: At the end of this rotation, it is expected that the student will learn appropriate methods for effective and ethical clinical research. During the elective the student will:

- Obtain UTHSC IRB training through the iRIS website
- Learn to perform database searches of the electronic medical record
- Learn to save DICOM studies from the PACS archive
- Learn to anonymize imaging studies for research purposes
- Learn to use the Edactic teaching file software (edactic.com) for clinical research projects
- Learn how to critically review the literature and perform a literature search
- Learn how to formulate a research hypothesis
- Learn how to write and submit an IRB protocol and an IRB exemption



- Learn how to collect data and enter it into a secure database
- Learn how to write an abstract for a scientific meeting
- Learn how to create and present a presentation of original research
- Learn how to collaborate on clinical research projects with clinical colleagues from various medical fields
- Understand the concepts of peer-review
- Learn how to submit case reports, research articles, review articles, and letters to the editor for various journals, including the use of a journal's "Instructions for Authors" as a guide to formatting a submission
- Learn about journal impact factors and how they are calculated
- Learn the concept of the "h-index" and how it is calculated

## **Responsibilities:**

- 1- Arrive by SAM, remain at work until SPM daily with appropriate time allotted for lunch. This will be expected Monday through Friday. There are no formal call responsibilities. This is intended to be a one month elective unless otherwise specifically stated and approved by the Department Chair.
- 2- During the elective time student will attend didactic lectures in the Department of Radiology and multidisciplinary conferences pertaining to their area(s) of research.

## **Expectations:**

- 1- The student will participate in at least one existing research project, and formulate a hypothesis for a new research project
- 2- The student will write at least one IRB protocol, preferably evaluating a new hypothesis
- 3- Verbal progress reports will take place daily with mentors. Informal written progress reports will be expected weekly.
- 4- The student will participate in writing at least one abstract for a scientific meeting or institutional research seminar
- 5- At the end of the rotation, the student will provide to the Department Chair a written summary of actions performed during the rotation. The written summary will include references and figures.
- 6- The student will provide a formal presentation to the Radiology Department of research performed during the rotation

## **Additional opportunities for motivated students.**

- 1- In addition to the formal responsibilities of the rotation, the student is encouraged to write and submit a case report for peer review based upon a case the student clinically participated in. The student should identify an appropriate case, perform a review of the medical chart, perform a literature search on the topic, speak with clinicians of various medical specialties who participated in the care of this patient and/or who are experts in the topic, identify an appropriate journal to submit the case report, write the case report

in the format required for this journal, and submit the report. Radiological findings should be one key element of the case report.

2- The student is encouraged to identify areas of clinical interest to participate in formulation and writing of an unknown case, book chapter, review article, or other form of scholarly output. While such efforts will likely extend beyond the time period of the elective, only work performed during the elective will be considered when formulating the evaluation of the elective (i.e. the evaluation will not include description of future promised work, only work completed).

### **RAD1-4021/F INTRODUCTION TO CLINICAL RADIATION ONCOLOGY**

Course Coordinator: Drs. Michael Farmer, Matthew Ballo and Noam VanderWalde

Contact Information: ?

Approval Authorization required: None

Orientation location/time: Basement of the Thomas Wing at Methodist University Hospital and **time:** \_\_\_\_

Size: 2 Students total

Overnight Call: No

Weekend Work: No

Flexibility:

- Half Block: Yes - RAD1-4021/H
- Time off for Interviews: ???
- Off cycle start and stop: ???
- Deadline for Cancellation: Thirty days before start of elective/rotation
- Blocks offered: All
- Prerequisites: Core Clerkship
- Pre-reading:
- Link

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 or 3.5 credit hours.**

The student will have some responsibility for 10 patients. The students are expected to perform a complete history & physical examination on assigned patients and present the pertinent findings to the attending physician. They are expected to follow the patient through the course of radiation planning and treatment. Students are expected to participate fully in all aspects of their training, including active participation in departmental meetings, and in teaching activities as directed by the program director. Students are required to know the work-up and staging of each cancer type, how to develop and execute an appropriate radiotherapy plan to treat each cancer type, how to manage acute and late complications, and how to follow the patient after completion of treatment. The student is expected to participate in daily tumor boards and planning clinics. A schedule of all conferences will be provided to the student at the time of the rotation.

**RAD9-4010/F VISITING ELECTIVE IN RADIOLOGY**

Course Coordinator: Department Chair

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course number is to be used by UTHSC students only for scheduling a visiting elective at another medical school for which credit is granted by UTHSC.

## **DEPARTMENT OF SURGERY**

### **SUR1-3001/F SURGERY CLERKSHIP**

Clerkship Director: Dr. Gayle Minard

Location: Memphis

**This is a face to face clinical rotation offered all year and receiving 14 credit hours.**

Core Clerkship in Surgery (14 credit hrs). This eight-week clerkship encompasses general, vascular, cardiothoracic, transplant, pediatric surgery, and trauma surgery. The objective of this clerkship is to familiarize the student with the basic pathophysiologic, diagnostic and therapeutic modalities involved in the art and science of surgery. The fundamentals taught in this rotation will be of benefit to individuals even if they do not choose a field of surgery as a career. The clinical rotations consist of four weeks at the Regional One Health at Memphis which includes general surgery, trauma/critical care and outpatient clinics, then 2 weeks of general surgery at the Veterans Affairs Medical Center, Baptist, St. Francis, or Methodist University plus 2 weeks of a subspecialty in surgery. In addition to this clinical involvement, each student is involved in several small group conferences as well as afternoon didactic lecture series delivered by members of the faculty. The student is also involved in a skills laboratory as well as videotape presentations, grand round sessions, and generous outpatient participation. This clerkship, with similar experiences, is also offered in Knoxville (SUR2-3001/F) and Chattanooga (SUR3-3001/F).

### **SUR1-3012/F JI ANY - SENIOR CLERKSHIP IN ADVANCED SURGERY**

Course Coordinator: Dr. Stephen Behrman

Contact Information: Ramona Pipkin: [rpipkin@uthsc.edu](mailto:rpipkin@uthsc.edu); 901-448-5914

Approval Authorization required: Visiting (non-UT) students must have prior approval from Baptist Medical Education Department

Location: Baptist Memorial Hospital

Orientation location: Call a week before start of rotation for instructions

Size: 1 Student total

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: No
- Time off for Interviews: Not negotiable
- Off cycle start and stop: Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Surgical Clerkship

Pre-reading: No

Link: None

**This is a face to face clinical rotation receiving 7 credit hours.**

This elective provides a unique opportunity to experience an extremely broad range of pathology from Memphis and the Mid-South area in its role as a tertiary care institution. The elective is structured to provide intern-level responsibilities for the senior student. In addition, special areas of interest are easily accommodated in this institution. The student is expected to prepare for cases, be present in the OR, make rounds with the team, and participate in clinic serving patients with a broad range of GI pathology, and attend weekly resident conferences.

**SUR1-3013/F JI ANY - GENERAL/TRAUMA**

Course Coordinator: Dr. Martin Croce

Contact Information: Ramona Pipkin, Program Coordinator for the Department of Surgery a week prior to start of your rotation @ 901-448-5914. If you are a visiting student from another institution, you must obtain a UT ID badge before beginning your rotation.

Approval Authorization required: No

Location: Regional One Health

Orientation location: Regional One Health, Trauma Center, ground floor

Size: 6

Overnight Call: Optional

Weekend Work: Optional

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Internal Medicine Clerkship

Pre-reading: Basic Surgery Textbooks

Link: <http://www.uthsc.edu/surgery/>

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

A combined experience in both general surgery and trauma. The student undertakes an advanced clinical role in patient care, including preoperative workup, operative management, and post-operative care under the direct supervision of the faculty. The student will acquire skill in bedside surgical procedures. There will be conferences and daily rounds with the house staff. Patient exposure will be at the Regional One Health. All enrolled students see how both blunt and penetrating trauma is managed in one of the busiest trauma centers in the country. This course is extremely beneficial to students considering a career in surgery, or emergency room medicine. Strong points include initial evaluation, multiple system injury, diagnostic studies and an immense O.R. experience. The Trauma ICU allows the student to gain experience in Ventilatory management, and hemodynamic, nutritional and antibiotic management.

### **SUR1-3014/F JI ANY - VETERANS ADMINISTRATION HOSPITAL SICU JUNIOR INTERNSHIP**

Course Coordinator: Dr. Gayle Minard

Contact Information: Ramona Pipkin, Program Coordinator for the Department of Surgery a week prior to start of your rotation @ 901-448-5914. Also, contact Dr. Minard at [GMINARD@uthsc.edu](mailto:GMINARD@uthsc.edu) to find out which resident to contact before the rotation starts.

Approval Authorization required: No

Location: VA Medical Center

Orientation location: VA Medical Center SICU

Size: 1

Overnight Call: None

Weekend Work: One day/weekend

Flexibility:

- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: 1-11

Prerequisites: Core Surgery Clerkship

Pre-reading: Marino's The ICU Book

Link: Online course syllabus

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The student will be able to manage patients in the ICU- -specifically ventilators, fluid management, surgical infection, and pulmonary artery catheters. The student will have responsibility for approximately five patients a day along with joint responsibility with the resident for "Topic of the Day" presentation 5 days per week. Rounds are five times



a week with the attending and the rest of the multidisciplinary team. He/she will also participate in procedures such as bronchoscopy, chest tubes, and central lines. The student will attend one to three conferences on Wednesdays starting at 7 AM including M&M, Basic Science, and Surgical Grand Rounds. Call schedule consists of: 6 a.m. – 5 p.m., during the week, and rounding with the resident one day on the weekend, time to be determined by the resident.

This rotation requires students to undergo vetting under VA rules to include fingerprinting, an additional background check, and completion of training modules.

### **SUR1-4011/F TRANSPLANTATION SERVICE**

Course Coordinator: Dr. James Eason

Contact Information: Ramona Pipkin, Program Coordinator for the Department of Surgery a week prior to start of your rotation @ 901-448-5914. If you are a visiting student from another institution, you must obtain a UT ID badge before beginning your rotation.

Approval Authorization required: No

Location: Methodist University Transplant Institute

Orientation location: 1211 Union Ave, 3<sup>rd</sup> floor

Size: 4

Overnight Call: None

Weekend Work: None

Flexibility:

- Full four-week block required
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Internal Medicine Clerkship and Surgery Clerkship

Pre-reading: None

Link: None

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The purpose of this elective is to acquaint the student with the general principles of solid organ transplantation and afford them the opportunity to participate in a number of

tertiary care surgical problem situations. The specific skills involve learning detailed aspects of renal, hepatic and pancreatic replacement, including indications, selection of donors and recipients, histocompatibility testing, preoperative care, and complications. Conferences will be held daily in the form of transplantation rounds conducted each afternoon with the course coordinator. Students will have additional surgical exposure to hepatobiliary cases and vascular access. Students are to attend all resident conferences.

### **SUR1-4041/F SURGERY - SURGICAL ONCOLOGY**

Course Coordinator: Dr. Martin Fleming

Contact Information: Nancy Wedgworth, Surgical Oncology Division (901-448-2919), or Ramona Pipkin, Program Coordinator (901-448-5914) for the Department of Surgery a week prior to start of your rotation. If you are a visiting student from another institution you must obtain a UT ID badge before beginning your rotation.

Approval Authorization Required: No

Location: Methodist University Hospital and Methodist Germantown Hospital

Orientation location: 910 Madison Ave, Suite 303 at 9:00am on the first day of the rotation

Size: 1

Overnight Call: Occasional Evening and Night activity

Weekend Work: Occasional

Flexibility:

- Full Four-week Block
- Time off for Interviews: Negotiable at start of elective but no more than two interviews during the four week block
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Surgical Clerkship

Pre-reading: General Reading in Surgical Oncology

**This is a face to face clinical rotation offered in the fall and spring and receiving or 7 credit hours.**

Brief Summary:

The elective will acquaint students with diagnosis, preoperative workup, staging, and surgical management of cancer. Also emphasized will be the utilization of protocols and combination therapy integrating chemotherapy, radiation therapy, and surgery in the management of cancer patients. Elective will require attendance at weekly tumor conferences at the West Cancer Center, morbidity and mortality conferences, and

weekly surgical grand rounds. There are generally 2 full days of clinic for the pre- and post-operative patient experience, and 2 to 2½ days in the OR for operative experience with in-patients at Methodist Hospitals Memphis or Baptist Memorial Hospital. This elective can be structured in one of two ways: 1) the student can be assigned to a specific surgical oncology faculty for the four weeks in a shadowing type capacity; or 2) be assigned to a specific hospital service for the four weeks as part of that surgical oncology team.

### **SUR1-4059/F RESEARCH IN SURGICAL AND TRANSPLANTATION IMMUNOLOGY**

Course Coordinator: Dr. James Eason

Location: Regional One Health

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 3.5 or 7 credit hours. Note: This elective can be half-time (SUR1-4059/H).**

Contact Ramona Pipkin at 901-448-5914 or [rpipkin@uthsc.edu](mailto:rpipkin@uthsc.edu) for instructions at least week before rotation begins.

The student will learn basic surgical immunology as it relates to trauma, nutrition, and transplantation. The student will select an area of particular interest in any of the surgical subspecialties and will be assigned a specific project which may involve literature and chart review as well as following specific patients who fall within this study group (EXAMPLE: A trauma patient who develops an infection, or a transplant patient who develops rejection). The student will be responsible for 2-4 patients per week. The student will follow with the faculty member those patients who are a part of the particular study group the student has selected. The student will be responsible for the review of the results of follow-up laboratory and radiological testing in the patient's overall postoperative course. One faculty member will supervise one student at all times. The student will attend four major Surgery Conferences plus the weekly Transplantation Conference on a routine basis during the month. The student will periodically attend the Immunology Conferences. After the student has selected a particular problem or area of interest, the student will: (1) Review literature concerning immunology background for this area, (2) Accumulate data on patients who fall within this study group, (3) Perform and review results of various testing modalities, and (4) Follow-up of patients including further chart review. This month should produce enough data, that with additional time and study, the student should be able to produce at least one publishable paper USUAL CALL SCHEDULE. Minimal weekday call, No weekend duty.

### **SUR1-4060/F CARDIOVASCULAR SURGERY**

Course Coordinator: Dr. Darryl Weiman

Contact Information: Ramona Pipkin, Program Coordinator for the Department of Surgery a week prior to start of your rotation @ 901-448-5914. If you are a visiting student from another institution, you must obtain a UT ID badge before beginning your rotation.

Approval Authorization required: No

Location: Regional One Health and VA Medical Center

Orientation location: VA Medical Center, 3rd floor, Department of Surgery

Size: 3

Overnight Call: None

Weekend Work: Morning rounds at 8:00am at the VA Medical Center

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Internal Medicine Clerkship

Pre-reading: None

Link: None

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

An intensive exposure to the total surgical management of the adult cardiac patient is offered. Emphasis is placed on adequate diagnostic measures and the available therapeutic modalities. CATH conference is held on Mondays at 3:30pm at the VA Medical Center. Pulmonary conference is held on Fridays at 8:00am in the Coleman Building.

This rotation requires students to undergo vetting under VA rules to include fingerprinting, an additional background check, and completion of training modules.

### **SUR1-4061/F VASCULAR SURGERY 4<sup>th</sup> YEAR ELECTIVE**

Course Coordinator: Michael J. Rohrer, MD

Contact Information: Ramona Pipkin, Program Coordinator for the Department of Surgery a week prior to start of your rotation @ [901-448-5914](tel:901-448-5914). If you are a visiting student from another institution, you must obtain a UT ID badge before beginning your rotation.

Approval Authorization required: Must have prior approval from Dr. Rohrer

Location: Methodist University Hospital

Orientation location: Please contact Dr. Rohrer at 901-448-8346

Size: 1

Overnight Call: Optional

Weekend Work: Yes

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Surgery Clerkship

Pre-reading: none required

Link: Syllabus will be provided at rotation start

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

Objectives:

- Students will gain experience in the diagnosis and management options for patients with peripheral arterial, venous, and lymphatic disorders.
- To become competent interpreting arteriograms
- To gain experience with the fundamental operations in Vascular Surgery including aortic reconstructions, distal arterial bypass grafting, and carotid reconstructions
- To gain experience with endovascular procedures and techniques and other skills necessary to succeed as a PGY1 General Surgery house officer

The student will participate in the care of patients in the Vascular Surgery Service.

The fourth year Medical Student will function similar to that of the PGY1 General Surgery Resident with the same level of supervision.

The student will attend Monday a.m. interesting case conference, Tuesday a.m. Vascular Surgery City Wide conference, and Thursday a.m. General Surgery/Vascular Surgery Journal Club.

Clinical responsibilities: Attending Rounds at 6:00 a.m. and working throughout the day on the Clinical Vascular Surgery Service. No on call responsibility is expected.

### **SUR1-4069/F VASCULAR SURGERY**

Course Coordinator: Dr. Edward Garrett

Contact Information: Ramona Pipkin, Program Coordinator for the Department of Surgery a week prior to start of your rotation @ 901-448-5914. Also, please contact Beverly Spain at 901-747-1249. If you are a visiting student from another institution, you must obtain a UT ID badge before beginning your rotation.

Approval Authorization required: Must have prior approval from Dr. Garrett.

Location: VA Medical Center and Baptist

Orientation location: 6029 Walnut Grove Rd, #Suite 401

Size: 1

Overnight Call: None

Weekend Work: One weekend a month

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Internal Medicine Clerkship

Pre-reading: None

Link: none

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The objectives for this course are the introduction to peripheral and endovascular surgery and interpretation of vascular labs. The student will perform diagnostic arteriogram and open exposure of common femoral artery. The student will act as first assistant on carotid surgeries and peripheral bypasses. The student will have some responsibility for 6-8 cases, 10 patients in the hospital as well as perform duties on an intern level in the ICU and the wards. The student will follow patients in clinics and assist in the OR. Direct supervisor of the student will be the vascular fellows and faculty. Tuesday 7 – 8 AM Vascular Conference and M & M, 3rd Thursday of month Journal Club. No nights, one weekend a month.

This rotation is only available to visiting students from schools that have an agreement

in place with Baptist Hospital's Medical Education Department for the student to be in the hospital.

### **SUR1-4070/F PEDIATRIC SURGERY**

Course Coordinator: Max Langham, M.D.

Contact Information: Ramona Pipkin, Program Coordinator for the Department of Surgery a week prior to start of your rotation @ 901-448-5914. If you are a visiting student from another institution, you must obtain a UT ID badge before beginning your rotation. Also contact Amber Stroupe, Program Coordinator for the Pediatric Surgery a week prior to start of your rotation @ 901-287-6300.

Approval Authorization required: Must have prior approval from Dr. Langham – contact Amber Stroupe 901-287-6300

Location: LeBonheur Children's Hospital

Orientation location: 49 N. Dunlap, 2nd Floor – Le Bonheur Faculty Office Building

Size: 1

Overnight Call: None

Weekend Work: Yes

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable unless family emergency

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: General Surgery Clerkship – 8 week rotation

Pre-reading: Pediatric SCORE – textbook Greenfield's Surgery: Scientific Principles and Practice, 5e

Micheal W. Mulholland, Keith D. Lillemor, Gerard M. Doherty, Ronald V. Maier, Diane M. Simeone, Gilbert R. Upchurch, Jr.

Chapter 106: The Pediatric Chest

Chapter 107: Pediatric Abdomen

Link: <http://uthsc.edu/surgery/pediatric/index.php>

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This clerkship offers 4<sup>th</sup> year students an advanced clinical experience in the surgical care of infants and children. The service is a busy general pediatric surgical service located at LeBonheur Children's Hospital, an urban 255 bed children's hospital. The

faculty consists of eight full-time board certified pediatric surgeons, with special expertise in the care of birth defects, minimally invasive surgery, pediatric trauma, and burns. Outpatient care of children with a broad range of surgical problems is provided through clinics held five days each week. The goal of this rotation is to improve diagnostic and technical skills of the students and help prepare students interested in pursuing careers in surgery or pediatrics.

### **SUR1-4101/F PEDIATRIC SURGICAL ONCOLOGY ELECTIVE**

Course Coordinator: Dr. Andrew Davidoff

Contact Information: Daphne Sanders 901-595-2704

Approval Authorization required: Must have prior approval from Dr. Davidoff

Location: St. Jude Children's Research Hospital

Orientation location: Department of Surgery offices, 2<sup>nd</sup> floor Kay Research and Care Center

Size: 1 Students total

Overnight Call: None

Weekend Work: Yes

Flexibility: None (4 full weeks expected)

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Surgery Clerkship

Pre-reading: none required

Link: Syllabus will be provided at rotation start

**This is a face to face clinical rotation offered in the spring, fall, and winter and receiving 7 credit hours.**

The purpose of this elective is to gain an understanding of the diagnosis, treatment and follow-up of the common solid tumors in children. Gain an appreciation of the pre-operative and post-operative management of children with various malignancies. The number of patients per week for whom the student will have some responsibility is 10-15. The student will assist with pre-operative work-ups, assist in the operating room and make pre & post-operative rounds. The student will be under supervision of attending surgeons. The level of expected supervision of students will be direct faculty and fellow contact. The student will attend the following conferences: 1) didactic pediatric surgical oncology conference 2) weekly solid tumor multidisciplinary conference 3) hematology/oncology grand rounds 4) tumor board 5) surgery management conference. Call schedule is flexible but the students will be seeing patients in outpatient and inpatient settings. The student will follow patients through operation and post-operatively. The student can assist in clinical research, if interested.



## **SUR1-4144/F SURGERY - PEDIATRIC CARDIAC SURGERY IN DEVELOPING COUNTRIES**

Course Coordinator: Dr. William M. Novick

Contact Information: Ramona Pipkin, Program Coordinator for the Department of Surgery a week prior to start of your rotation @ [901-448-5914](tel:901-448-5914). If you are a visiting student from another institution, you must obtain a UT ID badge before beginning your rotation.

Approval Authorization required: Must have prior approval from Dr. Novick

Location: Variable (see schedule)

Orientation location: 1750 Madison Ave, Suite 500

Size: 1

Overnight Call: Optional, student decision

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable unless emergency medical issue with family

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Internal Medicine Clerkship/or Core General Surgery Clerkship, and Core Pediatric Clerkship

Pre-reading: Sabiston Textbook of Surgery, Chapter on Congenital Heart Disease; Nelson's Textbook of Pediatrics, Section on Congenital Heart Disease.

Link: <https://uthsc.edu/pediatrics/cardiology/>

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

Brief Summary:

The objectives for this course are to provide the student with vertically integrated experience in pediatric cardiac care (diagnosis, pre-op care, anesthetic care, operative procedures, post-op ICU and ward care). The student will have the opportunity to study natural history of congenital heart defects and to experience medical care in developing countries. The student will have some responsibility for 10 to 15 patients per week. Student responsibilities will be to perform history and physical on all children, participate in children's echocardiographic evaluation, perform endotracheal intubation and insertion of I.V. line (peripheral), NG tubes, Foley catheters, (with direct attending supervision). Student will be responsible for morning and evening rounds on

ward patients and will participate in ICU rounds, assist in surgical procedures directly supervised by Dr. Novick. Clinical Research Projects are available. The student will attend 2 Cardiology/Cardiac Surgery pre-operative conferences at International site, 1 morbidity/mortality conference at international site.

**SUR9-4010/F VISITING ELECTIVE IN SURGERY**

Course Coordinator: Department Program Director

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course number is used by UTHSC students only for scheduling a visiting elective at another medical school for which credit is granted at UTHSC.

## DEPARTMENT OF PLASTIC SURGERY

### SUR1-4020/F PLASTIC SURGERY

Course Coordinator: Dr. Robert Wallace

Contact Information:

Coordinator: Elizabeth Sauve

Email: [esauve@uthsc.edu](mailto:esauve@uthsc.edu)

Phone: 901-448-1350

Approval Authorization required: Contact Coordinator for date approval

Location: Regional One Health/Methodist University Hospital

Orientation location: Regional One Health with Senior Resident

Size: 2 Students total

Overnight Call: Every 4<sup>th</sup> night 6pm to 6am

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for Interviews: Do not schedule elective during interview season
- Off cycle start and stop: Non Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All with Coordinator approval

Prerequisites: Must be in M4 year to qualify

Pre-reading: Essentials for Students in Plastic Surgery

Link: <http://uthsc.edu/plasticsurgery/>

**This is a face to face clinical rotation receiving 3.5 or 7 credit hours.**

The plastic surgery course is a surgical preceptorship with one or two faculty plastic surgeons. There is emphasis on basic plastic principles as well as trauma. The student will function in pre-operative and post-operative care and operative surgery as a member of the surgical team. The elective will emphasize increasing knowledge in the areas of plastic surgery history-taking, communication, monitoring, and synthesizing by working with faculty to provide plastic surgery services. Conferences will include 2 weekly plastic surgery conferences (Monday morning and Thursday evening).

### **SUR1-4021/F ELECTIVE IN BURNS**

Course Coordinator: Dr. William Hickerson

Contact Information:

Coordinator: Elizabeth Sauve

Email: [esauve@uthsc.edu](mailto:esauve@uthsc.edu)

Phone: 901-448-1350

Approval Authorization required: Contact Coordinator for date approval

Location: Firefighter's Regional Burn Center at Regional One Health

Orientation location: Regional One Health with Dr. Hickerson Turner Tower

Size: 2 Students total

Overnight Call: As assigned

Weekend Work: As assigned

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for Interviews: Do not schedule elective during interview season
- Off cycle start and stop: Non Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All with Coordinator approval

Prerequisites: Must be in M4 year to qualify

Pre-reading: Essentials for Students in Plastic Surgery

Link: <http://uthsc.edu/plasticsurgery/>

**This is a face to face clinical rotation receiving 3.5 or 7 credit hours.**

The Burn Elective is a surgical preceptorship in the Burn Center. The student will function as a "junior extern" to care for burn and wound patients in the ICU and stepdown unit. They will work side-by-side with the burn fellow and faculty. The student will participate not only in the preoperative care but also the intra- and post-operative care of these patients. The student will gain insight into the pathophysiology of burns, the fluid and electrolyte requirements, and the operative and post-operative care of these patients. The goal of the elective is to expose the student to wounds and burns and learn to diagnose the problem, formulate a plan of action, and assist with the care of these patients. The student will also develop an understanding of the team approach to the care of burn and wound patients.

## **DEPARTMENT OF UROLOGY**

### **URO1-3010/F UROLOGY JUNIOR INTERNSHIP**

Course Coordinator: Dr. Robert Wake

Contact Information: [ltomp25@uthsc.edu](mailto:ltomp25@uthsc.edu) 901-448-1010

Approval Authorization required: UTHSC Student - No; Visiting Student - prior approval from Dr. Wake

Location: VA, Regional One Health, Methodist University Hospital, Le Bonheur

Orientation location: Urology Administrative Office – 910 Madison, Room 410

Size: 3 Students total

Overnight Call: Yes

Weekend Work: Yes

Flexibility:

- Time off for Interviews: No
- Off cycle start and stop: Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: None

Pre-reading: None

Link: N/A

**This is a face to face clinical rotation receiving 7 credit hours.**

This clerkship will familiarize the interested student in basic urology exam, and with the diagnosis and treatment of common urologic problems like voiding dysfunction, erectile dysfunction, incontinence, prostate cancer, bladder cancer, kidney cancer, testicular and penile cancer, stone disease. The student will have some responsibility for 15-20 patients per week. Students will be directly involved in the diagnosis of planning the evaluation of common urology problems noted above. The student will be trained in minor GU procedures like Foley placement, cystoscopy and suprapubic tube placement. They will also serve as 1<sup>st</sup> or 2<sup>nd</sup> assistant in GU surgical procedures. The student will be supervised at all times by residents and/or faculty. The student will attend monthly journal club, Friday morning mandatory conferences including x-ray conference, M&M, pathology conference, basic science conference on research and weekly chairman's conference presented in an oral exam format for the residents. Call schedule consists of one weekend per month required, more if requested.

### **URO1-4021/F PEDIATRIC UROLOGY**

Course Coordinator: Dr. Dana Giel

Contact Information: [ltomp25@uthsc.edu](mailto:ltomp25@uthsc.edu) 901-448-1010

Approval Authorization required: UTHSC Student - No; Visiting Student - prior approval from Dr. Giel

Location: Le Bonheur

Orientation location: Pediatric Urology Administrative Office – 49 N. Dunlap, Suite 312

Size: 2 Students total

Overnight Call: No

Weekend Work: No

Flexibility:

- This elective can be half-time (URO-1-4021/H)
- Time off for Interviews: No
- Off cycle start and stop: Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: None

Pre-reading: None

Link: N/A

**This is a face to face clinical rotation receiving 3.5 or 7 credit hours.**

The pediatric urology elective deals with urologic problems that are unique to the pediatric population. Students will spend full time with the urology residents and pediatric urology attendings at LeBonheur Children's Hospital, participating in surgical cases and attending urology outpatient clinics as well. The student will attend mandatory monthly Thursday morning conferences, including Topics in Pediatric Urology Conference and Pediatric Urology/Nephrology/Radiology Multidisciplinary Conference, in addition to quarterly M&M Conference and Journal Club. This program is designed to acquaint students interested in urology with pediatric urologic diseases and surgeries.

### **URO9-4010/F VISITING ELECTIVE IN UROLOGY**

Course Coordinator: Department Chair

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course number is to be used by UTHSC students only for scheduling a visiting elective at another medical school for which credit is granted by UTHSC.



## College of Medicine Nashville

Scheduling for clerkships and electives at Nashville is handled as part of the scheduling process at Memphis. In addition, students should contact the Office of Student Affairs, The University of Tennessee Medical Center at Knoxville, 1924 Alcoa Highway, Knoxville, Tennessee 37920 (phone 865-305-9618) or the course coordinator to obtain specifics about housing and other personal matters.

Rotation	Course Director	Telephone
Emergency Medicine	Jason Rubino, DO	(615) 396-6449
Family Medicine	David McRay, MD	(615) 396-6458
Internal Medicine	Chris Trabue, MD	(615) 284-2522
Obstetrics/Gynecology	Georgia Ferrell, MD	(615) 396-6458
Surgery	K. Tyson Thomas, MD	(615) 396-6449

### Nashville Electives

Clinical training for medical students at the University of Tennessee College of Medicine Nashville is based primarily at Saint Thomas Health System. Saint Thomas Health houses Saint Thomas West Hospital (surgery), Saint Thomas Midtown Hospital (internal medicine and OB/GYN), and Saint Thomas Rutherford Hospital (emergency medicine and family medicine). The Saint Thomas Health facilities are licensed for 1510 beds and the Medical Staff has over 2142 physicians. The UT College of Medicine Nashville currently sponsors residency programs in: Emergency Medicine, Family Medicine, Internal Medicine, OB/GYN and Surgery.

UTHSC students who wish to schedule clerkships and electives in Nashville can do so through the regular scheduling process in Memphis. Senior, non-UT students desiring an elective rotation in Nashville must apply through the AAMC's VSAS system.

Parking is provided by the hospital at no cost to students. Please contact course coordinator for housing options.

### **EME4-4030/F Emergency Medicine**

Course Coordinator: Dr. Jason Rubino, Clerkship Director

Contact Information: Kim Palmiter /[Kimberly.palmiter@ascension.org](mailto:Kimberly.palmiter@ascension.org)

Approval Authorization required: None

Orientation location/time: EM Residency Office-Saint Thomas Rutherford Hospital (Seton Medical Office Building –Suite 403)/ 8: 30 AM

Size: 3 Students total

Overnight Call: None

Weekend Work: Yes- EM shifts around the clock and on weekends.

Flexibility:

- Half Block: No
- Time off for Interviews: Schedules are flexible
- Off cycle start and stop: Yes

Deadline for Cancellation: Thirty days before start of elective/rotation

Blocks offered: Not available in Blocks 5, 6, or 7

Prerequisites: Core Internal Medicine Clerkship, USMLE Score of 220 or above on Step 1 or Step 2

Pre-reading: None

Link: <http://comnashville.uthsc.edu/content/em-clerkships/>

**This is a face to face clinical rotation receiving 7 credit hours.**

The student will have the opportunity to assist in the evaluation and management of critically ill and injured patients under the direct supervision of core faculty from the Department of Emergency Medicine. The student will assist in procedures under the direct supervision of the attending physician. A total of 20 hours of didactic education is provided during the month and the student will be required to present an interesting case at the end of the rotation. A reading curriculum with exam at the end of the rotation is also in place. This elective is intended for motivated students interested in pursuing career in emergency medicine, and requires frequent overnight and weekend clinical responsibilities.

The student will work about 15 9.5-hour shifts over the course of the rotation. The student will have flexibility in choosing which days they will work, but is expected to choose a variety of different shift times and days.

**FME4-4011/F Family Medicine – Nashville**

Clerkship Director: Dr. David McRay

Course Coordinator: Melissa Poteet

Contact Information: [melissa.poteet@sth.org](mailto:melissa.poteet@sth.org) 615-396-6458

Approval Authorization required: No

Location: Saint Thomas Rutherford Hospital/UT Family Medical Center – Murfreesboro, TN

Orientation location: UT Family Medical Center, 1020 N. Highland Ave., Murfreesboro, TN. – Program Administrative Office 2<sup>nd</sup> floor

Size: 1 Student per rotation

Overnight Call: None

Weekend Work: Optional

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: None

Pre-reading: None

**This is a face to face clinical rotation receiving 7 credit hours.**

Medical students will have the opportunity to evaluate and diagnose patients under the direct supervision of our experienced Family Medicine attendings. The student will have some responsibility for a minimum of 15 patients per week with the opportunity to see many more based on skill and interest. There will be both inpatient and outpatient responsibilities. Students will participate in didactics throughout the month. This rotation is geared towards medical students who view Family Medicine as their probable career choice and are considering our residency. The student will participate in day call one day per week and may participate in weekend rounds/call if they so choose.

**MED4-3001/F Third Year Core Clerkship in Medicine – Nashville**

Course coordinator: Dr. Chris Trabue

Contact Information: [ctrabue@uthsc.edu](mailto:ctrabue@uthsc.edu) (615) 284-2522

Approval Authorization required: No

Location: Saint Thomas Midtown Hospital

Orientation location: Saint Thomas Midtown Hospital West Building, 1<sup>st</sup> floor Department of Medicine

Size: 4 Students total

Overnight Call: None

Weekend Work: Yes (1 weekend day/week)

Flexibility:

- Half Block: N/A
- Time off for Interviews: N/A
- Off cycle start and stop: N/A

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: N/A

Pre-reading: N/A

Link: <http://comnashville.uthsc.edu/content/im-clerkships/>

This is a face to face clinical rotation receiving 14 credit hours.

This clerkship provides an excellent opportunity for third year students to learn Internal Medicine on the wards of a large tertiary care private hospital with state of the art facilities and equipment. Students will spend one month in Nashville and one month in Memphis. The clinical experience is enriched by the high faculty-to-student ratio, an interactive lecture format, and a balanced clinical exposure to all areas of Internal Medicine. There is one third year student per team, thus ensuring individual learning opportunity. No overnight call is required as a night float system is in place.

## **MED4-3002/F Senior Clerkship in Medicine - Nashville**

Course coordinator: Dr. Chris Trabue

Contact Information: [ctrabue@uthsc.edu](mailto:ctrabue@uthsc.edu) (615) 284-2522

Approval Authorization required: No

Location: Saint Thomas Midtown Hospital

Orientation location: Saint Thomas Midtown Hospital West Building, 1st floor Department of Medicine

Size: 2 students total

Overnight Call: None

Weekend Work: Yes (1 weekend day/week)

Flexibility:

- Half Block: No
- Time off for Interviews: Negotiable
- Off cycle start and stop: No

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: MED4-3001/F

Pre-reading: N/A

Link: <http://comnashville.uthsc.edu/content/im-clerkships/>

This is a face to face clinical rotation receiving 7 credit hours.

This general internal medicine clerkship provides the student with a broad array of clinical problems in a large hospital setting. The student assumes responsibility for patient care under the supervision of a resident and an attending physician. The clerkship emphasizes bedside skills, differential diagnosis, cost effectiveness, ethics, and treatment. No overnight call is required as a night float system is in place.

### **MED4-4112/F Infectious Diseases - Nashville**

Course coordinator: Dr. Mark B. Carr

Contact Information: [mark.carr@sth.org](mailto:mark.carr@sth.org) (615) 284-2522

Approval Authorization required: Yes

Location: Saint Thomas Midtown Hospital

Orientation location: Saint Thomas Midtown Hospital West Building, 1st floor Department of Medicine

Size: 1 student total

Overnight Call: None

Weekend Work: No

Flexibility:

- Half Block: No
- Time off for Interviews: Negotiable
- Off cycle start and stop: No

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: MED4-3001/F

Pre-reading: N/A

Link: <http://comnashville.uthsc.edu/content/im-clerkships/>

This is a face to face clinical rotation receiving 7 credit hours.

This elective at St. Thomas Midtown (formerly Baptist Hospital) in Nashville offers a wide range of clinical infectious disease problems in a large tertiary care setting. The student will make daily inpatient and outpatient rounds with full-time faculty members in infectious diseases. The rotation provides one-on-one teaching with a comprehensive review of infectious disease medicine through patient evaluations and regular lectures. There is no weekend or night call.

### **OBG4-3010/F JI ANY -OB/GYN**

Clerkship Director: Dr. Georgia Ferrell

Course Coordinator: Pamela Underwood (T 615-284-3291); E [Pamela.Underwood@sth.org](mailto:Pamela.Underwood@sth.org)

Location: Saint Thomas Midtown Hospital

Size: 1 student each rotation

Approval Authorization required: No

Location: Saint Thomas Midtown Hospital

Orientation location: Labor and Delivery, 3<sup>rd</sup> floor main hospital desk

Size: 1 Student each rotation

Overnight Call: Night call will be determined on a weekly basis with the plan to optimize the student's availability for deliveries.

Weekend Work: Option for interested students

Flexibility:

- Half Block: Not offered
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: **Blocks 7, 8, 9, 10, 11, 12**

Prerequisites: None

Pre-reading: None – reading will be assigned on Day 1 of the rotation.

Link:

This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.

**Note: Available starting in Block 7 through the end of the year**

The student will be expected to be involved in all aspects of patient care from admission to discharge including involvement in any necessary procedures. The student will also be required to become proficient in the medical records, documenting patient encounters in a timely manner. The student will have some responsibility for a minimum of 20 patients per week with the opportunity to see many more based on skill and interest level. There will be daily teaching rounds on Labor and Delivery for board sign-out. The student will also be expected to attend obstetrical simulation conference prior to completion of the rotation. The student will also attend the monthly meeting of the hospital perinatal committee.

The call schedule will be 6:30AM-7PM Monday through Friday with the option of weekend call for interested students. Night call will be determined on a weekly basis with the plan to optimize student's availability for deliveries.

#### **SUR4-4010/F – GENERAL SURGERY ELECTIVE – NASHVILLE**

Course Coordinator: Dr. K. Tyson Thomas

Contact Information: Alyssa Miller: Surgery Program Coordinator, 615-222-4070, [Alyssa.Miller@sth.org](mailto:Alyssa.Miller@sth.org)

Approval Authorization required: no

Location: Saint Thomas West Hospital, Nashville, TN

Orientation location/time: Saint Thomas West Hospital, The Surgical Clinic, 8:00AM Monday

Size: 2 students each rotation

Overnight Call: at least one day per week

Weekend Work: It is suggested that students take a regularly scheduled call that mirrors that of the residents, including occasional weekend work.

Flexibility:

- Half Block: no half blocks allowed
- Time off for Interviews: Negotiable thirty days prior to start of elective (Note: students are not allowed time off during required clerkships.)
- Off cycle start and stop: Negotiable

Deadline for Cancellation: Thirty days before start of elective/rotation

Blocks offered: Available starting Block 8 through the end of the year

Prerequisites: none

Pre-reading: none

Link: <http://comnashville.uthsc.edu/content/gs-clerkships/>

**This is a face to face clinical rotation receiving 7 credit hours.**

Students will spend a week at a time working closely with individual surgeons, while participating as members of the house officer team. Students will participate 1–2 days in clinic, depending on the attending and OR time. They will have some responsibility for a minimum of 15 patients/ week, with opportunities to see more based on their skill and interest level.

Students will have full responsibility for patient care with supervision. Direct supervision will be required for all hospital encounters and procedures. Indirect supervision with direct supervision immediately available will be provided for hospital or clinic encounters with the expectation that the students will report assessment of the patient and proposed plan to the attending physician or resident.

There will be daily morning rounds, weekly Morbidity & Mortality, Surgical Education Conference, and Tumor Board, bi-monthly Basic Science Conference and Skills/Sim Lab Sessions, and monthly Vascular Conference and Breast Conference.





## **KNOXVILLE ELECTIVES**

### **DEPARTMENT OF ANESTHESIOLOGY**

#### **ANE2-4010/F CLINICAL ANESTHESIOLOGY - KNOX**

Course Coordinator: Audie Smith, MD

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 3 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective provides an opportunity to experience the many facets of the practice of anesthesiology while emphasizing the role of the anesthesiologist as a perioperative physician. The main focus of the rotation is centered on supervised practical experience in the administration of intravenous, inhaled and regional anesthesia. Exposure to the anesthesiologist's role in critical care medicine, acute and chronic pain management, obstetrical anesthesia and pre-operative evaluation is also provided. During the rotation, medical students will have multiple opportunities to improve clinical skills in airway management, central venous and arterial cannulation.

### **DEPARTMENT OF EMERGENCY MEDICINE**

#### **EME2-4030/F EMERGENCY MEDICINE – KNOX**

Course Coordinator: Leo Lamsen, M.D.

Location: University of Tennessee Medical Center

Max. Class Size: 2 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

Students participating in this elective will become acquainted with the diverse medical, surgical, and pediatric cases routinely treated in a busy Emergency Department. This Level I Adult and Pediatric Trauma Center treats approximately 70,000 patients per year and serves as the EMS and air-ambulance control for the area. Students will be encouraged to be involved in the care of acutely ill patients. This rotation allows the student the opportunity for a variety of different procedures. Students will be supervised at all times by an attending staff physician with an excellent opportunity for learning as they participate in patient care. All cases will be reviewed with faculty prior to treatment and final disposition.

## **DEPARTMENT OF FAMILY MEDICINE**

### **FME2-3010/F JI ANY - FAMILY PRACTICE PRECEPTORSHIP – KNOX**

Course Coordinator: M. David Stockton, M.D., M.P.H.

Location: University of Tennessee Medical Center

Max. Class Size: 2 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

Medical students at the M4 level may negotiate their learning activities with the course coordinator, as MANY options are available. Here is just one choice (traditional): University Family Practice (UFP), adjacent to the University of Tennessee Medical Center in Knoxville, is a 30 year old family medicine practice staffed by residents and faculty. Students provide patient care for a patient population that is diverse and challenging in their health care needs under the direct supervision of family medicine residents and faculty. Various procedures are performed in the office including colposcopy, LEEP, OB ultrasound, minor surgery, “no-scalpel” vasectomy, and others. Students may assist on procedures under direct faculty supervision. Students are also integrated into the UFP Inpatient Team, admitting and managing University of Tennessee Medical Center inpatients. Patient care activities with family physicians at the Community Free Clinic and West Hills Nursing Home round out the learning experience. The student’s clinical interests are definitely integrated into the curriculum of their elective. Rotation sites in the local or adjacent rural area with a board certified family physician in our area will be considered for approval.

## **DEPARTMENT OF MEDICINE**

### **MED2-3002/F REQUIRED MEDICINE CLERKSHIP (JUNIOR INTERNSHIP)-KNOX**

Course Coordinator: Janet L. Purkey, M.D.

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 3 Students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

Students develop skills of patient evaluation, daily management, and discharge planning on hospitalized patients with a wide variety of pathology. Work as part of a team consisting of a resident and interns with attending supervision. The JI works most closely with the upper level resident providing the mainstay of care for their assigned patients. Opportunity is provided to perform procedures such as thoracentesis, lumbar puncture, paracentesis, etc. as the need arises. Students also find time to gain teaching credits by working with third year students in the Simulation Lab.

### **MED2-3201/F REQUIRED GERIATRICS/PALLIATIVE ROTATION-KNOX**

Course Coordinator: Janet L. Purkey, M.D.

Location: University of Tennessee Medical Center (Knoxville)

Maximum Class Size: 4

**Offered in Blocks 6, 8, 10, 12, 2 and 4**

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours**

### **SPE2-3001/F SPECIALTY CLERKSHIP - KNOX**

Course Coordinator: Janet Purkey, M.D.

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 4 Students

**Note: Not offered in Blocks 6, 12 and 1**

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

SPECIALTY CLERKSHIP will be offered four times per year. The fourth year student is required to spend one week on the "Palliative" service which involves seeing patients with the Hospice/Palliative Nurses through Home Health. Students also spend time with the chaplains and the Palliative Physician. The other weeks are to include anesthesia, ICU and Radiology, however, if a student is going into any of these areas or rotating a full block in these areas, they may request one week of Pathology where the student spends one day in each area of the Pathology Department. We are able to accommodate other paths of diversity if requested early enough. This is a PASS/FAIL rotation. Attendance is required.

### **BIO2-4011/F MEDICAL GENETICS-KNOX**

Course Coordinators: Drs. Karla Matteson and Ilse Anderson

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 2 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

**(Course is not offered in Blocks 3, 7 and 8)**

This elective course combines clinical experience in the evaluation of genetic disorders with basic understanding of medical genetics. The clinical experience involves assisting in obtaining family pedigree, physical examinations of patients, investigative tests, differential diagnosis and genetic counseling. The course includes a rotation through the Cytogenetics Laboratory and the Biochemical and Molecular Genetic Laboratory with emphasis on the application of new cytogenetics and molecular genetic discoveries to clinical genetic practice. The topics to be discussed are: 1) Clinical case reports; 2) Disorders of inborn errors of metabolism; 3) Chromosomal syndromes (cytogenetic, molecular cytogenetic diagnosis, and comparative hybridization arrays) and 4) Molecular diagnosis. A short presentation on a case of interest is required.

**MED2-3010/F – VISITING SENIOR CLERKSHIP IN MEDICINE-KNOX (Visiting Elective Only)**

Course Coordinator: Dr. Janet L. Purkey

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 1 student

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.** This clinical elective in internal medicine affords the visiting medical student opportunity to develop advanced skills in comprehensive patient evaluation and management under daily supervision of medical faculty through the care of patients admitted to the housestaff service at UTMCK.

**MED2-3030/F JI ANY - CRITICAL CARE INTERNAL MEDICINE-KNOX**

Course Coordinator: Dr. Paul Branca

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 2 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The objective of this course is to learn about pathophysiology, the appropriate diagnostic process, and the best management techniques for common medical problems and acute medical emergencies in the Critical Care Internal Medicine setting. Our goals include learning the technical and interpretative skills of common procedures performed in a Medical ICU (ventilator management, arterial lines, Swan'Ganz catheters, etc.) The student will be expected to be the primary care provider for one or two critically ill patients under the supervision of an upper level medicine resident and critical care attending. The student will perform the admission history and physical examination and write the admission orders (under the supervision of the upper level resident). In addition, the student will present the patient on rounds in a problem and organ-oriented fashion. Daily orders will be written by the student on management rounds with the critical care attending. The student will also write problem-orientated daily notes and will be responsible for seeing that therapeutic plans are carried out.

**MED2-4060/F CLINICAL CARDIOLOGY-KNOX**

Course Coordinators: Drs. James Cox and Stuart Bresee

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 2 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This is a clinical elective offering the student an intensive experience in clinical cardiology under a single preceptor cardiologist for a four to five week period of time. During that time, the student will evaluate and follow a number of the cardiologist's patients, participate in their care, and accompany them to the cardiovascular laboratory and cardiac surgery as indicated.

Students will attend cardiology conferences, twice-weekly teaching rounds, weekly EKG teaching sessions and review a prepared sampling of the literature. Other literature reviews will be suggested as clinical material warrants.

### **MED2-4070/F CLINICAL ENDOCRINOLOGY-KNOX**

**(NOT AVAILABLE IN BLOCKS 7, 8 OR 12)**

Course Coordinator: Bill Law, Jr. M.D., FACE/FACP, Chief, Section of Endocrinology

Location: University of Tennessee Medical Center; clinical experience occurs in the private office of Endocrinology Consultants of East Tennessee, located 5 miles from University of Tennessee Medical Center

Max. Class Size: 1 student

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

**(REQUIRES ADVANCED REGISTRATION)**

***Advance registration required - students must call Knoxville Student Affairs at least 3 blocks prior to registering.***

This elective is designed to provide an opportunity for students to observe the outpatient evaluation and management of patients with a wide variety of endocrine disorders, including thyroid and parathyroid disease, osteoporosis, multiple endocrine neoplasia, pituitary disorders, etc. Students will work under the direct supervision of nine BC practicing clinical endocrinologists. Students can observe patients undergoing thyroid ultrasounds, U/S-guided fine needle biopsies of thyroid nodules, radioactive iodine therapies, and bone density testing. Additional experience in evaluation and intensive outpatient management of diabetic patients using insulin pumps, continuous glucose sensing, and multiple daily injection regimens will be incorporated through time spent with several specialized physician extenders and Certified Diabetes Educators in our office.

### **MED2-4080/F CLINICAL GASTROENTEROLOGY-KNOX**

Course Coordinator: Dr. Thomas Young

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 2 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective is designed to acquaint the student with the clinical approach to the patient presenting with a GI illness including a pertinent history and physical, intelligent selection of laboratory, x-ray, and endoscopic studies to the ultimate culmination of diagnosis. Clinical management of the patient and therapy will be emphasized.

### **MED2-4100/F HEMATOLOGY - CLINICAL AND RESEARCH-KNOX**

Course Coordinator: Dr. Wahid T. Hanna

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 1 student

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective introduces the student to disease of the hematopoietic system/Oncology, their diagnosis and management by combining clinical experience and introduction to relevant research in hematology oncology. Students will spend part of their time on the clinical service and part in clinical trials.

### **MED2-4110/F INFECTIOUS DISEASES CLINICAL BLOCK-KNOX**

Course Coordinator: Drs. Russell Smith, John Narro and Mark Rasnake

Location: University of Tennessee Medical Center

Max. Class Size: 1 student

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective will be to teach the student how to be an effective consultant and assist the student in improving his/her knowledge of infectious diseases. Upgrade the student's knowledge regarding the use of antimicrobial agents, and improve the student's understanding of the diagnosis and management of commonly encountered infectious diseases with attention to the use of the history and readily available laboratory tests. The student will be responsible for >5 new patients workups per week. Attending rounds will be held at least 5 days per week. At attending rounds the student will present his/her new patients to the attending physician. At the time of presentation the student should also have formulated an assessment and plan. The student will see new patients, make daily rounds on his/her old patients and be present at attending physician rounds. He/she will be responsible for a daily update of his/her patients to the attending. Faculty and residents will review patient assessments and plans of therapy. Students will participate in the outpatient clinics for HIV, TB, and STD's at the Knox County Health Department. Each student is given assigned reading materials.

### **MED2-4130/F CLINICAL PULMONARY DISEASE-KNOX**

Course Coordinator: Tina Dudney, M.D.

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 2 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This is a clinical preceptorial type elective in pulmonary disease. The student will have opportunity to evaluate, follow, and participate in the management of patients in the office and when admitted to the University of

Tennessee Memorial Hospital by the faculty of the Knoxville Pulmonary Group. In addition to improving clinical skills in history taking and physical examination, the student will have an intensive experience in the application and interpretation of blood gases, pulmonary function testing, radiologic study, and other diagnostic modalities in medical chest diseases. Lectures on Pulmonology topics will be available.

### **MED2-4140/F CLINICAL RHEUMATOLOGY -KNOX**

Course Coordinator: Dr. Gary Klipple

Location: University of Tennessee Medical Center (Knoxville)

Max.Class Size: 2 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

Medical clerks in their senior year may elect a one or two month rotation in University Rheumatology. The purpose of this elective is to develop an approach to the assessment and management of articular diseases such as osteoarthritis or rheumatoid arthritis and of systemic rheumatic disease such as systemic lupus erythematosus. This includes an understanding of and proficiency in the musculoskeletal exam.

The format of this rotation is that of a clinical preceptorship. Students will have the opportunity to evaluate, present, discuss, document and participate in the management of private patients in the office setting and hospital consults. In these activities students work one on one with experienced faculty.

Teaching will include brief clinical lectures, case discussions, musculoskeletal x-ray reviews and demonstration of routine joint procedures such as aspiration and injection. At the beginning of the rotation, students will be given the 700 page *Primer on the Rheumatic Diseases* with suggested reading selections. In addition, students will participate in the Department of Medicine conference schedule including noon didactic lectures.

## **DEPARTMENT OF OBSTETRICS AND GYNECOLOGY**



### **OBG2-3010/F JI ANY - SENIOR CLERKSHIP IN OBSTETRICS - KNOX**

Course Coordinator: Dr. Bobby Howard

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 1 student

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This clerkship in obstetrics allows the senior medical student to attend all obstetrical clinics, including high risk clinics. During this time the student will work closely with a senior resident or staff member to gain greater insight into the management of difficult obstetrical problems. On non-clinic days and while on call, the student will participate by assisting in labor and delivery activities such as spontaneous vaginal deliveries, forcep deliveries, postpartum tubal ligations and cesarean sections. Attendance at the resident didactic series will be expected.

### **OBG2-4011/F HIGH RISK OBSTETRICS-KNOX**

Course Coordinator: Dr. Bobby Howard

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 1 Student

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The purpose of this elective is to help the student gain greater insight into Maternal-Fetal Medicine. Emphasis is on management of medical complications and fetal ultrasound. Close faculty contact provides exposure to the most recent advances in detection, prevention, and treatment of premature labor; the latest techniques in intrapartum management, and newest imaging techniques. Students performance of procedures will be directly supervised by residents or faculty. Each day the student will participate in daily antepartum rounds and weekly OB conferences. Grand rounds will be each Friday.

### **OBG2-4020/F GYNECOLOGIC ONCOLOGY-KNOX**

Course Coordinator: Dr. Larry Kilgore

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 1 student

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The purpose of this elective is to provide the student contemplating a career in Obstetrics and Gynecology the opportunity to gain greater insight into the specialty with an emphasis on gynecologic oncology. Close faculty contact provides exposure to the most recent advances in detection, prevention, and treatment of gynecologic cancers. Students will gain experience in surgical and medical management of gynecologic cancer. Students will spend time in the operating room, colposcopy clinic, and the private office setting for gynecological oncology patients.

## Department of Oral and Maxillofacial Surgery

### **SUR2-4011/F ORAL AND MAXILLOFACIAL SURGERY**

Course Coordinator: Dr. Eric R. Carlson

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 1 student

Note: This elective can be half-time (SUR2-4011/H).

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The student will learn about the surgical management of oral and head and neck pathology and the correction of congenital and traumatic deformities. Acute trauma care is a major component of this service. The student will have some responsibility for inpatient care each week. Students will have the opportunity to perform minor procedures in the clinic, as well as the emergency room. Operating room activity is encouraged. All activities are supervised by the chief resident and attending. Management decisions are made only after being discussed with the resident and attending. A minimum of four (4) conferences occurs each week. Grand rounds occur on Monday and Friday mornings, and didactic lectures occur on Tuesday and Thursday mornings. The enthusiastic student will be encouraged to take first call with the resident. On-call activities will be predominantly related to management of maxillofacial trauma patients.

## DEPARTMENT OF PATHOLOGY

### **PAT2-4010/F GENERAL PATHOLOGY - KNOX *(Not available in Blocks 7, 8 or 12)***

Course Coordinator: Dr. Lisa Duncan

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 1 Student

**(REQUIRES ADVANCE APPROVAL)**

***Advance registration – Students must call Knoxville Student Affairs at least 3 blocks prior to registering***

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The goal of the General Pathology Elective course is to provide an overview of the function of Anatomical Pathology (AP) and Clinical Pathology (CP) within the Department of Pathology at the University of Tennessee Medical Center.

The objectives for this course are to understand the function of the pathology “gross” room, understand the Surgical Pathology “sign-out” procedure, understand the basic elements of autopsy performance, learn to order and interpret laboratory tests for common clinical situations, gain an understanding of the operation of the major sections of a modern clinical laboratory and understand the role of pathology/ pathologists participation in the medical center.

Students will participate in regular teaching activities of the Pathology Department including daily lectures, demonstrations, and conferences. Specific conferences the students will attend are: Anatomic Pathology, Oncology Conference, Pulmonary Conference, Breast Conference, Quality Assurance Conference and GU Conference. Students will learn the role of the pathologist in patient care by observing procedures such as FNAs, bone marrows, frozen sections, processing surgical specimens, and autopsies. At the beginning of the rotation, a customized schedule will be made for the student, and time will be allotted for study in the following major subdivisions of pathology: Surgical Pathology Autopsy Pathology, Clinical Chemistry, Hematopathology, Blood Banking, Microbiology, and Cytology.

Upon conclusion of the elective, the student will have an understanding of the practice of pathology in a university medical center.

**PAT2-4013/F FORENSIC SCIENCE/AUTOPSY (Not offered in Blocks 7 or 12)**

Course Coordinator: Christopher Lochmuller, M.D.

Location: Regional Forensic Center, 2761 Sullins Street, Knoxville, TN 37919 (ph: 865-215-8000)

Max. Class Size: 1 student

**(REQUIRES ADVANCE APPROVAL)**

***Advance registration – Students must call Knoxville Student Affairs at least 3 blocks prior to registering***

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective is intended for any student who is interested in forensic pathology. The forensic autopsy is the focus from which evaluation of mechanisms of injury or illness and cause of death are determined. This information combined with the forensic investigation report (and any other sources of information, i.e. medical records, toxicology, etc.) is utilized to determine the manner of death. Opinions drawn from medical observations will be reviewed in light of their legal significance. Opportunities to observe and perform forensic, as well as hospital autopsies, will be mixed with an introduction to legal consultation and testimony.

The student will demonstrate an understanding of the basic distinctions between hospital and forensic autopsies. They will participate in autopsy procedure as an observer/assistant and (as appropriate), a prosector. The students will be instructed how to properly complete an autopsy report and death certificate. They will be responsible for clinical information correlation report synthesis. They will maintain respect for, and ensure confidentiality with respect to, the personal medical information of the decedent and his/her family. Additionally, the student will maintain proper conduct with law enforcement and laboratory staff.

Although the student will participate in autopsy dissection, this will always be done with a faculty member and often with a resident in Pathology to ensure direct one-on-one supervision. The student will attend an average of five conferences per week, in anatomic and clinical pathology. There will be no night or weekend call.

## **DEPARTMENT OF RADIOLOGY**

### **RAD2-4010/F DIAGNOSTIC RADIOLOGY-KNOX**

Course Coordinator: Dr. Anton Allen

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 2 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The student electing diagnostic radiology at The University of Tennessee Medical Center will observe radiology staff and residents performing daily radiographic work, advanced cross-sectional and nuclear imaging, fluoroscopic GI-GU procedures, and special procedures. The student will attend daily teaching rounds and work conferences. There are opportunities for oral presentations and other academic projects. The elective's main goals are to educate the student regarding: (1) the broad spectrum of diagnostic imaging used in modern patient care, (2) the critical role radiologist-clinician communication plays in management (and mismanagement) of patients, (3) the imaging test-of-choice for most clinical problems, (4) radiological radiation, safety and cost issues, (5) what their patient experiences when they order various radiological procedures and tests, and (6) some basic ("viewbox") imaging normal and abnormal.

## **DEPARTMENT OF SURGERY**

### **SUR2-3002/F REQUIRED SURGERY SPECIALTIES-KNOX**

Course Coordinator: Alex Cantafio, M.D.

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 4 Students

**NOTE: NOT OFFERED IN BLOCKS 1, 6 & 12**

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This clerkship exposes the student to the Surgery Specialties of Orthopaedics, Ophthalmology, Otolaryngology and Urology, with one week spent in each discipline. The course will be graded as Pass/Fail and is offered in all blocks.

### **SUR2-3010/F JI ANY - CLERKSHIP IN ADVANCED GENERAL SURGERY - KNOX**

Course Coordinator: Matthew Mancini, M.D.

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 2 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This clerkship offers the students an advanced clinical role in patient care including pre-operative evaluation, operative treatment and post-operative care under direct faculty supervision. It includes significant outpatient experience with one-on-one faculty involvement, evaluation of patients presenting with emergency conditions, and participation in advanced laparoscopic techniques. IV, EKG, and laboratory teams preclude the need for paramedical services by students, but students are expected to perform invasive monitoring and treatment procedures. Participation in resident conferences and rounds with house staff and faculty are expected.

### **SUR2-3020/F JI ANY - VASCULAR SURGERY-KNOX**

Course Coordinator: Dr. Michael Freeman

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 2 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This clerkship will allow students to learn the diagnosis, evaluation, and medical management as well as surgical and endovascular treatment options for patients suffering from peripheral vascular diseases. They will develop the familiarity with the noninvasive vascular laboratory and participate in all aspects of patient care for patients on the vascular service assigned. Students will participate in both open surgical and endovascular treatment of patients on the vascular service. Under supervision of the attending surgeon and surgical resident, the student will also be involved in writing notes and orders, performing history and physical, instituting care, making diagnosis, evaluating problems, plan therapy and seeing consultations. There will be one formal vascular conference per week in addition to the conferences regularly held in the Department of Surgery.

### **SUR2-3030/F JI ANY - TRAUMA SURGERY - KNOX**

Course Coordinators: Dr. Brian J. Daley

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 2 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

Clinical performance at the level of a PGY1 and responses to Socratic questioning form the basis for evaluation. All six core competencies are assessed through daily and call interactions with the faculty.

The objectives of this senior clerkship are for the student to learn how to evaluate and treat the acutely injured patient. Each student will manage patients during resuscitation and evaluation phase. They follow patients and coordinate care through initial treatment to their rehabilitation from acute injury. The students will be expected to assume primary control of a limited number of patients and will be responsible for working with their resident and faculty advisors to come up with appropriate treatment and plans. Students are also expected to see these patients during outpatient visits in the Trauma Clinic. Students must attend all conferences regularly held in the Division of Trauma/Department of Surgery and actively participate in discussion and lectures. Students are expected to take night call, but may set their own schedules for this.

### **SUR2-3031/F JI ANY - SURGICAL CRITICAL CARE-KNOX**

Course Coordinator: Dr. Todd Nickloes

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 2 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The student will learn how to manage the critically ill and injured surgical patient (both pre- and post-operatively). In addition, they will learn how to use invasive hemodynamic monitoring and manage other support systems, such as ventilators, while dealing with multisystem failure and interacting with families of critically ill patients. The students will be expected to assume primary control of 1 or 2 critically ill patients during their shifts. They will perform admission history and physicals, write daily notes and orders, interact with the primary service and consulting services to help make diagnoses, evaluate problems and plan therapy. They will also see that the therapeutic plan is carried out. All of this will be done under the direction of residents who are assigned to the Critical Care Service, the Critical Care Fellow, and the attending physicians of both the Critical Care Service and the primary service. Students will be closely supervised by residents who are assigned to the Critical Care Service 24 hours a day, as well as the Critical Care Fellow and Faculty who are available 24 hours a day. They will also be supervised by the residents and faculty of the patient's primary service. Rounds with the attendings and residents are conducted at least twice daily. Critical Care Conferences to discuss management of critical care problems are conducted 2-3 times per week. In addition, there are daily Critical Care Service rounds, as well as the other conferences of the Department of Surgery, which include grand rounds, M & M conference, and x-ray conferences.

### **SUR2-3040/F JI ANY - SENIOR CLERKSHIP IN SURGICAL ONCOLOGY - KNOX**

Course Coordinators: Dr. James Lewis

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 2 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

\* Broad exposure to the diagnosis, evaluation, and multimodal treatment approach to a variety of cancers

\* Intensive exposure to both the outpatient and inpatient management of patients with malignant disease.

- \* Outpatient: responsible for performing history and physical examinations on patients with newly diagnosed malignancies; analyzing treatment options for both new and returning patients.
- \* Inpatient: daily rounds under the supervision of the resident and attending staff, write progress notes, and assist in surgical procedures.
- \* Attend the weekly conferences of the Department of Surgery, and participate in the weekly Multidisciplinary Tumor and Breast Disease Diagnosis and Management Conferences.
- \* Weekly didactic session with a faculty proctor to guide the student's literature review of a particular topic in surgical oncology.
- \* Students' presentation of the review topic to the members of the surgical oncology division.
- \* One or two days may be spent with a faculty proctor in Radiation Therapy or Medical Oncology to allow the student an opportunity to understand more fully the concept of multidisciplinary cancer care from each disciplines perspective.

Objectives of Clerkship:

- \* Improved understanding of cancer biology, surgical treatment approaches to both primary and recurrent cancer.
- \* Improved understanding of the integration of other treatment modalities in the overall management of malignant diseases.

**SUR2-4018/F Transplant Elective**

Course Coordinator: Dr. Alex Cantafio

Location: University of Tennessee Medical Center

Max. Class Size: 2 students

The students will become familiar with the care and management of Kidney and pancreas transplant recipient, living kidney donors and patients with end stage renal disease. The students will have some responsibility for 3 to 6 patients per week. The level of responsibility students will have for patient care will be to function as a junior intern in care and management of transplant patients to facilitate flow of patients in the hospital and clinic as well as participate in surgical procedures at a level commiserate with skill and experience. The students will receive direct supervision by attending surgeon and PGY2 resident. The student will attend selection committee to discuss donor and recipient candidates, morbidity and mortality conference, general surgery grand rounds, and optional participation in GI tumor service. For non-patient care the typical procedure and activities the students will perform will be kidney transplant and

vascular access. No in-house, overnight call. One weekend day rounds every other week.

### **SUR2-4024/F ADVANCED LAPAROSCOPIC SURGERY - KNOX**

Course Coordinator: Dr. Gregory J. Mancini

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 3 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The students will learn the fundamentals of Advanced Surgical Technologies, optics, energy sources and staplers. The students will learn the basics of Laparoscopic physiology and anatomy. They will gain exposure to Laparoscopic simulator and dry lab skills experience. The students will see 3 to 10 patients per week. The students will work with residents and faculty to care for patients. They will make daily rounds, attend operative cases and evaluate patients in the clinic for pre- and post-operative care. Students are expected to work as an integral surgical team member during the rotation. Students will receive a high level of supervision from residents, faculty on the wards, in the OR, and in the clinic. Students will have a weekly lecture given by the participating (4 total lectures) faculty. Subjects will focus on advanced laparoscopic techniques, anatomy and physiology. This rotation/elective is a "patient care" elective. Additionally students will be given access Laparoscopic Laboratory facilities and will be provided with faculty teaching to learn basic Laparoscopic operative skills. Call will not be required for participation in this rotation.

### **SUR2-4150/F INTRODUCTION TO PHYSICAL MEDICINE & REHABILITATION**

Course Coordinators: Drs. Jeffrey S. Hecht

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 1 student

Note: This elective can be half-time (SUR2-4150/H)

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

Students who complete this rotation have expanded their knowledge of the musculoskeletal system and the central and peripheral nervous systems. Students will develop a beginning level of competence in management of patients with disability through exposure to an academic rehabilitation practice. This will include rehabilitative history, examination, and exposure to rehabilitation in several settings. Students will develop skills in management of complex wounds. The students will have some responsibility for about 4-6 patients per week. By the latter part of the rotation, students will examine patients, take a rehabilitative history, and work with the attending physiatrist to develop a rehabilitative plan. They will be able to follow their patients through therapy in the inpatient setting. Students will monitor their patients and directly report to the attending physician. Students will work closely with the attending faculty. The settings are University Hospital



for Consultations, the outpatient UT Wound Center, an acute Inpatient Rehabilitation Center, and a Skilled Nursing Facility with a Rehabilitation unit. The attending physiatrist is a member of the Surgery department and attends Surgery Grand Rounds on Thursdays. The students will not be on call during this rotation. Students will have weekends free to study and enjoy the Knoxville area.

Interested students are asked to contact Dr. Hecht at least a week in advance by text or call to 865-209-6089 to make arrangements regarding where to meet and what to read.

### **NSG2-4010/F NEUROSURGERY-KNOX**

Course Coordinator: Dr. James Killeffer

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 1 student

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The student will serve under the preceptorship of the faculty at The University of Tennessee Memorial Hospital and will become familiar with cranial and spinal trauma, tumors, congenital malformations, vascular disease, and benign spinal disease. The student will scrub and assist the staff with operative procedures, participate in peri-operative care, and will become familiar with neuroanatomical basis of diagnosis and treatment.

### **ORS2-4010/F ORTHOPAEDIC SURGERY-KNOX**

Course Coordinator: Dr. Scott Smith

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 1 student

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

Serving the tenure on orthopedics, the student will attend several weekly orthopedic conferences of varying types as well as attend the general orthopedics and fracture clinics at the UTRMH. Rotation in the office of an attending staff with participation in patient care will be required during the clerkship. The student will be given the opportunity to develop diagnostic skills and participate in active treatment of patients, including case application, manipulation of simple fractures, attending surgery and helping with post-op cases.

### **SUR2-4020/F PLASTIC SURGERY-KNOX**

Course Coordinator: Dr. Joseph Chun

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 2 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The Plastic Surgery Elective rotation is open to any 4<sup>th</sup> year student who is interested in pursuing a career in this specialty, or who would like to polish their surgical skills in preparation for a residency in another area. The student will be exposed to a wide variety of problems including facial trauma, head and neck reconstruction, breast surgery of all types, extremity trauma and body contouring procedures. We expect the student to function at a high level, and perform the duties of a 1<sup>st</sup> year resident. There will be close and intense supervision, and the student will work with our entire full-time faculty. This will be an energetic, stimulating, fun and educational surgical experience.

### **SUR2-4070/F PEDIATRIC SURGERY-KNOX**

Course Coordinator: Dr. Glaze Vaughan

Location: UTMC-K and East TN Children's Hospital

Max. Class Size: 1 student

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The student will be an integral part of the Pediatric Surgical Team and will learn to evaluate and manage pre- and post-operative pediatric surgical patients including neonates and multisystem trauma victims, and will assist in their operative care. Related opportunities to learn the essentials of pediatric enteral and parenteral nutritional support, invasive and non-invasive monitoring procedures and techniques, respiratory support techniques, and a variety of pediatric vascular access procedures will be available. The student will learn to refine communication skills in dealing with patients' families and the children themselves. Students will be on call every fourth night. Patients will be assigned to the student and he/she will be responsible for daily assessment, progress notes, and execution of the therapeutic plan. Direct supervision will be provided by the Pediatric Surgery Resident and Faculty, each of who is accessible 24 hours a day. Rounds with residents or faculty will be held at least twice daily, and informal conferences will be held at least twice a week. One such conference during the rotation will be the responsibility of each student, where a researched, bibliographed and outlined presentation on a topic of his/her choice will be presented to the other members of the service.

### **URO2-4010/F UROLOGICAL SURGERY-KNOX**

Course Coordinator: Dr. Bedford Waters

Location: UTMC-K

Max. Class Size: 1 students

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The student will act as an Intern on this service and be exposed to all aspects of a University based

Urology Service. The student will be responsible with one house staff member for approximately 25-30 patients and will assist in surgery. The student should obtain good 'hands on' diagnostic urological skills and be given duties commensurate with demonstrated ability, knowledge and skills. The student will attend Surgery Grand Rounds, and the weekly M & M and Cancer Meeting Conferences. In addition, the student will participate in the monthly GU Radiology Conference.

## **OTHER ROTATIONS**

### **IDE2-4010/F PREPARATION FOR RESIDENCY SKILLS THROUGH SIMULATION - KNOXVILLE**

Course Coordinator: Paul J. Huffstutter MD

Location: UT Graduate School of Medicine Medical Simulation Center \_

Max. Class size: 10

**Note: Offered in Blocks 4**

**This is a face to face clinical rotation offered in the spring semester**

**Patient Care-** This program is committed to the teaching, practice, and achieving proficiency in a set of standardized technical tasks and procedural skills designed for senior medical undergraduates utilizing simulation in their preparation for residency. The skills will be taught to a "mastery level" with a certificate of completion for each skill. The environment will be the UT Center for Advanced Medical Simulation at UT College of Medicine, Knoxville Campus. Upon completion of the course, learners are expected to:

1. Demonstrate a working knowledge of sterile technique
2. Identify commonly used surgical instruments.
3. Demonstrate proficiency in basic suturing and knot tying.
4. Explain basic wound care.
5. Demonstrate the ability to place urethral and nasogastric catheters.
6. Perform a thoracentesis and insert a thoracostomy
7. Demonstrate mastery of central line placement using ultrasound guidance
8. Demonstrate basic resuscitative principles.
9. Establish control of airway.
10. Demonstrate basic endoscopic skills to include bronchoscopy, endoscopy and colonoscopy.
11. Successfully investigate medical topics through library research.
12. Demonstrate proficiency in transition of care handoffs.
13. Complete Observed Structured Clinical Exams (OSCE) for communication skills and history and physical completion.
14. Demonstrate a basic working knowledge of health team principles.

**Medical Knowledge:** Medical students must demonstrate a basic fund of knowledge in order to master these tasks and skills. Students are expected to:

1. Describe/ demonstrate the steps involved in each skill/ task.
2. List the indications, contraindications and risks for each task.

3. Identify the process for successful library utilization and research
4. Summarize a format and technique for "handoffs".
5. Demonstrate proper technique for communicating medical information.
6. Demonstrate skills for taking a medical history and performing a physical.
7. Discuss the composition and characteristics of effective medical teams.

**Practice Based Improvement:** This course is designed to train learners in the practice of evidence-based medicine using simulation. Each task/ skill will be exhibited with time allotted for dedicated practice followed by assessment of each skill. At completion of the course learners will be able to:

1. Demonstrate self- learning through participation in simulations, dedicated practice of skills, research of literature, and assessment of each task/ skill herein described.
2. Participate in self-assessment activities related to each skill.
3. Recognize personal strengths and limitations.
4. Assess the value of this course.

**Inter-professional and Communications Skills:** Effective communication is an absolute requirement for effective medical care. Students must be able to:

1. Demonstrate the ability to communicate effectively with staff, patients and colleagues.
2. Demonstrate effective communication skills in a simulated medical environment involving standardized patients.
3. Demonstrate the ability to accurately document findings in simulated patient encounters using standardized patients.
4. Guide communication skills within a medical team.

**Professionalism:** All tasks/ skills instruction, practice and assessment will be carried out in a professional and ethical manner. Specific professionalism issues will be addressed during team training as outlined in AHRQ's team STEPPS program. Students will be able to:

1. Demonstrate professional demeanor at all times while in the Simulation Center.
2. Treat all Staff and colleagues with respect and courtesy.
3. Complete all skills with honesty and accuracy.
4. Assist Staff and colleagues in completing their goals for this curriculum.

**Systems Based Practice:** Learners must show evidence of a working knowledge of healthcare systems including their role in the patient's overall healthcare plan.

Students will be able to:

1. 1. Recognize the characteristics of effective medical teams and their relationship to health systems.

Direct supervision will be provided for all skills instruction and most of the learner's dedicated practice time. Staff will be present for all assessments and available throughout the 4 week course. Each task/ skill will be preceded by a short didactic lecture and expert video/ demonstration of the task/ skill. Short lectures (30-45) minutes will precede the library research, team training and hand- off exercises. OSCE's will be conducted for communication skills and history and physical exams.

### **IDE2-4040/F CAPSTONE COURSE – Knoxville**

Course Directors: Dr. Eddie Moore

Course Coordinator: Missy Maples ([MMaples@mc.utmck.edu](mailto:MMaples@mc.utmck.edu) 865-305-9618)

Maximum-15

Minimum-5

Grading-P/F

**Note: OFFERED IN BLOCK 3 ONLY**

**This is a face-to-face clinical rotation offered in Block 3 and awards 7 credit hours.**

The Course includes:

Back to Basics.edu- more opportunities to review basic science concepts in the framework of clinical cases; Business of Medicine- TBL's using the HealthCare Handbook written by medical students Askin and Moore. Faculty will discuss topics such as health care reform, insurance, and regulatory agencies; EBM-Improve your skills in searching the literature to answer clinical questions; Intern school-Focus on skills to prepare students for life as a house officer, including radiology review, ECG review, what to do on call, line placement and intubation skills, and other skills important for internship and residency; legal issues in medicine; Teaching-Academy- learn teaching and learning techniques for residency and beyond.

### **NEU2-4010/F CLINICAL NEUROLOGY-KNOX**

Course Coordinator: Dr Steven P. Rider

Location: University of Tennessee Medical Center (Knoxville)

Max. Class Size: 1 Student

#### **(REQUIRES ADVANCE APPROVAL)**

***Advanced registration - Students must call Knoxville Student Affairs at least 3 months prior to registering.***

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective will provide students with an opportunity to gain experience in the assessment, diagnosis, and management of patients with neurological problems. Students will participate in the care of inpatients, including the consultation service, and ambulatory patients in the private office and clinic setting. Exposure to EMG and other neuro-diagnostic procedures will be available. Monthly conferences are held.

### **PSY2-3010/F JI ANY –SENIOR CLERKSHIP IN ADULT PSYCHIATRY - KNOXVILLE**

Course Coordinators: Dr. Paul Miller and Dr. Brent Coyle

Location: Knoxville/Maryville: Blount Memorial Hospital, Department of Psychiatry

Size: 1

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

***Not available on the scheduler. Available only through prior arrangement by course director, and only during certain months of the year!***

#### **Patient Care**

Assume care of psychiatric patients that is commensurate with the level of training of a beginning Intern

#### **Medical Knowledge**

Consolidate and apply knowledge (differential dx and treatment of mental disorders), acquired during the M-2 Integrated Psychopathology/Psychopharmacology Course, and the M-3 Clerkship

#### **Practice Based Improvement**

Refine skills in case work-up, presentation, and in recommending management options

## **Interprofessional and Communications Skills**

Work as an integral member of the team

## **Professionalism**

Establish rapport with patients, families, and colleagues while also observing appropriate professional boundaries and etiquette

## **Systems Based Practice**

Learn about the Mental Health system, as well as community resources

The student will have responsibility for 4-6 patients per week depending on census.

Students will do the initial workup and present their findings to their Attendings and/or residents. Students will take ownership of their patients, but maintain close supervision.

Daily team meetings; other teaching conferences, as available on each site. The residents are taking call only from home; students will not be assigned to night call. However, students are welcome to join faculty and on-site staff for emergency triage and evaluation activities, if available. Weekend duties (rounds) will be determined by the individual sites.



## **CHATTANOOGA ELECTIVES**

Clinical training for medical students at the University of Tennessee College of Medicine Chattanooga is based primarily at Erlanger Health System. This outstanding facility is a comprehensive, not-for-profit teaching hospital and the area's recognized leader in health care. Erlanger houses Erlanger Hospital (adults), Children's Hospital (pediatrics). The entire complex is licensed for more than 800 beds. The Erlanger's Medical Staff has over 900 physicians and the UT College of Medicine Chattanooga has a resident/fellow complement of over 173).

The UT College of Medicine Chattanooga currently sponsors ten (10) residency programs: Emergency Medicine, Family Medicine, Internal Medicine, OB/GYN, Orthopaedic Surgery, Pediatrics, Plastic Surgery, Transitional Year and Urology. It also sponsors eleven (11) fellowship programs: Cardiovascular Disease, Colon and Rectal Surgery, Emergency Medical Services, Gastroenterology, Minimally Invasive Gynecologic Surgery, Neuro-Interventional Surgery, Orthopaedic Trauma Surgery, Surgical Critical Care, Ultrasound, Urology and Vascular Surgery. Discussions continue for additional fellowships in the near future.

UTHSC students who wish to schedule clerkships and electives in Chattanooga can do so through the regular scheduling process in Memphis with Department of Medical Education in Memphis, led by Dr. Matthew Ennis, Interim Associate Dean and his staff.

Senior, non-UT students desiring an elective rotation in Chattanooga must schedule through the AAMC's VSAS system (allopathic and osteopathic students) or via a pdf Visiting Student Elective Application Form (International students). The elective request must be approved by the visiting student's Dean's Office. Next, the request must be approved by the chair of the department in Chattanooga and the Associate Dean in Chattanooga Dr. Robert Fore. Finally, the request must be approved in Memphis by the Interim Associate Dean for Medical Education Dr. Matthew Ennis.

Parking is provided by the hospital at no cost to students. Some funding is provided by the hospital for call meals are available for use in the hospital cafeteria. Questions may be addressed to the Office of Medical Education in Chattanooga. The office is located in Suite 104, Whitehall Building (directly across the street from Erlanger) at 960 East Third Street. Pam Scott, Director, can be reached by calling **toll-free number 1-800-947-7823, extension 7442 (e-mail: [gme@erlanger.org](mailto:gme@erlanger.org))**. **Housing requests should be made online as soon as rotations are scheduled:**

**<http://www.utcomchatt.org/subpage.php?pageId=1053>**

**Housing is not guaranteed to any student; however, UT M3 Students have first priority. All housing is based on availability and time of application.**

**SPE3-3001/F SPECIALTY CLERKSHIP-CHATT**

Course Coordinator: Dr. Gary Malakoff

Course Contact: Joyce Poke [Joyce.Poke@erlanger.org](mailto:Joyce.Poke@erlanger.org) (423-778-6670)

Approval Authorization Required: no

Location: Erlanger Health Systems

Orientation Location: Department of Internal Medicine, 2<sup>nd</sup> Floor, Whitehall Bldg., 960 East 3<sup>rd</sup> Street

Size: 2 students

Overnight call: none

Weekend work: none

Flexibility:

- Half Block: Not Negotiable
- Time off for interviews: negotiable 30 days prior to start of elective
- Off cycle start and stop: not negotiable

Deadline for Cancellation: Thirty days before the start of clerkship

Blocks offered: Blocks 1-11

Prerequisites: Core Internal Medicine Clerkship

Pre-reading: any medicine text

Link: None

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This rotation provides a variety of specialty exposure to some of the following areas: Hematology, Neurology, Pulmonology, Infectious Diseases, Gastroenterology, Rheumatology, Palliative Care medicine (one week each). Grading is given on a **Pass/Fail basis**.

## **DEPARTMENT OF EMERGENCY MEDICINE**

### **EME3-3030/F JI ANY – EMERGENCY CARE MEDICINE - CHATT**

Course Coordinator: Dr. Jacob Hennings, MD, FACEP

Contact Information: Susan Messer [susan.messer@erlanger.org](mailto:susan.messer@erlanger.org) 423-778-7628

Approval Authorization required: Yes, must have prior approval

Location: Erlanger Adult Emergency Department

Orientation location: Emergency Medicine Administrative Office

Size: 6 Students total

Overnight Shifts required in the Emergency Department

Weekend Work: Yes

Flexibility:

- Half Block: Not Negotiable
- Time off for Interviews: Negotiable
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days prior to start of elective

Blocks offered: Not available in Block 7

Prerequisites: None

Pre-reading: Suggested Tintinalli's Emergency Medicine: Just the Facts

Link: <http://www.emchatt.com/courses/medical-student-curriculum>

This is a face to face clinical rotation receiving 7 credit hours.

The student will have the opportunity to assist in the evaluation and management of critically ill and injured patients under the direct supervision of senior residents and faculty from the Department of Emergency Medicine. The student will assist in procedures such as wound management, trauma resuscitation, fracture reduction and splinting, central venous access, and cardiopulmonary resuscitation. A total of 20 hours of didactic education is provided and based on the Model of Clinical Practice of Emergency Medicine and may include topics such as: acute emergency procedures, poisoning and drug management, ECG interpretation, and management of life threatening and other arrhythmias. The student will have a direct role in patient care similar to that of a first year resident but will be more closely supervised and directed. Students will be expected to independently perform a history and physical examination, and develop a differential diagnosis and treatment plan for common emergent conditions.

## **DEPARTMENT OF FAMILY MEDICINE**

### **FME3-3001/F FAMILY MEDICINE CLERKSHIP-CHATT**

Course Coordinator: Dr. J. Mack Worthington

Contact Information: Elissa McCoy; [elissa.mccoy@erlanger.org](mailto:elissa.mccoy@erlanger.org); (423) 778-2957

Approval Authorization required: None

Location: Erlanger Health System and the UT Family Practice Center in Chattanooga

Orientation location: UT College of Medicine in Chattanooga and Erlanger Health System

Size: 4 Students total

Overnight Call: 5 nights (Inpatient rotation) and as assigned

Weekend Work: As assigned

Flexibility:

- Half Block: Not Negotiable
- Time off for Interviews: None
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days prior to start of elective

Blocks offered: All

Prerequisites: None

Pre-reading: None

Link: <http://utcomchatt.org/subpage.php?pageId=755>

**This is a face to face clinical rotation receiving 14 credit hours.**

The rotation is divided into two four-week blocks, one with the inpatient service and the other primarily ambulatory. Both options provide excellent educational opportunities for students to learn comprehensive and compassionate care of the whole family. Students are directly involved in patient care with their attending physicians (and/or residents) in both the hospital and outpatient settings. In addition, they attend resident conferences and have informal teaching interactions with the faculty members – including community physicians. Throughout the rotation they are offered the opportunity to participate in ultrasound and procedures clinic. Students on the inpatient service participate on night call activities to enhance their learning opportunities. Continuing medical education and life-long learning are emphasized by required daily reading with reports. Rubrics for clinical skills are completed during the clerkship as well as additional educational assignments.

### **FME3-3010/F FAMILY MEDICINE SENIOR CLERKSHIP-CHATT**

Course Coordinator: Dr. J. Mack Worthington

Contact Information: Elissa McCoy; [elissa.mccoy@erlanger.org](mailto:elissa.mccoy@erlanger.org); (423) 778-2957

Approval Authorization required: Must have prior approval from Dr. Worthington

Location: Erlanger Health System and the UT Family Practice Center in Chattanooga

Orientation location: UT College of Medicine in Chattanooga and Erlanger Health System

Size: 1 Students total

Overnight Call: 5 nights

Weekend Work: None

Flexibility:

- Half Block: Not Negotiable
- Time off for Interviews: Negotiable thirty days prior to start of elective

- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days prior to start of elective

Blocks offered: All but requires approval from Program Director

Prerequisites: Core Family Medicine Clerkship

Pre-reading: None

Link: <http://utcomchatt.org/subpage.php?pageId=532>

**This is a face to face clinical rotation receiving 7 credit hours.**

The clerkship offers students the opportunity to gain additional experience with hospitalized and ambulatory patients in a family medicine environment. The student will function as an acting intern with the responsibility for evaluation of patients, preparing medical records and coordination of care. The student will be supervised by both resident and faculty, based on demonstrated skills of the student. Continuing medical education and life-long learning are emphasized by requiring students to read daily and report on their reading.

### **FME3-4010/F ADVANCED FAMILY MEDICINE PRECEPTORSHIP-CHATT**

Course Coordinator: Dr. J. Mack Worthington

Contact Information: Elissa McCoy; [elissa.mccoy@erlangers.org](mailto:elissa.mccoy@erlangers.org); (423) 778-2957

Approval Authorization required: Must have prior approval from Dr. Worthington

Location: Erlanger Health System and the UT Family Practice Center in Chattanooga

Orientation location: UT College of Medicine in Chattanooga and Erlanger Health System

Size: 1 Students total

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: Not Negotiable
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All but requires approval from Program Director

Prerequisites: Core Family Medicine Clerkship

Pre-reading: None

Link: <http://utcomchatt.org/subpage.php?pageId=532>

**This is a face to face clinical rotation receiving 7 credit hours.**

This rotation provides senior medical students active participation in the care of patients in a comprehensive Family Medicine setting. Students should expect to (a) Improve skills in providing patient centered care; (b) Experience a variety of types of care provided by family physicians; and (c) Develop a better understanding of the scope of Family Medicine. Available opportunities include: Hospital, Academic Office, Private Office, Nursing Home, Prenatal Clinic, Hospice, Addiction Treatment, and Primary Care of Disabled Persons. Students will share in the clinical management and care of patients, under the supervision of the clinical faculty. This will include evaluating patients, developing diagnoses, and creating treatment plans.

## **DEPARTMENT OF MEDICINE**

**“The Department of Medicine will only accept visiting student applications through the VSAS system. No others will be considered.”**

### **MED3-3001/F MEDICINE CLERKSHIP-CHATT**

Clerkship Director: Gary Malakoff, MD, FACP

Course Contact: Joyce Poke [Joyce.Poke@erlanger.org](mailto:Joyce.Poke@erlanger.org) (423-778-6670)

Location: Erlanger Hospital

Orientation Location: Department of Internal Medicine, 2<sup>nd</sup> Floor, Whitehall Bldg., 960 East 3<sup>rd</sup> Street

Size: 6

Overnight call: none

Weekend work: yes, depending on on-call schedule

Deadline or cancelation: 30 days before start of elective

Flexibility:

- Half Block: Not Negotiable
- Time off for interviews: negotiable 30 days before start of clerkship
- Off cycle start and stop: not negotiable]

Deadline for Cancelation: Thirty days prior to the start of clerkship

Blocks offered: all blocks

Prerequisites: None

Pre-reading: any Medicine text

Link: None

**This is a face to face clinical rotation offered in the fall and spring and receiving 14 credit hours.**

The objective for the M-3 Internal Medicine Medical student education is for students to acquire a fundamental knowledge of internal medicine while developing skills of physical examination, history taking, case presentation and various procedures. The goals, objectives and projects for the Internal Medicine Clerkship are the same at all UT sites (Memphis, Knoxville, and Chattanooga). Teams consist of an attending physician, one resident, and two interns. Rounds occur daily and students are expected to be active participants. There is no overnight call. A night float team allows students to leave the hospital around 5 PM on most days and by 8 PM on the day the Team is on “call.” Students usually have one day off in 7. The UT College of Medicine Chattanooga provides apartment living arrangements (based on availability) and meals for all students who participate in rotations in Chattanooga.

**MED3-3002/F REQUIRED MEDICINE SENIOR CLERKSHIP JI (INTERNAL MEDICINE)-CHATT**

Course Coordinator: Gary Malakoff, MD, FACP

Course Contact: Joyce Poke [Joyce.Poke@erlanger.org](mailto:Joyce.Poke@erlanger.org) (423-778-6670)

Location: Erlanger Hospital

Size: up to 3 students

Overnight call: none

Weekend work: yes, depends of the inpatient team's call schedule

Deadline or cancelation: 30 days before start of elective

Time off: one day off in seven on average

Flexibility:

- Half Block: Not Negotiable
- Time off for interviews: negotiable 30 days before start of elective
- Off cycle start and stop: not negotiable

Deadline for Cancelation: Thirty days prior to start of clerkship

Blocks offered: all blocks

Prerequisites: Core Medicine Clerkship

Pre-reading: any Medicine text

Link: None

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

**Must confirm space available with course coordinator at [joyce.poke@erlanger.org](mailto:joyce.poke@erlanger.org)**

Students taking this inpatient rotation function as a junior intern. Students must assume responsibility for patient care similar to that of an intern but under the more close and direct supervision of an assigned physician and resident team leader. Emphasis will be placed on improving diagnostic and therapeutic planning and extending patient management skills acquired during the junior Medicine Clerkship. The junior intern should acquire basic problem-solving skills covering a broad spectrum of medical problems encountered in the practice of internal medicine.



### **MED3-3010/F JI ANY - SENIOR CLERKSHIP IN MEDICINE-CHATT**

Course Coordinator: Gary Malakoff, MD, FACP

Course Contact: Joyce Poke [Joyce.Poke@erlanger.org](mailto:Joyce.Poke@erlanger.org) (423-778-6670)

Location: Erlanger Hospital

Orientation Location: Department of Internal Medicine, 2<sup>nd</sup> Floor, Whitehall Bldg., 960 East 3<sup>rd</sup> Street

Size: up to 3 students (MUST confirm with course coordinator prior to enrolling)

Overnight call: none

Weekend work: Yes, depends of the inpatient team's call schedule

Time off: one day off in seven (on average)

Flexibility:

- Half Block: Not Negotiable
- Time off for interviews: negotiable 30 days before start of elective
- Off cycle start and stop: not negotiable

Deadline for Cancellation: Thirty days prior to the start of clerkship

Blocks offered: all blocks

Pre-reading: any Medicine text

Prerequisite: Core Medicine Clerkship

Link: None

***Note: Must confirm space available with course coordinator***

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This course would be an elective rotation as a junior intern in Internal Medicine after the student has already completed the Required Senior Clerkship in Internal Medicine. This rotation places the student in a more direct role in patient care in advanced medicine, similar the role of an intern, but under the close and direct supervision of an assigned resident and staff physician. The student is expected to acquire basic problem-solving skills covering a broad spectrum of medical problems encountered in the practice of internal medicine.

### **MED3-3031/F JI ANY – CRITICAL CARE MEDICINE-CHATT**

Faculty: John Gunter, MD, John Boldt, MD

Course Contact: Joyce Poke [Joyce.Poke@erlanger.org](mailto:Joyce.Poke@erlanger.org) ; 423-778-6670

Approval Authorization required: No

Location: Erlanger Health System

Orientation Location: Department of Internal Medicine, 2<sup>nd</sup> Floor, Whitehall Bldg., 960 East 3<sup>rd</sup> Street

Size: 2

Overnight call: None

Weekend call: Depends on team's call schedule

Flexibility:

- Half Block: Not Negotiable
- Time off for Interviews: Negotiable 30 days prior to start of the rotation
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Internal Medicine Clerkship

Pre-reading: any medicine text

Link: n/a

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The critical care rotation is a one-month rotation for fourth year medical students in which the principles of critical care medicine and evaluation and treatment of critically ill patients are emphasized. Critical illness does not respect socioeconomic boundaries, however, many critically ill patients do present with additional complications of substance abuse or lack of timely medical care. Ethical issues concerning the intensity of care are often encountered. The appropriate environmental precautions and hazards are frequently discussed when isolation of patients is required. The upper level residents teach the interns and students; the attending intensivist teaches the entire team during didactic sessions as well as during daily rounds. During these rounds and conferences, the pathogenesis of conditions is reviewed and the particular skills needed for evaluation and management of critically ill patients are reviewed. The team performs procedures in the ICU including intubation, central line placement, thoracentesis, bronchoscopy, and lumbar puncture.

### **MED3-4060/F JUNIOR FELLOWSHIP IN CARDIOLOGY-CHATT**

Course Coordinator: Alison L. Bailey, MD

Contact Information: [Tammy.Elliott@erlanger.org](mailto:Tammy.Elliott@erlanger.org) 423-778-4465

Approval Authorization required: Must have prior approval from Dr. Bailey

Location: Erlanger Health System

Orientation location: Cardiology Administrative Office, Erlanger Medical Mall, Suite 517

Size: 2

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days prior to start of elective

Blocks offered: All

Prerequisites: Core Internal Medicine Clerkship

Pre-reading: Dubin's Rapid Interpretation of the EKG

Link: Online course syllabus located on department website with greater detail, goals and objectives, logistics, etc.

**This is a face to face clinical rotation receiving 7 credit hours.**

This rotation is based at Erlanger Health System as part of a busy academic cardiology group and Cardiovascular Diseases Fellowship. The cardiology rotation will combine an inpatient experience as well as outpatient clinic experience and imaging time with echocardiography and cardiac MRI. The student is expected to gain in-depth knowledge of cardiovascular disease by participating in the care of cardiac inpatients and will see a breadth of clinical presentations from hypertensive emergency and acute coronary syndrome to decompensated heart failure and cardiogenic shock. The student will gain valuable bedside management skills as well as exposure to electrophysiology, non-invasive imaging, and cardiac catheterization. Daily teaching rounds will be held by the cardiology attending and fellows during the inpatient portion of the rotation. The outpatient portion will include one-on-one time discussing patient. A core lecture series is presented weekly, as well as a case-based clinical discussion.

### **MED3-4070/F PRECEPTORSHIP IN ENDOCRINOLOGY AND DIABETES-CHATT**

Course Coordinator: Asma Khan, MD

Contact Information: Joyce Poke [Joyce.Poke@erlangers.org](mailto:Joyce.Poke@erlangers.org), 423.778.6670

Approval Authorization required: Must have prior approval from Dr. Khan

Location: Academic Endocrinology, 979 East Third Street, Suite B-601, Chattanooga, TN 37403

Orientation Location: UT College of Medicine, Department of Internal Medicine, 960 East Third

Street, Suite 200, Chattanooga, TN 37403

Size: 1 student

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: Two to four week rotation
- Time off for Interviews: Negotiable prior to start of elective
- Off cycle start and stop: Not negotiable

Deadline for Cancellation: Prior to start of elective

Blocks offered: All

Prerequisites: Core Internal Medicine Clerkship

Prereading: None

**This is a face to face clinical rotation receiving 7 credit hours.**

This elective is designed to provide an opportunity for students to observe both inpatient and outpatient evaluation and management of patients with a wide variety of endocrine disorders, including thyroid and parathyroid disease, osteoporosis, multiple endocrine neoplasia, pituitary disorders, etc. Students will participate in patient care, evaluation, and management, and requested inpatient consults. Students will work under the direct supervision of a clinical endocrinologist. Students can observe patients undergoing thyroid ultrasounds and U/S-guided fine needle biopsies of thyroid nodules. Students will be able to gain experience in evaluation and intensive outpatient management of diabetic patients using insulin pumps, continuous glucose sensing, and multiple daily injection regimens.

### **MED3-4080/F GASTROENTEROLOGY - CHATT**

Course Director: Louis Lambiase, MD

Course Coordinator: Joyce Poke, [joyce.poke@erlanger.org](mailto:joyce.poke@erlanger.org)

Approval Authorization required: Yes

Location: Erlanger Health System

Size: 1

Overnight Call: none

Weekend work: none

Flexibility:

- Half Block: Not Negotiable
- Time off for interviews: Negotiable 30 days prior to the start of the rotation
- Off Cycle start and stop: Not Negotiable

Deadline for cancelation: 30 days before start of elective

Blocks offered: All

Prerequisites: Medicine Core Clerkship

Pre-reading: any Medicine text

Link: n/a

**Must confirm space available with course coordinator at [joyce.poke@erlanger.org](mailto:joyce.poke@erlanger.org)**

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective is designed to acquaint students with clinical problems in Gastroenterology. Students will participate in patient care, evaluation, management, and requested in- and outpatient consults and endoscopic procedures and biopsies. Basic concepts in pathophysiology and therapy will be stressed. Students will be expected to actively participate in all GI rounds and patient discussions. Expect extensive exposure to acute and chronic GI disorders including the full spectrum of liver diseases.

### **MED3-4110/F JUNIOR FELLOWSHIP IN INFECTIOUS DISEASES-CHATT**

Course Coordinator: Jay Sizemore, MD

Contact information: Joyce Poke [joyce.Poke@erlanger.org](mailto:joyce.Poke@erlanger.org)

Approval Authorization required: No

Location: Erlanger Health System

Orientation Location: Department of Internal Medicine, 2<sup>nd</sup> Floor, Whitehall Bldg., 960 East 3<sup>rd</sup> Street

Size: 2

Overnight Call: none

Weekend Work: none

Flexibility:

- Half Block: Not Negotiable
- Time off for interviews: Negotiable 30 days prior to start of the rotation
- Off Cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days prior to start of elective

Blocks offered: all

Prerequisites: Medicine core clerkship

Pre-reading: Medicine text

Link: N/A

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This elective is designed to acquaint students with clinical infectious disease problems found through the various medicinal disciplines. The student will participate in patient rounds and requested consults. Basic clinical microbiology, including interpretation of gram-stained clinical specimens and colony morphology of organisms will be integrated with diagnosis and treatment. A selected bibliography will be provided and periodic discussion held pertaining to basic infectious diseases. The students will be expected to actively participate in these discussions, conferences, and the care of infectious disease inpatients.

### **MED3-4120/F JUNIOR FELLOWSHIP IN NEPHROLOGY-CHATT**

Course Coordinator: Christopher V Poole, MD, FASN

Contact Information: [dr.poole@nephassociates.com](mailto:dr.poole@nephassociates.com), 423-702-7900

Approval Authorization Required: Prior approval by Dr. Poole

Location: Erlanger Health System

Orientation Location: Hemodialysis Unit WW2 at Erlanger Medical Center

Size: 2 students total

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block- may be taken as a 2 week half of elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of the elective.
- Off cycle start and stop: Negotiable

Deadline for cancellation: Thirty days prior to start of rotation

Blocks offered: Blocks 1, 2, 3, 4, 5 and 9, 10, 11, & 12

Prerequisites: Core Internal Medicine Clerkship

Pre-reading: None

Link: none

**This is a face to face clinical rotation receiving 7 credit hours.**

The student will participate in the work-up and management of patients with renal disease as well as those with fluid and electrolyte disorders. The Erlanger Renal Service is particularly germane to the education of senior medical students since it provides exposure to the complete spectrum of renal diseases. Prominent inclusions are acute glomerulonephritis, acute kidney injury, electrolyte disorders, and chronic renal failure from a wide variety of etiologies. Renal replacement modalities to be encountered include: Renal transplant, continuous renal replacement therapy, intermittent hemodialysis and peritoneal dialysis. Pathophysiology and its relationship to clinical medicine will be stressed throughout this elective. The student will attend daily Internal Medicine Residency conferences including a weekly renal conference. The student will be

expected to participate actively in these renal conferences. The student will work directly under the supervision of an intern or a senior medical resident and the Director of Nephrology.

### **MED3-4131/F PULMONARY MEDICINE-CHATT**

Faculty: Suresh Enjeti, MD

Course contact: Joyce Poke: [joyce.poke@erlangers.org](mailto:joyce.poke@erlangers.org)

Approval Authorization Required: No

Location: Erlanger Health System

Orientation Location: Department of Internal Medicine, 2<sup>nd</sup> Floor, Whitehall Bldg., 960 East 3<sup>rd</sup> Street

Size: 1

Overnight call: none

Weekend work: none

Flexibility:

- Half Block: Not Negotiable
- Time off for interviews: Not Negotiable
- Off Cycle start and stop: Not Negotiable
- Deadline for Cancellation: Thirty days prior to start of elective

Blocks offered: all blocks

Prerequisite: core Medicine Clerkship

Pre-reading: none

Link: none

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

**Educational Purpose:** The pulmonary rotation is a one-month elective rotation for fourth year medical students in which the principles of pulmonary medicine are emphasized. Socioeconomic issues such as complications of substance abuse or lack of timely medical care will be addressed. Ethical issues concerning the intensity of care are often encountered. The appropriate environmental precautions and hazards are frequently discussed when isolation of patients is required.

### **MED3-4140/F RHEUMATOLOGY-CHATT**

Course Coordinator: Michael Brit, MD

Contact Information: Joyce Poke [Joyce.Poke@erlangers.org](mailto:Joyce.Poke@erlangers.org), 423.778.6670

Approval Authorization required: Must have prior approval from Dr. Brit

Location: University Rheumatology Associates, 979 East Third St, Suite B-805,  
Chattanooga TN 37403

Orientation Location: UT College of Medicine, Department of Internal Medicine, 960 East  
3<sup>rd</sup>

Street, Suite 200, Chattanooga, TN 37403

Size: 1 student

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: 4-week block only
- Time off for Interviews: Negotiable prior to start of elective
- Off cycle start and stop: Not negotiable

Deadline for Cancellation: 30 days prior to start of elective

Blocks offered: All

Prerequisites: Core Internal Medicine Clerkship

Prereading: None

**This is a face to face clinical rotation receiving 7 credit hours.**

This elective is designed to introduce the student to the medical subspecialty of Rheumatology focused on the diagnosis, treatment and management of arthritis, inflammatory diseases and autoimmune system problems affects the joints, soft tissues and connective tissues.

Basic concepts in pathophysiology, systematic evaluation will be stressed. The elective will provide opportunity for increased knowledge in the area of history taking, conducting a physical examination leading to diagnosis, treatment and disease management. The elective will introduce traditional and new biologic therapies and treatment of diseases of joints, muscles, and bones, including newer biologic therapies and joint/soft tissue injections. The student will be expected to actively participate in all Rheumatology rounds and patient discussions

**NEUROLOGY CLERKSHIP**  
**(See Other Rotations at the end of this section)**



## **DEPARTMENT OF OBSTETRICS AND GYNECOLOGY**

### **OBG3-3001/F OBSTETRICS AND GYNECOLOGY CLERKSHIP-CHAT**

Clerkship Director: Jeanie Dassow, MD ([Jeanie.dassow@erlangers.org](mailto:Jeanie.dassow@erlangers.org))

Contact Information: Jacqueline Hogan ([Jacqueline.Hogan@erlangers.org](mailto:Jacqueline.Hogan@erlangers.org));

423-778-7515

Location: Erlanger Health System

Orientation Location: Department of OB/GYN

Size: 4-6

Flexibility: None available

Deadline for Cancellation: Thirty days prior to start of elective

Overnight Call: Yes

Weekend Work: Two weekends during 8 week rotation

Blocks offered: All

Prerequisites: 3<sup>rd</sup> year medical student

Pre-Reading: None

Link: None

**This is a face to face clinical rotation offered in the fall and spring and receiving 14 credit hours**

From 2 to 6 students can be scheduled for the clerkship per eight-week block. The purpose of this core clerkship experience is to learn and understand the basic principles and practice of obstetrics and gynecology and develop a general understanding of women's health.

Clerks will have two weekend call responsibilities during the rotation. Students are expected to attend rounds, conferences and lectures associated with the respective services. The rotation involves both inpatient and outpatient care of obstetrical and gynecologic patients, including assisting and/or performing related procedures such as deliveries, ultrasounds and office procedures as well as major gynecology cases.

During the clinic weeks, students work in both private and resident offices. Assignment of grades is based on clinical performance (determined by evaluations from residents and staff) and scores on the written examination administered at the end of the rotation. Each student will also give a short presentation to peers and the clerkship director.

**OBG3-3011/F JUNIOR INTERNSHIP IN OBSTETRICS-CHATT**

Course Coordinator: Jeanie D. Dassow MD

Contact Information: Jacqueline Hogan ([Jacqueline.Hogan@erlanger.org](mailto:Jacqueline.Hogan@erlanger.org))

Approval Authorization required: Yes

Location: Erlanger

Orientation Location: UT College of Medicine in Chattanooga and Erlanger Health System

Size: 2

Overnight Call: The four weeks will be divided into two weeks of Day Obstetrics and two weeks of Night Float. The day schedule is 6am to 6pm M-F with one weekend call. The Night Float schedule is Sunday evening 6pm to 7am Monday and then 5pm to 7am Monday evening to Friday morning with didactics to follow until 11am Friday.

Weekend Work: The weekends on the Night Float weeks are off duty.

Flexibility:

- Half Block: This rotation can be **half-time OBG3-3011/H**.

- Time off for Interviews: Negotiable prior to start of elective
- Off Cycle start and stop: Not negotiable

Deadline for Cancellation: Thirty days prior to start of elective

Blocks offered: All except Blocks 2, 3, 4 and 7.

Prerequisites: Core Obstetrics & Gynecology

Pre-reading: None

Link: Online course syllabus located on department website with great detail, goals and objectives, logistics, etc.

**This is a face to face rotation offered in fall and spring and receiving 3.5 or 7 credit hours.**

Students will be integrally involved in the care of patients on Labor and Delivery. They will be supervised doing OB procedures such as rupture of membranes, placement of internal monitors, episiotomies and their repair, ultrasounds and deliveries. The student will be assisting in Cesarean deliveries and postpartum care. The students will also be assisting in the evaluation and management of gynecology patients admitted via the Emergency Department and the care of patients on the gynecology and gynecology-oncology services. Students will be continually supervised by residents and attending physicians. A resident team as well as attending physicians are present at all times on the Obstetrics Service.

### **OBG3-3021/F GYNECOLOGIC ONCOLOGY-CHATT**

Course Coordinators: Steven DePasquale, MD and Todd Boren, MD

Contact Information: Jacqueline Hogan ([Jacqueline.Hogan@erlangers.org](mailto:Jacqueline.Hogan@erlangers.org))

Location: UTCOM Chattanooga (Erlanger, Memorial, Parkridge)

Orientation Location: UT College of Medicine in Chattanooga and Erlanger Health System

Size: 1

Overnight Call: Night Call schedule will mirror that of the GYN-ONC resident's call.

Weekend Work: No

Flexibility:

- Half Block: This rotation can be **half-time OBG3-3021/H**.
- Time off for interviews: Negotiable prior to start of elective
- Off Cycle start and stop: Not negotiable

Deadline for Cancellation: Thirty days before start elective

Blocks offered: All

Prerequisites: Core Obstetrics & Gynecology

Pre-reading: None

Link: Online course syllabus located on department website with great detail, goals and objectives, logistics, etc.

**This is a face to face rotation offered in fall and spring and receiving 3.5 or 7 credit hours.**

The number of patients per week for whom the student will have some responsibility are 20. Students will round daily with the gyn oncology team which consists of a resident and the attending. They will assist in surgery, inpatient management of pre-op and post-op patients and provide some patient care in the outpatient clinic setting. Students will work under the direct supervision of UT faculty. All patient care is closely supervised. Departmental didactics are held from 7am to 11am each Friday morning. The student will be expected to attend those sessions as well as Tumor Board. From 6am to about 6pm daily M-F.

**OBG3-3022/F JI IN MINIMALLY-INVASIVE GYNECOLOGIC SURGERY-CHATT**

Course Coordinator: Scott Furr, MD

Contact Information: Jacqueline Hogan ([Jacqueline.Hogan@erlanger.org](mailto:Jacqueline.Hogan@erlanger.org))

Location: Erlanger, Memorial, Partridge

Orientation Location: UT College of Medicine in Chattanooga and Erlanger Health System

Size: 1

Overnight Call: No

Weekend Work: Two weekend calls during the month alongside the resident on MIGS for the month.

Flexibility:

- This rotation can be **half-time OBG3-3022/H**.
- Time off for Interviews: Negotiable prior to start of elective
- Off cycle start and stop: Not negotiable

Deadline for Cancellation: Thirty days before start elective

Blocks offered: 8, 9, 10, 11, 12 and 1

Prerequisites: Core Obstetrics & Gynecology

Pre-reading: none

Link: Online course syllabus located on department website with great detail, goals and objectives, logistics, etc.

**This is a face to face rotation offered in fall and spring and receiving 3.5 or 7 credit hours.**

The number of patients per week for whom the student will have some responsibility are 15. Students will work with the MIGS team of attending, fellow and resident to provide

care in the clinic, OR and post-op setting. They will be supervised closely as they assist in the OR, evaluate patients for surgery and round on hospitalized patients. They will assist with seeing patients in the office settings. Students will be supervised as they work alongside faculty and residents. They will not be providing independent patient care in any setting. Students will attend departmental didactics from 7 am to 11 am each Friday. They will attend other conferences which may be sporadically scheduled. The student will work approximately 6 am to 5 pm M-F.

### **OBG3-4011/F SENIOR ELECTIVE IN OBGYN OUTPATIENT CARE-CHATT**

Course Coordinator: Jeanie Dassow, MD

Contact Information: Jacqueline Hogan (Jacqueline.Hogan@erlanger.org)

Approval Authorization required: No

Location: Erlanger, Memorial, Partridge

Orientation Location: UT College of Medicine in Chattanooga and Erlanger Health System

Size: 1

Overnight Call: No

Weekend Work: No

Flexibility:

- Half Block: This elective can be **half-time OBG3-4011/H**.
- Time off for interviews: Negotiable prior to start of elective
- Off Cycle start and stop: Not negotiable

Deadline for Cancellation: Thirty days before start elective

Blocks offered: All except 6 and 7

Prerequisites: Core Obstetrics & Gynecology

Pre-reading: None

Link: Online course syllabus located on department website with great detail, goals and objectives, logistics, etc.

**This is a face to face rotation offered in fall and spring and receiving 3.5 or 7 credit hours.**

The number of patients per week for whom the student will have some responsibility are 30. The student will evaluate patients in an outpatient settings and then present the patient to an attending who will critique the care. Students will be able to evaluate clinic patients alone and then "check them out" to residents and attendings. All clinics will be supervised by an attending who is present. The student will join in the departmental didactics on Friday mornings from 7am to 11am and attend the Mortality and Morbidity Conference. Research opportunities are available for interested students.

## **DEPARTMENT OF ORTHOPAEDIC SURGERY**

### **ORS3-4010/F ORTHOPAEDIC SURGERY-CHATT**

Course Coordinator: Jeremy Bruce, MD

Course Contact: Donna Gibson [Donna.Gibson@erlanger.org](mailto:Donna.Gibson@erlanger.org)

Approval Authorization required: No

Location: Erlanger Health System

Orientation location: 979 E 3<sup>rd</sup> Street, Suite B202, Chattanooga, 37403

Size: 3 UTHSC students (5 total students max)

Overnight Call: varies

Weekend Work: varies

Flexibility:

- Half Block: Not Negotiable
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Available

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: Blocks 1, 5-12

Prerequisites (including elective and residency applicants):

- **Step I USMLE - at least 235 on first attempt**
- **Step II USMLE - at least 235 on first attempt\***  
**(\*may adversely affect applicant if Step II scores are not available)**
- **Member of current graduating class top 25% their graduating class**

Pre-reading: None

Link: None

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The Orthopaedic Surgery elective provides clinical experience on an active teaching service. The student will work with and assist a senior resident under the supervision of attending staff. The student will learn how to conduct a history and physical examination of the musculoskeletal system, how to develop the diagnosis and treatment plan for assigned patients, and basic orthopaedic radiology. The student will learn basic

principles of fracture care. The student will have patient contact in Emergency Room Clinic, Ward, and Surgery. Regular teaching rounds and conferences will be required.

## **DEPARTMENT OF PATHOLOGY**

### **PAT3-4010/F PATHOLOGY-CHAT**

Course Coordinator: Dr. Richard Hessler

Contact Information: Jena Yancey, [jyancey@pathgroup.com](mailto:jyancey@pathgroup.com), 423-778-7255

Approval Authorization required: Must have prior approval from Dr. Hessler

Location: Erlanger Medical Center

Orientation location: Pathology office, Erlanger main campus.

Size: 1 Students total

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not applicable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Internal Medicine and Surgery Clerkships

Pre-reading: None

Link: N/A

**This is a face to face clinical rotation offered in the fall and spring receiving 7 credit hours.**

This elective is quite flexible and will be tailored to the student's needs and desires. In its broadest sense, it will be a survey of techniques in anatomic and clinical pathology with heavy emphasis on clinical-pathologic correlation. If desired, the time may be structured to emphasize certain aspects of the laboratory such as hematology or microbiology. Emphasis will also be placed on how the clinician may maximally utilize pathology services in a hospital setting.



## **DEPARTMENT OF PEDIATRICS**

### **PED3-3001/F Pediatrics Clerkship-Chatt**

Course Coordinator: Dr. Cathy Stevens

Contact Information: cathy.stevens@erlanger.org

Approval Authorization required: No

Location: Children's Hospital at Erlanger

Orientation location: UT offices in Whitehall Bldg, 1<sup>st</sup> floor followed by 1<sup>st</sup> floor Massoud Bldg, Department of Pediatrics

Size: 8 maximum

Overnight Call: Night Float on inpatient (5 nights)

Weekend Work: One weekend call (daytime) on inpatient

Flexibility:

- Half Block: Not offered
- Time off for Interviews: None
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days prior to start of elective

Blocks offered: All

Prerequisites: none

Pre-reading: none

Link: Online course syllabus located on department website with greater detail, goals and objectives, logistics, etc. at [www.uthsc.edu/pediatrics/clerkship](http://www.uthsc.edu/pediatrics/clerkship)

**This is a face to face clinical rotation receiving 14 credit hours.**

Students spend 1 month on the inpatient service and 1 month on the outpatient rotation. Medical students are active members of the medical team taking care of patients. They will be expected to learn about normal growth and development, how to evaluate children of different ages, diagnosis and treatment of common pediatric conditions and have the opportunity to be exposed to many unusual disorders. Attendance at student lectures, Friday afternoon lecture block, Grand Rounds, and Morning Report is required. Because of the relatively small number of students, there is a greater amount of individualized attention and responsibility that is given to each student. There is direct faculty supervision wherever students are assigned on inpatient or outpatient services.

**PED3-3010/F JI ANY - SR. CLERKSHIP IN PEDIATRICS-CHATT**

Course Coordinator: Cathy A. Stevens, MD

Contact: Patty Wolfe, Pediatric Residency Coordinator (423)778-6217

[Patty.Wolfe@erlanger.org](mailto:Patty.Wolfe@erlanger.org)

Approval Authorization required: Yes

Location: Children's Hospital at Erlanger

Orientation location: Pediatric Department at Children's Hospital

Size: 2

Overnight Call: 1 week of night float

Weekend Work: 2 weekends off

Flexibility:

- Half Block: Not Negotiable
- Time off for interviews: Negotiable 30 days prior to the start of the elective.
- Off cycle start and stop: Not negotiable

Deadline for cancellation is 30 days prior to start of the elective

Blocks offered: All

Prerequisites: Core pediatric clerkship

Pre-reading: None

Link: None

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The student will have primary responsibility for the patients assigned to him/her that will include all documentation, procedures and parental contact. The senior clerk will be responsible for liaison with other medical and ancillary services, completion of the chart and presentation of the patient in appropriate form. He/she will also be responsible for the preparation and presentation of therapeutic short topics.

**PED3-4009/F CLINICAL GENETICS-CHATT**

Course Coordinator: Cathy A. Stevens, MD

Contact: Patty Wolfe, Pediatric Residency Coordinator

[Patty.Wolfe@erlanger.org](mailto:Patty.Wolfe@erlanger.org)

Location: Children's Hospital at Erlanger

Orientation Location: Pediatric Department at Children's Hospital

Size: 1

Overnight Call: None

Weekend Work: None

Flexibility: negotiable

Half block: may be taken as a two-week elective with no time off.

Time off for interviews: negotiable

Off cycle start/stop: not negotiable

Deadline for cancellation: 30 days prior to the start of the elective

Blocks available: All but must have approval for the specific month requested.

Prerequisites: Core pediatric clerkship

Pre-reading: None

Link: None

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

**Note: Must contact and receive approval from the Course Coordinator before scheduling with the Office of Medical Education in Memphis. Call the Pediatric Chief Resident at (423) 778-8018 or email her to request approval at [pedchief@erlangers.org](mailto:pedchief@erlangers.org).**

Student will learn to obtain pertinent medical and family history, how to perform a dysmorphology examination, and draw a detailed pedigree. The student will become familiar with a variety of genetic disorders as well as the genetic implications of a wide range of birth defects. Some prenatal counseling and cancer genetic counseling is also done. A half day genetic lab experience is included. The student will learn how to approach examination of fetuses with birth defects and learn to calculate genetic risks of recurrence of various disorders. The student will have some responsibility for 20-25 patients per week by performing detailed medical and family histories, physical exams, drawing the pedigree. Every patient is seen with the attending physician. Weekly conferences on a variety of pediatric topics are available.

### **PED3-4010/F PEDIATRIC NEUROLOGY ELECTIVE - CHATT**

Course Coordinator: David Suhrbier, DO

Contact: Patty Wolfe, Pediatric Residency Coordinator

[Patty.Wolfe@erlangers.org](mailto:Patty.Wolfe@erlangers.org)

Location: Children's Hospital at Erlanger, Pediatric Neurology Clinic, Massoud Bldg, Ground Floor

Size: 1

Orientation location: Pediatric Department at Children's Hospital

Overnight Call: None

Weekend Work: None

Deadline For Cancellation: Thirty days before start of elective

Blocks Offered: All

Prerequisites: None

Pre-reading: None

NOTE: Note: Must contact and receive approval from the Course Coordinator before scheduling with the Office of Medical Education in Memphis. Call the Pediatric Chief Resident at (423) 778-8018 or email her to request approval at [pedchief@erlanger.org](mailto:pedchief@erlanger.org).

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The objectives for this course are to become proficient in performing the neurologic exam on infants and children. Medical students will learn how to assess children with neurological conditions to include seizures, headaches, sleep disorders, movement disorders, and developmental delay. Students will be exposed to interpretation of EEG's, Polysomnograms, MRI's and CT scans. The student will be exposed to advanced treatment modalities such as Baclofen Pumps and Vagal Nerve Stimulation. The student will perform the history and physical exam on both inpatients and outpatients. All patients seen by the student will be reviewed by faculty member. Students will attend morning report Monday through Friday and Grand Rounds on Wednesday.

### **PED3-4030/F PEDIATRIC EMERGENCY MEDICINE-CHATT**

Course Coordinator: Marvin C. Culbertson, III, MD

Course Contact: [marvin.culbertson@erlanger.org](mailto:marvin.culbertson@erlanger.org) 423-778-6060

Approval Authorization: not required

Location: Pediatric Emergency Department

Orientation location: Pediatric Emergency Department, first day of rotation

Size: 1 student total

Overnight Call: yes, scheduled into the rotation

Weekend Work: yes, scheduled into the rotation

Flexibility:

- Half Block: none
- Time off for interviews: negotiable thirty days prior to start of elective
- Off cycle start and stop: not negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: none

Pre-reading: none

Link: Online teaching modules on Blackboard

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The student will learn to evaluate and manage pediatric emergencies, including a wide variety of pathology and acuity. The student will see approximately 100 (out patients) per week. Medical students will evaluate non-critically ill patients first and then, after the attending or resident has evaluated the patient, formulate a treatment plan with the attending. The medical student will observe and assist the attending in evaluation of critically ill patients. Students will have the opportunity to perform PEM procedures. A PEM board certified attending will be present at all times; often times, and a 2nd or 3rd year resident may be present also. The student will attend pediatric resident conferences. Schedule: no night call; every other weekend or split weekends; shift time is negotiable but a minimum of 48 hours per week clinical time is expected.

### **PED3-4031F PICU-CHATT**

Course Coordinator: Dr Patrick Keegan

Contact Information: [patrick.keegan@erlanger.org](mailto:patrick.keegan@erlanger.org) 4237786041

Patty Wolfe, Pediatric Residency Coordinator: [patty.wolfe@erlanger.org](mailto:patty.wolfe@erlanger.org)

Approval Authorization: Rrequired from Dr. Keegan

Location: PICU Erlanger Medical Center

Orientation Location: GME office UTCOM Chattanooga Unit

Size: 1 Student

Work Schedule: Same as Pediatric resident: Two weeks of day shifts/ Two weeks of night shifts.

Weekend shifts: Yes

Flexibility:

Half Block: Two week half elective with no time off

Time off for interviews: Negotiable 30 days prior to start of elective

Off cycle start and stop: Not available

Deadline for Cancellation: 30 days prior to start of elective.

Prerequisites: Core Pediatric Clerkship

Pre-reading

Link: Online course syllabus located on departmental website.

### **This is a face to face clinical rotation receiving 7 credit hours**

This elective is designed to introduce the fourth year medical students to the principles of pediatric critical care medicine, with an emphasis on the evaluation and treatment of the critically ill infant, child, and adolescent. Attention will be placed on the pathophysiology and daily management of critically ill children. In addition structured family centered and multi-disciplinary rounds are an integral part of the rotation.

The medical student will have the same schedule as the pediatric resident. There will be required reading and an end of the rotation examination.

### **PED3-4035/F NEONATOLOGY - CHATT**

Course Coordinator: Nicholas Sherrow, MD

Contact: Patty Wolfe, Pediatric Residency Coordinator [Patty.Wolfe@erlanger.org](mailto:Patty.Wolfe@erlanger.org)

Approval Authorization required: Yes, from Patty Wolfe

Location: Children's Hospital at Erlanger

Orientation location: Pediatric Administrative Office 1<sup>st</sup> floor, Massoud Bldg

Size: 1-2

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: Thirty days prior to start of elective

Blocks offered: All

Prerequisites: Core Pediatric Clerkship

Pre-reading: Neonatology by Tricia Gomella, Section III (On-Call Problems)

Link: None

**This is a face to face clinical rotation receiving 7 credit hours.**

This elective is structured to provide the interested student an opportunity to develop skills in physical examination on neonates, in the recognition of neonatal illness, and in proper therapeutic intervention. Programmed as substitute intern, the elective student will work as a member of the house staff team and will have night call rotations with the physician staff. An attending neonatologist will make daily teaching rounds with students and residents who will also provide supervision during the rotation. Patient care responsibilities will be in the normal newborn nurseries in Baroness Erlanger Hospital and in the Neonatal Intensive Care Unit at Children's Hospital at Erlanger. Conferences will include 3 weekly pediatric conferences (Monday, Tuesday, and Thursday), Pediatric Grand Rounds (Wednesday) and pediatric lecture series (Friday afternoon).

**PED3-4060/F PEDIATRIC CARDIOLOGY-CHATTANOOGA**

Course Coordinator: Gerald Johnson, MD

Contact Information: Patty Wolfe, Pediatric Residency Coordinator,  
[Patty.Wolfe@erlangers.org](mailto:Patty.Wolfe@erlangers.org)

Approval Authorization Required: Must contact and receive approval from the Course Coordinator before scheduling with the Office of Medical Education in Memphis. Call the Pediatric Chief Resident at (423) 778-8018 or email her to request approval at [pedchief@erlangers.org](mailto:pedchief@erlangers.org).

Location: Children's Hospital at Erlanger

Orientation location: Whitehall Bldg, first floor

Size: 1 Student total per block

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for Interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Negotiable with permission of Office of Medical Education and of Course Coordinator

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: Core Pediatric Clerkship

Pre-reading: None

Link: None

**This is a face to face clinical rotation receiving 7 credit hours.**

This elective is designed to give the student who plans to practice family medicine or pediatrics the skills necessary for diagnosis and management of a wide variety of congenital and acquired cardiovascular problems in children. Emphasis will be placed on proper clinical skills, and on the utilization and interpretation of appropriate diagnostic testing. The student will learn to manage most outpatient cardiac problems and will acquire skills necessary in making judgments concerning which patients should be referred to a specialized cardiovascular center. The student will participate in patient evaluation, and in the interpretation of diagnostic data, including examination findings, EKG's, and in the interpretation of reported echocardiographic and cardiac catheterization data. The rotation is predominantly outpatient, but participation in inpatient consultations is encouraged. Students will also be expected to attend Cardiac Catheterization Conference, Pediatric Grand Rounds, and Pediatric Morning Report.



### **PED3-4070/F PEDIATRIC ENDOCRINOLOGY-CHATT**

Course Coordinator: Alexandra Martin, MD

Contact: Patty Wolfe, Pediatric Residency Coordinator [Patty.Wolfe@erlanger.org](mailto:Patty.Wolfe@erlanger.org)

Location: Children's Hospital at Erlanger

Size: 1

Overnight call: none

Weekend work: none

Flexibility:

- Half block: May be taken as a 2 week half elective with no time off.
- Time off for interviews: Negotiable
- Off cycle start and stop: not negotiable

Deadline for cancellation: Thirty days prior to start of elective

Blocks offered: all

Pre-requisites: core clerkship in pediatrics

Pre reading: None

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

**Note: Must contact and receive approval from the Course Coordinator before scheduling with the Office of Medical Education in Memphis. Call the Pediatric Chief Resident at (423) 778-8018 or email her to request approval at [pedchief@erlanger.org](mailto:pedchief@erlanger.org).**

The student will participate in all phases of the care of children and adolescents with suspected endocrine disorders, including growth failure, type I diabetes mellitus, disorders of puberty, abnormal genital development, and thyroid dysfunction. The elective stresses skills in taking histories, planning diagnostic evaluations, patient and family education, and motivational counseling. Daily contact and supervision with attending physician and house staff. Morning report and noon conference daily, plus pre-clinic and post-clinic endocrine conferences. On call for all endocrine emergencies.

### **PED3-4080/F PEDIATRIC GASTROENTEROLOGY AND NUTRITION-CHATT**

Course Coordinator: Alicia Andrews, MD

Contact: Patty Wolfe, Pediatric Residency Coordinator [Patty.Wolfe@erlanger.org](mailto:Patty.Wolfe@erlanger.org)

Approval Authorization required: Yes

Location: Children's Hospital at Erlanger

Size: 1

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: Not negotiable
- Time off for interviews: Negotiable
- Vacation: Not negotiable

Deadline for cancellation: Thirty days prior to clerkship start date

Blocks offered: All

Prerequisites: Pediatric clerkship

Pre-reading: None, but will have reading assignment during rotation

**Note: Must contact and receive approval from the Course Coordinator before scheduling with the Office of Medical Education in Memphis. Call the Pediatric Chief Resident at (423) 778-8018 or email her to request approval at [pedchief@erlangers.org](mailto:pedchief@erlangers.org).**

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The objective of this course is to become acquainted with the common diagnoses and clinical management of pediatric gastrointestinal disorders. The student will have the same responsibilities and expectations as an intern. Inpatient responsibility includes caring for up to 6 patients per week follow the inpatients on a daily basis as well as perform new inpatient consults. In the outpatient setting you will see both new and established patients, playing an active role in the decision making and management of these patients. You will also have the opportunity to observe endoscopic procedures and active participation will be encouraged with a review of pathologic findings. There will be close faculty supervision--and an expected amount of reading is to be completed. There is both a pre and post-test for this rotation. The student will attend the rotation daily, morning report as well as all academic sessions. No night call or weekends.

### **PED3-4100/F PEDIATRIC HEMATOLOGY/ONCOLOGY-CHATT**

Course Coordinator: Jennifer Keates-Baleeiro, MA, M.D.

Contact: Patty Wolfe, Pediatric Residency Coordinator [Patty.Wolfe@erlangers.org](mailto:Patty.Wolfe@erlangers.org)

Approval Authorization: none.

Location: Children's Hospital at Erlanger; Pediatric Hematology Oncology; 5<sup>th</sup> floor Massoud Building

Orientation location: Children's Hospital Residency Coordinator, 1<sup>st</sup> floor Massoud Building

Size: 1 medical student, may be paired with a resident

Overnight call: none

Weekend work: none

Flexibility:

- Half Block: Prefer a full four weeks, however, a Half Block if necessary may be taken as a ten working day, two week half elective, no time off.
- Time off for interviews: only if a full four weeks is anticipated.
- Off cycle start and stop: Not Negotiable

Deadline for cancellation: Thirty days prior to start of the elective

Blocks offered: all, supervision is with the four pediatric hematology oncology physicians

Prerequisites: none. Prefer at least one rotation in core pediatrics if possible.

Pre-reading: suggest Pediatric Hematology oncology Secrets, will provide additional reading material/case studies on the rotation.

Link: Blackboard modules in Pediatric hematology oncology for Chattanooga are available

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours for the full four week rotation. Two week rotations will have 3.5 credit hours.**

***Note: Must contact and receive approval from the Course Coordinator before scheduling with the Office of Medical Education in Memphis. Call the Pediatric Chief Resident at (423) 778-8018 or email her to request approval at [pedchief@erlangers.org](mailto:pedchief@erlangers.org).***

Children's Hospital at Erlanger is a full member of the Children's Oncology Group, seeing approximately 50 new oncology patients annually, and is also the Southeast Tennessee regional comprehensive center for hemoglobinopathies and coagulation disorders. This elective will provide the senior medical student with an immersion experience in outpatient pediatric hematology and oncology. Students will learn appropriate diagnostic workup for single and multiple-line cytopenias, lymphadenopathy, coagulation disorders, and childhood malignancies. Students will have the opportunity to become comfortable with lumbar puncture and intrathecal chemotherapy administration, central venous catheter access and care, and bone marrow aspiration and biopsy. One-on-one training is given in the interpretation of common findings on peripheral blood smears during patient encounters. Students will follow a panel of outpatient hematology and oncology patients on a continuity basis for the 4 weeks of their elective, covering a broad variety of common childhood blood disorders and malignancies.

### **PED3-4130/F PEDIATRIC PULMONOLOGY-CHATT**

Course Coordinator: Joel Ledbetter, MD

Contact information: [joel.ledbetter@erlanger.org](mailto:joel.ledbetter@erlanger.org) (423)778-6501

Approval Authorization: Through the chief resident [pedchief@erlanger.org](mailto:pedchief@erlanger.org) (423)778-8018

Location: Pediatric Pulmonology Department Children's Hospital at Erlanger

Orientation location: Pediatrics Administrative office

Contact: Patty Wolfe, Pediatric Residency Coordinator [Patty.Wolfe@erlanger.org](mailto:Patty.Wolfe@erlanger.org)

Size: 1

Overnight call: none

Weekend call: none

Flexibility:

- Half Block: May be taken with no time off
- Time off for interviews: Negotiable but not to exceed 1 week
- Off cycle start and stop: Negotiable with Coordinator and chief resident

Deadline for cancellation: 30 days before start of rotation

Blocks offered: all except December (with the exception of 2 week block for the first 2 weeks)

Prerequisites: Core pediatrics clerkship

Pre-reading: none

Link: On line resident rotation site

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

**Note: Must contact and receive approval from the Course Coordinator before scheduling with the Office of Medical Education in Memphis. Call the Pediatric Chief Resident at (423) 778-8018 or email her to request approval at [pedchief@erlanger.org](mailto:pedchief@erlanger.org).**

This elective provides students an opportunity to participate in the evaluation and treatment of patients with chronic and acute respiratory problems, severe asthma and cystic fibrosis. During the rotation the student will have the opportunity to see pulmonary patients in both the out-patient and in-patient setting. The student will become familiar with pulmonary function testing and other aspects of respiratory care. There will be an opportunity to observe flexible bronchoscopy on a variety of patients from infancy to adolescence. Attendance of morning report and grand rounds is encouraged. There will be an open book self-paced examination.

## **DEPARTMENT OF PLASTIC SURGERY**

### **SUR3-4020/F PLASTIC SURGERY-CHATT**

Course Coordinator: Dr. Jason Rehm

Contact Information: [UTPlastics@thepsg.org](mailto:UTPlastics@thepsg.org) or (423)778-9047

Approval Authorization required: Must have prior approval

Location: The Plastic Surgery Group, PC and Erlanger Health System

Orientation location: The Plastic Surgery Group, Erlanger Medical Mall Suite C-920

Size: 2 Students total

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Negotiable

Deadline for Cancellation: Thirty days before start of elective

Blocks offered: All

Prerequisites: None

Pre-reading: None

Link: None

**This is a face to face clinical rotation receiving 7 credit hours.**

The purpose of this course is to introduce the subspecialty of Plastic Surgery to the student at a first-hand level. The student will become intimately involved in a large volume practice overlooking a Plastic Surgery training program. Specific subjects covered are: Wound Healing, Soft Tissue Injuries, Tumors of the Skin, Tumors of the Head and Neck, Burn Therapy, Diagnosis and Management of Facial Fractures, Cleft Lip and Palate, Craniofacial Deformities, the Hand, and Aesthetic and Reconstructive Surgery. Conferences will include weekly Trauma Rounds (Monday) and Plastic Surgery Grand Rounds (Wednesday). Journal Club and M&M Conference take place once a month following Trauma Rounds (Monday).

**PSYCHIATRY CLERKSHIP and PSYCHIATRY ELECTIVES  
(See Other Rotations at the end of this section)**



## **DEPARTMENT OF RADIOLOGY**

### **RAD3-4010/F DIAGNOSTIC RADIOLOGY-CHATT**

Course Coordinator: Mohammed I Quraishi, MD

Contact Information: [imran@tia-pc.com](mailto:imran@tia-pc.com)

Approval Authorization Required: Must have prior approval from Marc Ann Skarda, [marc.skarda@erlangers.org](mailto:marc.skarda@erlangers.org), 423-778-7371

Location: 2<sup>nd</sup> Floor Main Radiology, Erlanger Health System, 975 E. Third Street, Chattanooga

Orientation location: Radiology Administrative Office, 2<sup>nd</sup> Floor (take D elevator and follow signage)

Size: 2 students total

Overnight call: Optional

Weekend work: None

Flexibility:

- Half Block: May be taken as a two-week half elective with no time off.
- Time off for Interviews – Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not Negotiable

Deadline for cancellation: Thirty days before start of elective

Blocks offered: Fall and Spring

Prerequisites: Biology 101 or Human Anatomy and Physiology 101; Completion of M3 year

Pre-reading: None, but required reading during course

Link: None

**This is a face-to-face clinical rotation offered in the Spring and Fall and receiving 7 credit hours.**

The student electing diagnostic radiology at Erlanger Health System in Chattanooga will be exposed to daily teaching and work conferences and will observe the staff during routine radiographic work, advanced cross-sectional and nuclear imaging, fluoroscopic GI-GU procedures, and special procedures. There are extensive opportunities for independent teaching-file work. The elective's main goals: (1) to familiarize the student with the role of the diagnostic x-ray department in patient care, (2) to familiarize the student with the critical role radiologist-clinician communication plays in patient management, (3) to educate the student regarding the imaging test-of-choice for most clinical problems, (4) to educate the student regarding radiological radiation, cost, and

safety issues, (5) to allow the student to understand what their patient goes through when they order a radiological procedure or test.



## **DEPARTMENT OF SURGERY**

### **SUR3-3001/F SURGERY CLERKSHIP-CHATT**

Course Coordinator: Michael Greer, MD

Contact Information: Gwen Fryar [Gwen.Fryar@universitysurgical.com](mailto:Gwen.Fryar@universitysurgical.com) or Maggie Hamblen [Maggie.Hamblen@universitysurgical.com](mailto:Maggie.Hamblen@universitysurgical.com) 423-778-7695

Approval Authorization Required: No

Location: Erlanger Health System

Orientation Location: Surgery Academic Office Suite 401B

Size: 8

Overnight Call: Eight nights during block

Weekend Work: Two weekends during block

Flexibility: Absence approval only for research presentations with 30 day notice to Clerkship Director

Deadline for Cancellation: 30 days before start of rotation

Blocks Offered: All

Prerequisites: None

Pre-reading: None

Link: None

### **This is a face to face clinical rotation receiving 14 credit hours**

The Chattanooga M3 Surgery Clerkship is organized into four components. Students will spend two weeks on each of the following: General Surgery, Vascular Surgery, Acute Care Service, and Trauma/Critical Care Service. Orientation to the clerkship is given the first day of the rotation. This includes a formal introduction by the Clerkship Director, the Surgery Department Coordinator, the Senior Resident Clerkship Coordinator, and the faculty, chief resident, senior resident and junior residents as well as students assigned. Call schedules and duties may vary according to the rotation but will be clearly delineated at the start of each new rotation.

### **SUR3-3002/F REQUIRED SURGERY SPECIALTIES-CHATT**

Course Coordinator: Michael Greer, MD

Course Contact: Gwen Fryar [Gwen.Fryar@universitysurgical.com](mailto:Gwen.Fryar@universitysurgical.com) or

Maggie Hamblen [Maggie.Hamblen@universitysurgical.com](mailto:Maggie.Hamblen@universitysurgical.com)

Approval Authorization Required: No

Location: Erlanger Health System

Orientation Location: Surgery Academic Office Suite 401B

Size: 4

Overnight Call: None

Weekend Work: None

Flexibility:

- Half Block: Not Negotiable

- Time off for interviews: Not Negotiable
- Off Cycle start and stop: Not Negotiable

Deadline for Cancellation: 30 days before start of rotation

Blocks Offered: 4, 5 & 10

Prerequisites: SUR 3001/F

Pre-reading: None

**This is a face to face clinical rotation receiving 7 credit hours.**

This four-week clerkship exposes the student to the Surgery Specialties of Orthopaedics, Otolaryngology, Pediatric Surgery, and Urological Surgery spending one week spent in each discipline. The course will be graded as Pass/Fail.

### **SUR3-3010/F JI ANY - SENIOR CLERKSHIP IN SURGERY-CHATT**

Course Coordinator: Michael Greer, MD

Course Contact: Gwen Fryar [Gwen.Fryar@universitysurcial.com](mailto:Gwen.Fryar@universitysurcial.com) or

Maggie Hamblen [Maggie.Hamblen@universitysurgical.com](mailto:Maggie.Hamblen@universitysurgical.com)

Approval Authorization Required: No

Location: Erlanger Health System

Orientation Location: Surgery Academic Office Suite 401B

Size: 2

Overnight Call: One in each four week rotation

Weekend Work: Two weekends

Flexibility: Some – must be approved by Clerkship Director

Deadline for Cancellation: Thirty days prior to start of rotation

Blocks Offered: All

Prerequisites: SUR 3001/F

Pre-Reading: None

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

The student will be assigned advanced clinical responsibility, under the direct supervision of the faculty, in the surgical management of patients including pre-operative work-up, operative management, and post-operative care. The student will take regular call rotation with residents; will assist in surgical operations, conferences, weekly clinics, and monthly seminars.

### **SUR3-3030/F JI ANY - SURGICAL CRITICAL CARE-CHATT**

Course Coordinator: Michael Greer, MD

Course Contact: Gwen Fryar [Gwen.Fryar@universitysurcial.com](mailto:Gwen.Fryar@universitysurcial.com) or

Maggie Hamblen [Maggie.Hamblen@universitysurgical.com](mailto:Maggie.Hamblen@universitysurgical.com)

Approval Authorization Required: No

Location: Erlanger Health System

Orientation Location: Surgery Academic Office Suite 401B

Size: 1

Overnight Call: 24 hour on and a 24 hour off rotating call schedule (See description for more detail)

Weekend Work: 24 hour on and a 24 hour off rotating call schedule (See description for more detail)

Flexibility: Some – must be approved by Course Coordinator

Deadline for Cancellation: 30 days before start of rotation

Prerequisites: SUR 3001/F

Pre-Reading: None

**This is a face to face clinical rotation receiving 7 credit hours.**

This elective is to provide an environment with strict faculty supervision dedicated to the education of medical students in the medical and surgical management of critically ill patients: to enhance the development of technical skills and knowledge for the evaluation and treatment of the critically ill patient: to teach medical students to function as an effective member of a critical care management team.

The medical student will be on a 24 hour on and a 24 hour off rotating call schedule with the surgical critical care resident that he/she is assigned to on a buddy type system. It is expected that following call, the medical student will be relieved of all clinical responsibilities by 9:00 a.m. and will not assume any further clinical responsibilities until 7:00 a.m. the following day.

### **SUR3-4010/F GENERAL SURGERY-CHATT**

Course Coordinators: Michael Greer, MD

Course Contact: Gwen Fryar [Gwen.Fryar@universitysurcial.com](mailto:Gwen.Fryar@universitysurcial.com) or

Maggie Hamblen [Maggie.Hamblen@universitysurgical.com](mailto:Maggie.Hamblen@universitysurgical.com)

Approval Authorization Required: No

Location: Erlanger Health System

Orientation Location: Surgery Academic Office Suite 401B

Size: 2

Overnight Call: One in each four week rotation

Weekend Work: Two weekends

Flexibility: Some – Must be approved by Clerkship Director

Deadline for Cancellation: Thirty days prior to start of rotation

Blocks Offered: All

Prerequisites: SUR 3001/F

Pre-reading: None

**This is a face to face clinical rotation receiving 7 credit hours.**

This senior elective includes daily rounds, rounds with teaching staff, grand rounds, out-patient clinic assignments three days per week, conferences on various subjects three days per week, and emergency room assignments. Assignments on the different services include both service and indigent patients. Students have primary responsibilities for diagnostic workup and assistance on surgical procedures of patients assigned to their respective service. I.V. and lab teams are provided by the hospital; therefore, limited paramedical services are supplied by students. Opportunity for technical skills development is afforded through an organized course in the surgical skills laboratory.

**SUR3-4060/F PERIPHERAL VASCULAR SURGERY-CHATT**

Course Coordinator: Michael Greer, MD

Course Contact: Gwen Fryar [Gwen.Fryar@universitysurcial.com](mailto:Gwen.Fryar@universitysurcial.com) or

Maggie Hamblen [Maggie.Hamblen@universitysurgical.com](mailto:Maggie.Hamblen@universitysurgical.com)

Approval Authorization Required: No

Location: Erlanger Health System  
Orientation Location: Surgery Academic Office Suite 401B  
Size: 2  
Overnight Call: One in each four week rotation  
Weekend Work: Two weekends  
Flexibility: Some – Must be approved by Clerkship Director  
Deadline for Cancellation: Thirty days prior to start of rotation  
Blocks Offered: All  
Prerequisites: SUR 3001/F  
Pre-reading: None

**This is a face to face clinical rotation receiving 7 credit hours.**

Program participants are assigned to staff physicians. Patients with vascular (arterial and venous) diseases on the surgery service at Erlanger Hospital as well as private patients serve as case material. The spectrum of diagnosis and treatment of vascular disease is covered. Participants are expected to present cases at weekly vascular conferences and to attend the vascular clinic.

### **SUR3-4061/F THORACIC SURGERY-CHATT**

Course Coordinator Michael Greer, MD  
Course Contact: Gwen Fryar [Gwen.Fryar@universitysurgical.com](mailto:Gwen.Fryar@universitysurgical.com) or  
Maggie Hamblen [Maggie.Hamblen@universitysurgical.com](mailto:Maggie.Hamblen@universitysurgical.com)  
Approval Authorization Required: No  
Location: Erlanger Health System  
Orientation Location: Surgery Academic Office Suite 401B  
Size: 2  
Overnight Call: One in each four week rotation  
Weekend Work: Two weekends  
Flexibility: Some – Must be approved by Clerkship Director  
Deadline for Cancellation: 30 days before start of rotation  
Blocks Offered: All  
Prerequisites: SUR 3001/F  
Pre-reading: None

**This is a face to face clinical rotation receiving 7 credit hours.**

This elective includes participation in the diagnosis, evaluation, and treatment of all disease in the spectrum of thoracic surgery. Students are assigned primary responsibilities with patients on the surgery service at Erlanger Hospital as well as selected private patients under the direct supervision of the listed staff.

## **OTHER ROTATIONS**

### **IDE1-4020/F HEALTH SYSTEM LEADERSHIP**

Course Director: Kevin Spiegel, President and CEO, Erlanger Health System, and  
Adjunct Faculty, Department of Medicine, UT College of Medicine  
Chattanooga

Course Contact: Kitty Quinn [kitty.quinn@erlanger.org](mailto:kitty.quinn@erlanger.org)

Location: Erlanger Health System

Orientation Location: Executive Suite, Erlanger Hospital

Size: 1-2

Overnight call: none

Weekend work: none

Flexibility:

- Off cycle start and stop: Not Allowed

Deadline or cancelation: 30 days before start of elective

Blocks offered: 11 and 12 in 2015, Blocks 1, 2, 3, 4, and 5 in 2016

Prerequisite(s): Admission to the Medical Student Program in Health Policy and  
Leadership

Pre-reading: None

Link: None

**This is a face to face rotation receiving 7 credit hours.**

Students will develop an understanding of the leadership and management characteristics of a healthcare system as part of the overall learning objectives of the Certificate Program. The student will have no responsibility of patients. Students will be assigned to a senior executive with the Erlanger Health System, a primary affiliate with the College of Medicine. This "mentor" will develop, with the student, a project plan for the rotation. Student experiences will vary with the hospital/system and mentor. Expected activities will include attendance at management meetings, participation in Leadership Rounds with hospital management, involvement in ongoing activities of the mentor, maintaining a journal of experiences and completion of a specific project under the guidance of the mentor and prospective faculty. There will be no call or weekend duties.

### **IDE3-4040/F CAPSTONE COURSE -CHATTANOOGA**

Course Director: Mukta Panda, MD, FACP  
Course Contact: Danielle Dillard [Danielle.dillard@erlanger.org](mailto:Danielle.dillard@erlanger.org)

Locations: Erlanger Health System and UTCOMC

Size: 20

Overnight call: none

Weekend work: none

Flexibility:

- Half Block: Not Negotiable
- Time off for interviews: Not Applicable
- Off cycle start and stop: Not Negotiable

Deadline for cancelation: 30 days before start of elective

Blocks offered: Block 2 in 2017, Block 1 in 2018

Pre-reading: educational materials available on CORE

Prerequisite: Must be a 4<sup>th</sup> year medical student

**This is a face to face rotation receiving 7 credit hours.**

### **NEU3-3001/F NEUROLOGY CLERKSHIP-CHATT**

Clerkship Directors: Abdelazim Sirelkhatim, MD (Neurology)

Course Contact: Joyce Poke [Joyce.Poke@erlanger.org](mailto:Joyce.Poke@erlanger.org)

Location: Erlanger Health System

Orientation Location: Department of Internal Medicine, 2<sup>nd</sup> Floor, Whitehall Bldg., 960 East 3<sup>rd</sup>

Size: 3

Overnight call: none

Weekend work: none

Deadline for Cancelation: Thirty days prior to start of elective

Blocks offered: : 1, 3, 9, 11

Prerequisites: None

Pre-reading: none

Link: None

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**



This is a four-week (one block) required clerkship. Students will become familiar with standard diagnostic techniques, become proficient at performing a neurologic examination, become familiar with best practice guidelines. Students will be able to recognize and treat neurological emergencies and common neurologic disorders. Attendance at lectures and teaching conferences is required. Student's final grade is based 50% on a neurology shelf exam and 50% on the attending neurologist's evaluation of their clinical performance. Students will have required didactic sessions to include teleconferencing such sessions from Memphis. Use of shared resources will be key. Faculty will supervise students directly. Students will be expected to attend the regularly scheduled rounds, clinics, video lecture series and participate in the Neurology Clerkship teleconferences run by the Neurology Clerkship in Memphis. There is no student overnight call requirement. Established duty hour rules for students will be followed.

### **NEU3-3010/F SENIOR CLERKSHIP IN NEUROLOGY - CHATTANOOGA**

Course Coordinator: Abdelazim Sirelkhatim, MD

Course Contact: Joyce Poke [Joyce.Poke@erlanger.org](mailto:Joyce.Poke@erlanger.org)

Location: Erlanger Health System

Orientation Location: Department of Internal Medicine, 2<sup>nd</sup> Floor, Whitehall Bldg., 960 East 3<sup>rd</sup>

Size: 1

Overnight call: none

Weekend work: none

Flexibility:

- Half Block: Not Negotiable
- Time off for interviews: Negotiable thirty days prior to start of elective
- Off cycle start and stop: Not negotiable

Deadline for Cancellation: 30 days before start of elective

Blocks Offered: 7,9,12, and 3

Prerequisites: NEU3-3001/F Clerkship

Pre-reading: None

Link: None

**This is a face to face clinical rotation offered in the fall and spring semesters receiving 7 credit hours**

Responsibility will include inpatients, outpatients, and limited neurology night call/weekend call. The student will follow 3-5 patients and will be responsible for H&P daily orders, daily notes, on service notes, discharge summaries, and an up to date list of discharge medications. The student is expected to read about his/her patients and

discuss cases daily with attending. The student will spend two weeks on the inpatient service and two weeks in the outpatient setting. The outpatient weeks will consist of 1 week each in epilepsy, neuromuscular, sleep, or general neurology clinic. The student will receive informal feedback from his/her attending after two weeks and then a summative evaluation at the completion of the clerkship. The student will attend all neurology and other relevant conferences during the rotation. From time to time, there may be late consults.

## **PSY3-3002/F PSYCHIATRY CLERKSHIP-CHATT**

Clerkship Director: Terry Holmes, MD, MPH & TM

Course Contact: Michelle Walker [Michelle.Walker@tn.gov](mailto:Michelle.Walker@tn.gov)

Location: Moccasin Bend Mental Health Institute and Erlanger Health System

Size: 4

Overnight call: none

Weekend work: none

Flexibility:

- Half Block: Not Negotiable
- Time off for interviews: Not Negotiable
- Off cycle start and stop: Not Negotiable

Deadline for Cancellation: 30 days before start of elective

Blocks offered: 2, 4, 10, 12

Prerequisites: Students are strongly encouraged to hold onto their M2- lecture notes in Psychopharmacology and Psychopathology, and to refresh their memory in this domain within the first 36 hours of the clerkship. This prior knowledge is expected from the very first day.

Pre-reading: None

Link: None

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours.**

This 4 week clerkship is located in Chattanooga at Moccasin Bend Mental Health Institute, a 125 bed mental health hospital. All students will attend educational activities organized by the office of the Clinical Director in association with the Department of Psychiatry at the UT COM Memphis. Most didactics will be video-conferenced from Memphis to Chattanooga. Students will be exposed to a broad spectrum of psychiatric disorders. Attendance at lectures and teaching conferences is required. Clinical wards are run by a treatment team headed by an attending psychiatrist and a nurse practitioner. Treatment teams also include a coordinator, a team of social workers and activity therapists, nurses and psychiatric technicians. Psychology services are readily available and available on a consultation basis.

Students' final grade will be a reflection of examination performance (NBME Psychiatry shelf exam), clinical proficiency at psychiatric evaluation and mental status examination.

**PSY3-3010/F JI ANY–SENIOR CLERKSHIP IN ADULT PSYCHIATRY-CHATTANOOGA**

Course Coordinator: Dr. Terry Holmes

Course coordinator: Michelle Walker [michelle.walker@tn.gov](mailto:michelle.walker@tn.gov) and Joyce Poke [joyce.poke@erlanger.org](mailto:joyce.poke@erlanger.org)

Approval Authorization Required: Yes, available only through prior arrangement by course director, and only during certain months of the year. Not available on the scheduler.

Location: Moccasin Bend Mental Health Institute

Size: 1

Overnight call: none

Weekend work: none

Flexibility:

- Half Block: Not Negotiable
- Time off for interviews: Negotiable 30 days prior to the start of the rotation
- Off Cycle start and stop: Not Negotiable

Blocks offered: variable

Prerequisites: core Psychiatry clerkship

Pre-reading: DSM

Link: N/A

**This is a face to face clinical rotation offered in the fall and spring and receiving 7 credit hours**

The student will have responsibility for 4-6 patients per week depending on census.

Students will do the initial workup and present their findings to their Attendings and/or residents. Students will take ownership of their patients, but maintain close supervision.

Daily team meetings; other teaching conferences as available on each site. Students will not be assigned to night call. However, students are welcome to join faculty and on-site staff for emergency triage and evaluation activities, if available. Weekend duties (rounds) will be determined by the individual sites.

**URO3-4010/F Urology Elective – CHATTANOOGA**

Course Coordinators: Amar Singh, M.D.

Contact Information: Stacey Blanks Stacey.blanks@erlanger.org

Approval Authorization required: Must have prior approval from Dr. Singh

Location: Erlanger Health System

Orientation Location: Dept. of Urology @ UT Erlanger Urology – Suite C-295 – Medical Mall – Elevator “C”

Size: 1

Overnight Call: At-home call (Call with resident)

Weekend Work: Yes (rounds with resident)

Flexibility:

- Half Block: Available
- Time off for Interviews: Available
- Off cycle start and stop: Available

Deadline for Cancellation: 30 days before start of elective

Blocks offered: 9, 10, 11, 12

Prerequisites: Must be a 4<sup>th</sup> year Medical Student

Pre-reading: Students are asked to use Smith’s Urology while on rotation and to visit the AUA link at <http://www.auanet.org/education/education-for-medical-students.cfm> for a downloadable medical student AUA curriculum

Link: <http://www.comchattanooga.uthsc.edu/subpage.php?pageId=1202>

**This is a face to face clinical rotation offered in the fall and spring semesters and receiving 7 credit hours.**

This rotation will familiarize the student with basic urology exam, diagnosis and treatment of common urological problems i.e. voiding dysfunction, sexual dysfunction, incontinence, pediatric urological conditions, and stone disease. Students will be directly involved in the diagnosis of planning the evaluation of common urology problems noted above. The student will be trained in minor GU procedures like Foley placement and cystoscopy. The student will be supervised at all times by residents and/or faculty. The student is expected to participate in all urology conferences and prepare a formal presentation at end of rotation.

The goal for the student is to be able to demonstrate efficient history taking skills, physical examination skills, formulate a differential diagnosis, order and interpret common ancillary studies, institute appropriate therapy, make rounds on assigned inpatients, demonstrate proficiency in procedural skills appropriate for the medical student level, under the direct supervision of an attending physician, observe/assist in procedures and provide patient care in an outpatient setting.

