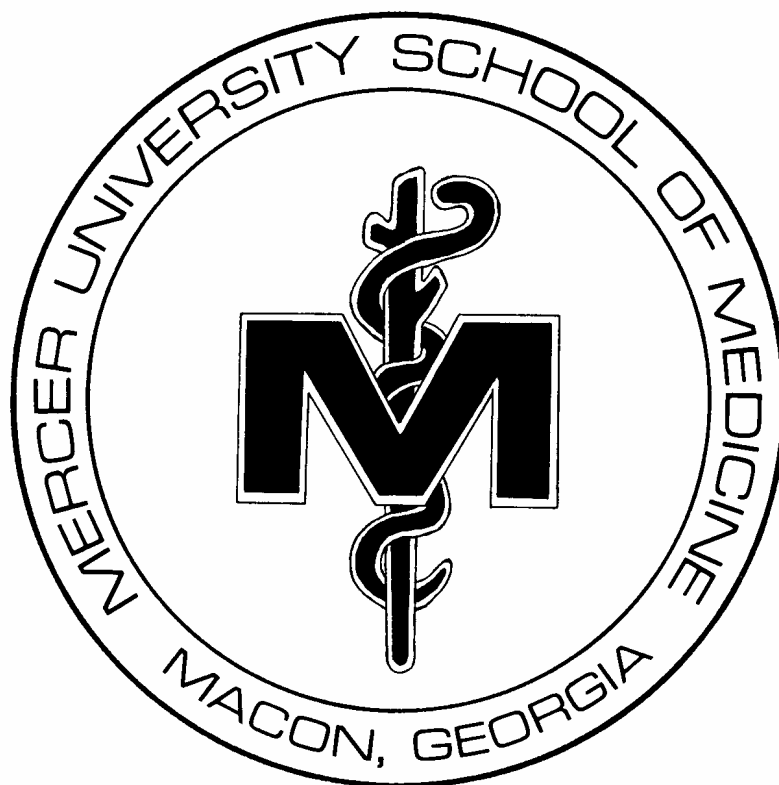


MERCER UNIVERSITY
SCHOOL OF MEDICINE



SENIOR CATALOG
2007-2008

MACON CAMPUS:
Medical Center of Central Georgia
P.O. Box 6000, Hospital Box 30
Macon, Georgia 31208
(478)633-1063 Fax: (478) 633-3217

SAVANNAH CAMPUS:
Memorial Health Univ. Medical Center
P.O. Box 23089
Savannah, Georgia 31403
(912)350-8076 Fax: (912) 350-8998

**MERCER UNIVERSITY SCHOOL OF MEDICINE
SENIOR ELECTIVES CATALOG 2007 – 2008**

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MERCER UNIVERSITY SCHOOL OF MEDICINE

MISSION

To educate physicians and health professionals to meet the primary care and health care needs of rural and medically underserved areas of Georgia

CORE MISSION AREAS

TEACHING – Excellence in educational programs that graduate caring, compassionate, competent health professionals.

SCHOLARLY ACTIVITY/RESEARCH – Discovering new knowledge, integrating and applying knowledge to improve the health status of Georgians.

CLINICAL CARE – Providing high quality, patient-centered, cost effective health care services.

COMMUNITY SERVICE – Reaching out and partnering with neighborhoods and communities

CORE VALUES

COLLABORATION – Working together and respecting each other's contributions

COMPASSION – Showing empathy and concern for the well-being of others

COMPETENCE – Demonstrating mastery of skills of one's profession or vocation

EXCELLENCE – Performing at the highest level and exceeding the expectations of those we serve

INTEGRITY – Unwavering adherence to a professional and ethical code of conduct

RESPECT AND HONESTY – Conducting ourselves in a manner that demonstrates the value of each individual

SERVICE – Offering our talents and skills toward betterment of our communities

VISION

To improve access to quality health care and enhance the health status of Georgia residents and be a recognized leader in educating primary care, rural and community-based health professionals.

~ Endorsed by MUSM Board of Governors, November 15, 2002

Mission and Goals for the Senior Year Mercer University School of Medicine

MISSION – Prepare students for entry into clinical practice through required and elective experiences which facilitate reflection on career goals and choice and enhancement of skills in patient assessment, evaluation and treatment. The fourth year should provide students with a broad-based, rather than specialized, medical education.

VISION – The fourth year programs are planned as a mix of elective rotations, time for interview and reflection, and demanding clinical rotations which will enhance the confidence and competence of the student in preparation for entering clinical practice.

GOALS -

1. The program will prepare students to confidently and competently assess patients with undifferentiated disease, identify their problems, design a plan for diagnosis and treatment and communicate findings to the patient.
2. The program will assist students in selecting their career focus and identifying programs which match goals.
3. The program will facilitate student understanding of the role of the physician in patient care and health of the community.
4. The program will prepare students for entry into clinical training programs.
5. The program will base learning objectives on MUSM curricular competencies.

Senior Year Requirements – 34 Weeks:

1. **Community Medicine** 4 weeks
2. **Emergency Medicine** 4 weeks – General – MUSM Macon or Savannah only
3. **Critical Care 4 weeks** - MUSM Macon or Savannah only
4. **Elective Courses** – 22 weeks
5. **Vacation/Interview** and discretionary time – 8 weeks (for the Class of 2006) (Note: If you choose not to take electives over the Christmas break, you are required to use time from your 8 week allotment of vacation time.)

The **Critical Care** selective requirement can be met on the Macon Campus through the Medical Critical Care, Surgical Critical Care, Pediatric Critical Care, Cardiovascular Critical Care, or Neonatal Critical Care (limited availability). The Savannah Campus offers Medical Critical Care, Surgical Critical Care, Pediatric Critical Care, or Neonatal Critical Care (limited availability).

Students are required to complete a **minimum of 22 weeks** of elective courses for credit. At least **8 weeks** of electives must be MUSM-sponsored electives.

No more than **8 weeks** of elective time may be taken (for credit) in any one specialty.

Students must complete a minimum of **12 weeks** of elective courses that have significant patient contact/patient care responsibilities; these are designated in the catalogue as “**Patient Care Majority, or PCR**”.

“PCR” is defined as *over half* of the elective time is spent in *direct* patient care

Selecting and Scheduling Electives

Students may choose electives which are:

1. **MUSM-sponsored electives** (listed in this elective catalog)
2. **Outside electives** (electives from other US/Canadian **LCME** medical education facilities)
3. **Foreign electives** (electives at a foreign medical education facility)
4. **Student-generated elective** (an elective created with the aid of a preceptor and MUSM- sponsoring department to meet a specific educational need)

The student’s advisor and the Associate Dean of Academic Affairs or the Year IV Program Director must approve all elective choices. Outside electives and student-generated electives require additional approvals by the Curriculum Committee.

Selecting and Scheduling Electives (Cont'd)

MUSM students may register for elective courses for their fourth year beginning in early April of their third year. The following timeline must be strictly adhered to when scheduling electives:

1. MUSM electives – must be scheduled at least **4 weeks** prior to the start of the elective.
2. Outside electives – must be scheduled with all approvals at least **8 weeks** prior to the start of the elective.
3. Foreign electives – must be scheduled, with all approvals, at least **3 months** prior to the start of the elective.
4. Student-generated electives – must be scheduled, with all approvals, at least **8 weeks** prior to the start of the elective.

ELECTIVE APPLICATION SEQUENCE

1. MUSM-Sponsored Electives
 - A. Contact the Medical Student Coordinator's Office and determine if the elective is available.
 - B. Secure application form, complete form, meet with advisor, and obtain advisor's signature
 - C. Submit the form to the Medical Student Coordinator
 - D. The Coordinator will obtain permission from the Year IV Program Director, notify Department Chairman, course preceptors, and confirm elective with student.
 - E. **Eight weeks of electives must be scheduled within the MUSM system.**
2. Non-MUSM Electives
 - A. Contact academic centers where the elective is offered to apply for the elective.
 - B. Submit to the Medical Student Coordinator : a course description from the host institution, letter of acceptance from the host institution, and a completed Non-MUSM Clinical Elective Request Form
 - C. Students who are not proceeding satisfactorily in other clerkships or electives will not be permitted to take clerkships away from the MUSM system. Students must be in good academic standing both at the time of application for an away elective and at the time the rotation begins.
 - D. Requests for foreign electives must be submitted at least six months prior to the start of the elective experience.
 - E. Any student denied approval will be provided with the reasons for the decision upon request. He/she may then request a meeting with the Year IV Program Director for the purpose of reconsidering the decision.
 - F. Further appeals may be directed to the Year Four Subcommittee, then to the Curriculum Committee and ultimately to the Dean of the School of Medicine.

ELECTIVE APPLICATION SEQUENCE (Cont'd)

3. Student-generated electives (SGE)
 - A. Student-generated electives are ones designed by the student to meet specific educational needs for which there are not suitable existing alternatives.
 - B. Student must submit to the Medical Student Coordinator a complete description of the experience including: preceptor, objectives of the course, course description, and method of evaluation; a letter from the preceptor accepting responsibility for the experience and offering the experience to the student; if the preceptor is not a MUSM faculty member, the student must identify a local MUSM faculty member who will endorse the elective and verify appropriateness of the experience and evaluation. A request form is available in the Student Coordinators office that should be completed and submitted for elective review by the CIC.
 - C. The Year IV Program Committee must approve all information; therefore all information must be received at least eight weeks prior to the start date of the elective experience.
 - D. Any student denied approval will be provided with the reasons for the decision. He/she may then request a meeting with the Year 4 Program Director for the purpose of reconsidering the decision.
 - E. Further appeals may be directed to the Year 4 Subcommittee, the CIC and ultimately to the Dean of the School of Medicine.

~Important Notice~

In order for you to receive credit for an elective, MUSM must receive a completed evaluation form from the preceptor. It is the student's responsibility to provide an elective form to the preceptor for all electives. Students are also requested to remind the preceptor, near or at the end of the elective, to complete and mail the evaluation form.

MERCER UNIVERSITY SCHOOL OF MEDICINE

STUDENT GENERATED ELECTIVE REQUEST

Name: _____ **Date:** _____

Address: _____

Phone Number: _____ **Pager Number:** _____

TITLE OF ELECTIVE: _____

DATES: _____

SITE: _____

SPONSORING FACULTY/DEPARTMENT: _____

PHONE NUMBER: _____

COMMUNITY FACULTY CONTACT: _____

ADDRESS: _____

MUSM FACULTY APPOINTMENT: _____ YES (DEPARTMENT _____)

DESCRIPTION OF ELECTIVE/IMPORTANCE OF SGE:

LEARNING OBJECTIVES:

EVALUATION:

PCR MAJORITY: _____ YES _____ NO

APPROVAL STATUS

Not Approved: _____

Approved: **Clinical Clerkship Directors** **Date:** _____

MUSM Curriculum Committee **Date:** _____

General Policies

1. Whenever a student is engaged in an approved elective, the MUSM malpractice liability insurance program protects both the student and the elective preceptor. Information on this program is available through the Registrar's office.
2. MUSM will assume no responsibility for arranging or financing student lodging, travel, or tuition requirements at other medical education institutions.
3. If a student is not registered for an elective, he/she will not receive credit for it, even if the student had the preceptor's approval and has completed the course requirements.
4. **All schedule changes must be completed at least four weeks prior to the start of the elective course.** The Change of Schedule Form must be used both to drop and add courses and should be returned to the Medical Student Program Coordinator when all signatures have been obtained.
5. All elective courses are subject to:
 - Approval by the student's advisor
 - Approval by the Year IV Program Director
 - Approval by the Year 4 Subcommittee and Curriculum Committee (for Student Generated Electives)
6. If circumstances prevent a student from completing a scheduled elective, he/she will be required to make up the elective time or receive an unsatisfactory grade for the elective. The student must send a written explanation of withdrawal to the Department Chairman with copies to the Assistant Dean of Academic Affairs.
7. In order to maintain credibility of MUSM students at external sites, MUSM students must have a history of honoring their commitments. Therefore, electives, not directly supervised by our faculty, may not be dropped once final arrangements have been made except with the written permission of both the external institution and the MUSM sponsoring department.
8. **Time off from curricular activities for interviews:** Taking time off from curricular activities for interviews is not recommended. However, in recognition that interviews in some specialties and at some locations can be difficult to arrange, students may request limited time off from scheduled curricular activities to attend interviews.
All time taken for interviews during scheduled curricular electives/selectives must be reported to the Medical Student Coordinator
 - Time off for interviews will be solely at the discretion of the preceptor.
 - Please check with the preceptor for your rotation prior to arranging your interview schedule.
 - Time off will be limited to no more than 2 days for 2 week experiences, and 3 days for 4 week experiences. The total time off for interviews shall not exceed 6 days for the year.
 - No time off can be taken during Community Medicine without the approval of THE Program Director.
 - No time off can be taken during Emergency Medicine. However, interviews may be conducted while on Emergency Medicine during the regularly scheduled off-duty days.

Class of 2008 Holidays & Important Dates

MUSM Holidays:

Independence Day	Wednesday, July 4, 2007
Labor Day	Monday, September 3, 2007
Thanksgiving	Thursday, Nov. 22 & Friday, Nov. 23, 2007
Christmas Break	December 24 th – January 1 st , 2008
Martin Luther King, Jr., Day	Monday, January 21, 2008
Good Friday	Friday, March 21, 2008

Important Dates:

1 st Day of Year IV	July 16, 2007
Rank Order List Deadline	TBA
“Match Day”	March 20, 2008
Approved associated Match Day activities	March 21, 2008
Graduate Day (MUSM)	May 3, 2008

**Medical Education Contacts
Macon Campus**

Medical Center of Central Georgia
P.O. Box 6000, Hospital Box 30
Macon, Georgia 31208
Phone: 478-633-1063
Fax: 478-633-2584

Office of Medical Student Education

Program Coordinator – Stacy Jackson 478-633-1063

Dean’s Office – Mercer University School of Medicine

Dean – Martin L. Dalton, M.D. 478-301-5570

Assoc. Dean Academic Affairs– Robert B. Hash, M.D. 478-301-2512

Assoc. Dean Faculty Development – Dona Harris, Ph.D. 478-301-5133

Assistant Dean for Clinical Medical Education –

Admissions/Student Affairs/Registrar

Asst. Dean – Roger Comeau, Ph.D. 478-301-2542

Mary Putnam – Enrollment Associate 478-301-2542

Kay Faust – Enrollment Associate 478-301-2542

Medical Education Administration

Assoc. Dean GME/CME – Marcia Hutchinson, M.D. 478-633-1634

Year IV Program Director – David Parish, M.D. 478-301-5840

Financial Aid

Director / Registrar – Youvette D. Hudson 478-301-2589

Academic Records Learning Resources

Academic Resources Specialist – Pat Judd 478-301-4108

Academic Resources Specialist – Renee Thigpen 478-301-4109

Mercer University Medical Library

Reference and Circulation Desk 478-301-4056

Learning Resources Center 478-301-4149

MCCG Health Sciences Learning Resource Center

Reference Desk 478-633-1639

MCCG Beeper System

In-hospital X6262 then enter beeper number

Out-of-hospital 633-2002 then enter beeper number

Senior Pagers

State-wide range For text message go to

www.graylink.com

Department Information

Department of Anesthesiology

Timothy Grant, M.D. 478-633-1190
Roger Masters, CRNA 478-633-1190

Department of Basic Sciences

Chairman – Wayne Glasgow, Ph.D. 478-301-2209

Department of Community Science

Chairman – William F. Bina, M.D. 478-301-2775
Program Director - Marie Dent, Ph.D. 478-301-4081
Program Coordinator – Cheryl Robinson 478-301-5322
Preceptor Program Coordinator – Delores White, MPH 478-301-4053

Department of Emergency Medicine

Chairman - Ralph Griffin, M.D. 478-633-1628
Coordinator – Tommy Pollock 478-633-2761

Department of Family Medicine

Chairman – Fred S. Girton, M.D. 478-784-3553
Clerkship Director – Alice House, M.D. 478-301-4092
Clerkship Coordinator – Jennifer Rayhill, BS 478-301-2879

Department of Internal Medicine

Chairman – Richard Reinhart, M.D. 478-301-5820
Clerkship Director – Rossana Carter, M.D. 478-301-5840
Clerkship Coordinator – Kymberli Hillman 478-301-5840

Department of Obstetrics & Gynecology

Chairman – William Butler, M.D. 478-633-1056
Clerkship Director – David Carnovale, M.D. 478-633-2252
Clerkship Coordinator – Amanda McDaniel 478-633-1056

Department of Pathology

Chairman – Robert S. Donner, M.D. 478-301-2560

Department of Pediatrics

Chairman – Frank P. Bowyer, III, M.D. 478-633-1102
Clerkship Director – Edward Clark, M.D. 478-633-7600
Clerkship Coordinator – Darlene Bowling 478-633-6835

Department of Psychiatry

Interim Chairman – Melton Strozier, Ph.D. 478-301-2218
Clerkship Director – Grady Carter, M.D. 478-301-5930
Clerkship Coordinator – Susan Hill 478-301-4033

Department of Radiology

Chairman – Gus Bootle, M.D. 478-633-7376

Department of Surgery

Chairman – Don K. Nakayama, M.D. 478-633-1891
Clerkship Director – Bruce J. Innes, M.D. 478-633-7101
Clerkship Coordinator – Tammi Ford 478-633-7101

**Medical Education Contacts
Savannah Campus**

Memorial Health University Medical Center
4700 Waters Avenue
Savannah, GA 31404
Phone: 912-350-8076
Fax: 912-350-8998

Office of Medical Student Education
Program Coordinator – Debbie Brickner 912-350-8076

Medical Education Administration
Assoc. Dean – Edward E. Abrams, D. Ed. 912-350-8302
Program Administrator – Jane Nester, Dr. P.H. 912-350-3679
Administrative Assistant – Deborah Rouse 912-350-8302
GME Coordinator – Gina McNamara 912-350-8715

Continuing Medical Education
Director - Shirley Johnson, RN, MSA 912-350-7365
Coordinator - Jennifer Ball, BHS 912-350-8168
Secretary - Theresa Usry 912-350-7835

Presentation Services
Greg Hodge, BA, Manager 912-350-8121
Fred Hodge, AA, BA 912-350-8121
Karen Roeder, BS, BA 912-350-8342
Lamont Comager 912-350-8469

Conference Coordinator/Registrar
Jean Wiggins 912-350-4357

Library Services
Jane Bridges, ML 912-350-8124
Vanessa Wallace-Lonon 912-350-8345
Sylvia Brandon 912-350-9762
Fax 912-350-2199

MHUMC Beeper System
In-hospital X122 then enter beeper number
Out-of-hospital 912-350-8434 then enter beeper number

MHUMC Main Line 912-350-8000

Security Office 912-350-8600

Department Information

Department of Emergency Medicine

Chair – Jay Goldstein, M.D.	912-350-3849
Clerkship Director – Jason Stillwagon, MD	912-350-3849
Secretary – Holli Morgan	912-350-3849

Department of Family Medicine

Chair & Program Director	912-350-8837
Program Coordinator – Joanne Warman	912-350-8837
Clerkship Director – Kennedy Okere, M.D.	912-350-8039
Clerkship Coordinator – Brenda Cox	912-350-8039

Department of Internal Medicine

Chair & Program Director – Steven Carpenter, M.D.	912-350-8372
Program Coordinator – Lynn Krzmarzick	912-350-7573
Secretary – Sandra Simmons	912-350-8372
Interim Clerkship Director – Wade Fletcher, M.D.	912-350-8350
Clerkship Coordinator – Sandra Simmons	912-350-8350

Department of Obstetrics & Gynecology

Chair & Program Director – Donald Gallup, M.D.	912-350-7022
Program Coordinator – Nancy Manley	912-350-3595
Secretary – Barbara Cox	912-350-1368
Clerkship Director –	912-350-1368
Clerkship Coordinator – Barbara Cox	912-350-1368

Department of Pediatrics

Director of Children’s Services – Eric Pearlman, M.D.	912-350-8016
Chair – Jean Wright, M.D.	912-350-8193
Program Coordinator – Deborah Chapman	912-350-8193
Secretary – Barbara Friedenberg	912-350-8016
Clerkship Director – Natalie Hogan, M.D.	912-350-8194
Clerkship Coordinator – Melissa Goodman	912-350-8194

Department of Psychiatry

Acting Director – Grady Carter, M.D.	478-301-4033
Assoc. Clerkship Director – William G. Ellien, M.D.	912-350-3075

Department of Radiology

Chair & Program Director – Charles Brown, M.D.	912-350-7394
Program Coordinator – Miriam Lariscy	912-350-7394

Department of Surgery

Chair & Program Director – Steven Brower, M.D.	912-350-5900
Program Coordinator – Mollie Hall	912-350-8598
Administrative Assistant	912-350-5900
Clerkship Director – Oliver Whipple, M.D.	912-350-8607
Clerkship Coordinator	912-350-5900

Guidelines for Visiting Medical Students

Applications will not be reviewed for admission until June 1 of the school year the student wishes to attend. Applications will not be reviewed unless they are complete. Incomplete applications will be returned to the student for completion. Please be aware that both campuses are unable to provide housing during the rotation. Accepted students are responsible for securing their own housing for the rotation. Any questions can be directed to the Medical Student Program Coordinator at the requested site.

Macon Campus: Stacy Jackson, 478-633-1063

Savannah Campus: Debbie Brickner, 912-350-8076

1. The student must be currently enrolled, in good standing, in his/her final year of medical school.
2. The student must be currently enrolled, in good standing, at an LCME or CACMS accredited Allopathic Medical School, or an AOA accredited Osteopathic Medicine School
3. The student must provide proof that he/she has taken and passed the USMLE Step I exam or it's equivalent.
4. The student must provide proof that he/she has successfully completed all prerequisites for the course(s) he/she is applying to for admission.
5. The student must provide proof that his/her school's malpractice insurance will cover him/her while visiting our institutions.
6. The student must provide proof that he/she is current on all required immunizations (see list of immunization requirements below) including a TB skin test within the preceding 6 months.
7. The student must provide proof that he/she has received training on infection control and blood-borne pathogens.
8. The student must complete the Mercer University HIPAA training module, examination, and provide a signed copy of the Notice of Privacy Practice Agreement prior to beginning the elective. All of the preceding and information regarding Mercer University's HIPAA compliance can be obtained on-line. Contact the Medical Student Coordinator at the selected campus to arrange access to this information.
9. The student must provide proof that his/her health care insurance covers the student while at our institution and that the policy provides for repatriation in the event of serious illness or death.

**Mercer University School of Medicine
Visiting Student Record of Immunizations**

Name _____ SS# _____ DOB _____

TB Testing: PPD (Mantoux) is required & must have been done within the six months before the first day of class. Students who have had a positive TB test must submit a chest x-ray report with documentation of a normal chest x-ray. An official chest x-ray report must be attached.

PPD Reading _____ mm POS __NEG__ Date _____

REQUIRED IMMUNIZATIONS

Measles (Rubella): two immunizations are required for all students born after 1956.

Rubella or MMR Date of Dose #1 _____ Date of Dose #2 _____

or positive Rubella titer. Copy of lab report must be attached.

Mumps: one immunization is required for all students born after 1956, or date of physician- diagnosed disease.

Mumps vaccine or MMR Date _____

or positive Mumps titer. Copy of lab report must be attached.

or physician-diagnosed disease Date _____

Rubella: one immunization is required for all students.

Rubella vaccine or MMR Date _____

or positive rubella titer. Copy of lab report must be attached.

Chickenpox (Varicella)

Disease: Yes No Date _____

or positive Varicella titer. Copy of lab report must be attached.

or Varicella vaccine: Date of #1 _____ Date of #2 _____

Tetanus/Diphtheria Date primary series completed _____

Date of last booster (must be within 10 years) _____

Polio Date series completed _____ Type of Vaccine: Oral ___ Inact. ___ E-IPV ___

Date of Booster _____

Hepatitis B:

Dates received: #1 _____ #2 _____ #3 _____

Titer: Date _____ Results _____ Lab report must be attached.

Information Certified by: _____

(Signature of Health Care Official)

STAMP

INFORMATION FOR FACULTY & PRECEPTORS

The following criteria are used to designate a proposed course as an Approved Elective in the MUSM system:

1. The experience must be intellectually rigorous and challenging to Year IV student, as judged by the appropriate MUSM departmental faculty.
2. The experience must have specified learning objectives concerning knowledge, skills, and attitudes; and these must be consistent with the aforementioned mission of the School of Medicine and the general goals of the Year IV electives.
3. The experience must be supervised by an elective preceptor who meets the following criteria:
 - Available and willing to provide supervision and instruction
 - Holds a current appointment to the faculty of MUSM. (Waived for away electives taken at LCME accredited medical schools and ACGME accredited residency training programs)
 - Assumes responsibility for the student while engaged in elective activities
 - Agrees to provide timely evaluation of the student's performance
4. The experience must have specified evaluation criteria
5. Each department will review experiences proposed for electives and submit the proposed elective to the CIC for approval.

NOTIFICATION OF PRECEPTORS AND FACULTY

Academic and Clinical Departments:

The Medical Student Coordinator will notify the clerkship directors, clerkship coordinators, or department chairmen monthly of the scheduled electives in their department and all changes. The department designee will be responsible for notifying the affected involved of the changes in the schedule.

Other Preceptors:

The Medical Student Coordinator will notify the preceptor as soon as possible of any scheduled electives and changes, with the intent of providing at least 4 week notice when possible.

DEPARTMENT OF ANESTHESIOLOGY

**MEDICAL CENTER OF CENTRAL GEORGIA
777 HEMLOCK STREET
MACON, GEORGIA 31208
478-633-2605**

Course Number	Course Name
ANE.M01 ANE.S01	Anesthesiology

Mission Statement: The mission of the Anesthesiology Rotation is to prepare primary care physician candidates with the knowledge and the skills needed to provide emergency intravenous access, airway management, resuscitation, and basic knowledge on the pharmacology and physiology of pain management; so it can enrich their overall knowledge and the quality of the care provided to their patients in their future rural practices.

ANESTHESIOLOGY

ANE.M01

DURATION: 2 – 4 weeks Macon – 4 weeks Savannah

ENROLLMENT: Maximum 2 students

VISITING STUDENTS: No

PCR MAJORITY: Yes

PREREQUISITE	Successful completion of THIRD YEAR CLERKSHIPS
ANE.M01	Department of Anesthesiology MCCG, Anesthesiology Office, 7 th floor, Doctor's Building – 840 Pine St., Suite 770, Macon, Georgia. Physician Contact - Dr. Timothy Grant, 478-633-1190
ANE.S01	Debbie Brickner – 912-350-8076

DESCRIPTION:

The student will be exposed to all aspects of the practice of anesthesia, including pre-and post-anesthetic evaluation, physiological monitoring, intravenous and arterial cannulation, fluid and electrolytes management, resuscitation, airway management, treatment of acute and chronic pain, (IV and IM narcotics, neuraxial blocks, peripheral nerve blocks), and the use of general anesthetic drugs. The student will rotate through each subspecialty of the practice of anesthesia (cardiac, orthopedics, pain, OB, Neuro, etc.) in order to gain an appreciation of the full scope of the practice of anesthesiology. The student will participate in scheduled departmental meetings and teaching conferences. Reading material will be provided.

OBJECTIVES:

- To provide medical students exposure to clinical, pharmacological, and physiological principles that apply to the specialty of Anesthesiology.
- To acquaint the student with the theoretical and technical aspects involving the administration of anesthetics and analgesics
- To acquaint the student with the management of acute chronic pain
- To introduce the student to basic intraoperative fluid management, airway management, and resuscitation techniques.

EVALUATION:

Student evaluations are based on clinical performance during the rotation. In addition, a written assignment will be administered during the rotation covering the reading material provided. Evaluations will be based on satisfactory performance of this assignment.

DEPARTMENT OF BASIC SCIENCES

Mercer University School of Medicine
1550 College Street
Macon, Georgia 31207
478-301-2600

Course Number	Course Name
BAS.M01	Anatomy for Surgeons
BAS.M02	Biochemistry Research
BAS.M03	Special Topics – An Interdisciplinary Approach
BAS.M04	Advanced Genetics Research
BAS.M05	Cancer Genetics
BAS.M06	Molecular Genetics
BAS.M07	Neuroscience Research
BAS.M08	Nutrition & Dietetics in Clinical Research
BAS.M09	Research in Basic Science

**** Basic Science Electives are not available on the Savannah Campus*

ANATOMY FOR SURGEONS

BAS.M01

DURATION: 2 weeks – Course is not available during May and June
ENROLLMENT: Maximum 4 students
VISITING STUDENTS: No
PCR: No

PREREQUISITE: Passing score – USMLE Step I (Anatomy Section)
FACULTY: Asa Black, Ph.D.
REPORT: MUSM, Macon, Georgia, by arrangement with Dr. Black
****Note: Enrolled students must contact Dr. Black two weeks prior to the first day of the rotation to arrange course times.**
CONTACT: Students should contact Dr. Asa Black, Ph.D., 301-4013, e-mail:black_ac@mercer.edu, two weeks prior to the first day of the rotation to arrange course times.

DESCRIPTION:

This elective will provide a full-time dissection/reading course individually designed to fit the student's learning or career needs. Designate area of interest at enrollment. This course is Monday –Friday 9am-5pm

OBJECTIVES:

- To provide the interested student with learning opportunities not otherwise available to dissect selected regions or systems.

EVALUATION:

Final grade is dependent upon:

1. Number and quality of dissected specimens
2. A paper and/or presentation on a topic of interest to the student

BIOCHEMISTRY RESEARCH

BAS.M02

DURATION: 2 weeks
ENROLLMENT: Maximum 2 students
VISITING STUDENTS: No
PCR: No

PREREQUISITE: Successful completion of BMP Program

FACULTY: Michael Horst, Ph.D.

REPORT: Medical School Building, Macon, Georgia

Note: course will meet for 5 hours per day. Student must contact Dr. Horst **two weeks prior** to the first day of the elective to arrange course times.

CONTACT: Michael Horst 301-2529 E-mail: Horst_MN@mercer.edu

DESCRIPTION:

A few students who have been majors in biochemistry may wish to work in the laboratory because they enjoy the experience. Alternately, a student may actually wish to explore a particular aspect out of curiosity. Faculty guidance is required in selection of topic and in the actual lab work.

OBJECTIVES:

- To introduce interested, motivated students to biochemical methods of experimentation
- To attempt to solve, through experimentation, a specific problem which either the student or faculty member wishes to explore

EVALUATION:

Subjective evaluation of student's performance.

SPECIAL TOPICS – AN INTERDISCIPLINARY APPROACH

BAS.M03

DURATION: 2 weeks
ENROLLMENT: Maximum 2 students
VISITING STUDENTS: No
PCR: No

PREREQUISITE: Successful completion of BMP Program

FACULTY: Michael Horst, Ph.D.

REPORT: Medical School Building, Macon, Georgia
Note: course will meet for 3 hours per WEEK. Student must contact Dr. Horst **two weeks prior** to the first day of the elective to arrange course times.

CONTACT: Michael Horst 301-2529 E-mail: Horst_MN@mercer.edu

DESCRIPTION:

An area, which will have had relatively little exposure, is inborn errors of metabolism. The topics included in this subject area lend themselves well to an interdisciplinary approach between genetics, pathology, physiology, and biochemistry. One example is cystic fibrosis, a relatively common disease which will not have been discussed in the first two years.

Because the title is so broad, the topic(s) to be presented could be those requested by the student.

This course will require outside research and reading.

OBJECTIVES:

- To present topics which have an interdisciplinary basis that will not have been discussed in the BMP tutorials.

EVALUATION:

Oral and/or written examination (term paper)

ADVANCED GENETICS REVIEW

BAS.M04

DURATION: 2 weeks
ENROLLMENT: Maximum 4 students –
***Must be Pre -approved by Dr. Adkison**
VISITING STUDENTS: No
PCR: No

PREREQUISITE: Successful completion of BMP Program
FACULTY: Linda R. Adkison, Ph.D.
REPORT: MUSM, Macon, Georgia
CONTACT: Linda R. Adkison, Ph.D. 301-2513

DESCRIPTION:

Resources will include library materials, videos, internet search vehicles, and handouts. This elective will require independent study and discussions with the preceptor. Specific primary care specialties will be the focus of each individualized review. Designate area of interest at enrollment.

OBJECTIVES:

- To provide a more comprehensive study of genetic conditions which the practicing physician may encounter.

EVALUATION:

Student will complete two written assignments. This elective is divided into areas of interest for students interested in reviewing genetics associated with a particular specialty. Areas include: pediatric, ob/gyn, internal medicine, family practice, and bone dysmorphologies.

CANCER GENETICS**BAS.M05****DURATION:**

2 weeks

ENROLLMENT:***Must be Pre-Approved by Dr. Adkison****VISITING STUDENTS:**

No

PCR:

No

PREREQUISITE:

Successful completion of BMP Program

FACULTY:

Linda R. Adkison, Ph.D.

REPORT:

MUSM, Macon, Georgia

CONTACT:

Linda R. Adkison, Ph.D. 301-2513

DESCRIPTION:

This elective will provide a detailed review of cancer genetics. Topics covered will include clinical laboratory methods for cancer genetic susceptibility testing, risk analysis, hereditary colorectal cancer syndromes, breast and ovarian cancers, pediatric cancers, multiple endocrine neoplasia type II, and familial melanoma. Resources will include slides and handouts. Students will meet Monday, Wednesday, and Friday morning. Intersession readings will be provided. An interactive format will be encouraged.

OBJECTIVES:

- To provide a comprehensive study of genetics and known cancers.

EVALUATION:

Student will complete two written assignments.

MOLECULAR GENETICS

BAS.M06

DURATION: 2 weeks
ENROLLMENT: Maximum 4 students
* **Must be Pre-approved by Dr. Adkison**
VISITING STUDENTS: No
PCR: No

PREREQUISITE: Successful completion of the first year of medical school
FACULTY: Linda R. Adkison, Ph.D.
REPORT: MUSM, Macon, Georgia
CONTACT: Linda R. Adkison, Ph.D. 301-2513

DESCRIPTION:

This elective will provide hands-on experience in a laboratory actively using molecular genetic techniques. Such experience will be individualized to the interests of the student and may include any of the following techniques along with interpretations of results using these techniques: gel electrophoresis, Southern or Northern blot analyses, polymerase chain reaction, RFLP analysis, etc. Special requests by a student will be considered.

OBJECTIVES:

- To provide an actual laboratory experience for better understanding the techniques now being used in both preclinical and clinical diagnostics in the area of genetics

EVALUATION:

An oral examination during the process of completing techniques and analyzing results will be conducted throughout the elective.

NEUROSCIENCE RESEARCH

BAS.M07

DURATION: 2 – 4 weeks
ENROLLMENT: Maximum 2 students
VISITING STUDENTS: Yes
PCR: No

PREREQUISITE: Successful completion of BMP Program

FACULTY: Tina Thompson, Ph.D.

REPORT: MUSM labs, Macon, Georgia

Note: Report 8:00 a.m. the day of the rotation. Contact Dr. Thompson two weeks prior to the start of the rotation to arrange schedule and to discuss topic.

CONTACT: Tina Thompson, Ph.D. 301-2556

DESCRIPTION:

The student will have the opportunity to explore through laboratory and/or literature research, an area of interest in the field of neuroscience. This course is designed to expose the student to state-of-the-art research techniques and to broaden his/her appreciation for the role of biomedical research in the advancement and practice of medicine. The area of research is less important than the process although it is expected that the student will decide on a project, which is within the expertise of the preceptor(s).

Mission compliance is indirect: the course is designed to enhance the student's ability to think critically and to effectively evaluate the ever-expanding medical literature, which heavily emphasizes the basic sciences.

OBJECTIVES:

- To provide students with hands-on research experience.
- To educate the student in the basic principles of hypothesis testing including experimental design, data analysis, and manuscript preparation, and or evaluation

EVALUATION:

The student's progress will be evaluated through daily interactions with the preceptor. Final evaluation will be based on the completion of a research paper. All work must be completed within three months from the start of the elective or a grade of Unsatisfactory will be assigned.

NUTRITION & DIETETICS IN CLINICAL MEDICINE

BAS.M08

DURATION:	2-4 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	No
PCR:	No

PREREQUISITE:	Successful completion of BMP Program
FACULTY:	Nutrition: Brian Tobin, Ph.D.
REPORT:	MUSM and MCCG, Macon, Georgia
CONTACT:	Brian Tobin 301-4046 E-mail: Tobin_bw@mercer.edu

DESCRIPTION:

This clerkship is designed to give fourth year senior medical students the opportunity to pursue, in-depth, a contemporary issue in clinical nutrition. The student will refine their basic science knowledge on the topic, present their knowledge in paper, seminar, or patient rounds format, and learn appropriate strategies for implementing scientifically justified principles of nutrition science and dietetics in clinical medicine. Three specific areas are covered in this clerkship:

- **Identifying knowledge gaps:** reviewing nutrition research and dietetics principles in the basic and clinical sciences.
- **Personal knowledge development:** refinement and presentation of knowledge base in an area selected by the student.
- **Clinical application:** applying evidence based principles of nutrition and dietetics in clinical practice.

EVALUATION:

Evaluations are based on the ratings provided on the Elective Clerkship Evaluation form. The categories of **student performance, medical knowledge, independent learning, and problem-solving abilities** will be stressed. A numerical score is assigned to each category and an overall grade is then recorded as Honors, Satisfactory, Unsatisfactory, or Incomplete.

RESEARCH IN BASIC SCIENCE**BAS.M09**

DURATION: 2 – 4 weeks
ENROLLMENT: up to 4 (depending on faculty availability)
VISITING STUDENTS: No
PCR MAJORITY: No

PREREQUISITE:	Successful completion of Year 1 Curriculum
FACULTY:	Brian Tobin, Ph.D
CONTACT:	MUSM Basic Science Dept. 478-301-4026

DESCRIPTION: The student will participate in at basic science research in as many aspects as possible in the allotted time, including research idea generation, literature search, hypothesis generation, project planning, bench research, data analysis, and presentation of results. Inclusion of the student as a contributing author in any presentation/publication is possible.

Students may choose between the available faculty and work with the selected faculty on a current research topic of mutual interest. The DBMS Chair will take responsibility for linking students with faculty, assuring adequate faculty-student interaction, and providing the necessary resources to achieve the agreed upon goals of the particular experience.

Each student experience will be individually tailored based upon student interest, faculty availability, and the length of the elective experience.

OBJECTIVES:

1. To expose and involve students in state-of-the-art research techniques and methods,
2. To promote to the student the link between basic science research and clinical practice
3. To facilitate, through hands on application, the student's appreciation for and knowledge of sound research methodology.
4. To facilitate involvement of students in active medical research

EVALUATION: Evaluation will consist of the faculty assessment of daily interactions with the student through the use of the standard elective evaluation form. Contribution toward publication or presentation of results is encouraged, but not required.

DEPARTMENT OF BIOETHICS

Mercer University School of Medicine
1550 College Street
Macon, Georgia 31207
478-301-2600

Course Number	Course Name
ETH.M01	The Humanities and Medicine
ETH.M02 ETH.S02	Issues in Bioethics

THE HUMANITIES AND MEDICINE

ETH.M01

DURATION:	2 Weeks
ENROLLMENT:	Maximum 3 students
VISITING STUDENT:	No
PCR MAJORITY:	No

PREREQUISITE: Successful completion of third year Clerkships.

ETH.M01 : Karen Kovach, Ph.D., Ted Blumoff, Ph.D, J.D., Contact preceptor at least one week prior to the start of the course. 478-301-4030
E-mail: Dr. Blumoff – tblumoff@gmail.com
E-mail: Dr. Kovach - Kovach_ka@mercer.edu

DESCRIPTION:

This elective provides the opportunity for the student to relate his or her medical knowledge to some topic of interest in the humanities (defined in this context as art, literature, history, philosophy, or religion). For example, the student might wish to study the understanding of death expressed in selected novels, or the relationship of the philosophical concept of being to biological existence, or the relationship of religious faith to healing. Whatever the student's topic of choice, it is the intention to allow the student to analyze an issue in the practice of medicine from a point of view other than the biomedical or scientific. The choice of an appropriate and meaningful topic is the responsibility of the student.

OBJECTIVES:

- The student will identify the issue of interest in the area of humanities and medicine. The topic the student wishes to pursue must be approved by the instructor prior to the beginning of the elective.
- In consultation with the instructor, the topic will be refined as required and a program of study developed.
- As a result of the student's study and as specified in the program of study, the student will submit a written report to the instructor

EVALUATION:

The instructor will evaluate the report and complete a subjective evaluation which will be based on the instructor's perception of the student's performance, knowledge, skills, attendance, and attitude during the rotation.

ISSUES IN BOIETHICS

ETH.M02, ETH.S02

DURATION: 2 Weeks
ENROLLMENT: Maximum 3 students
VISITING STUDENT: No
PCR MAJORITY: No

PREREQUISITE: Successful completion of third year Clerkships.
ETH.M02: Karen Kovach, Ph.D., Ted Blumoff, Ph.D, J.D. Contact preceptor at least one week prior to the start of the course. 478-301-4030
E-mail: Dr. Blumoff – tblumoff@gmail.com
E-mail: Dr. Kovach - Kovach_ka@mercer.edu
ETH.S02: Martin Greenberg, M.D. Contact preceptor at least one week prior to the start of the course. 912-350-8805
E-mail: greenma2@memorialhealth.com

DESCRIPTION:

This elective is designed to allow the student to investigate, in depth, a bioethical issue of the student's choice. The student will be expected to arrive at a personal, tentative position regarding the issue based upon a review of relevant literature.

OBJECTIVES:

- The student will identify an issue in bioethics of personal interest. The student should secure the instructor's approval of the issue selected before the beginning of the elective.
- In consultation with the instructor, the topic will be refined as required and a plan of research developed.
- The student will survey the literature relating to the topic. Interviews with individuals who might contribute to the student's research are encouraged.
- The student will formulate a position paper on the issue which must include:
 - An overview of the issue as reflected in current bioethical thought which clearly illustrates the major alternative resolutions available
 - A personal, tentative resolution of the issue which demonstrates a process of systematic analysis and the identification of personal values as they relate to the position assumed.

EVALUATION:

The instructor will evaluate the paper and complete a subjective evaluation that will be based on the Preceptor's perception of the student's performance, knowledge, skills, attendance, and attitude during the rotation.

DEPARTMENT OF COMMUNITY MEDICINE

Mercer University School of Medicine
1550 College Street
Macon, Georgia 31207
478-301-2775

Course Number	Course Name
CMP.M01	Community Medicine
CMP.M02	Migrant Health Care
CMP.M03	End of Life Issues: A Community Responsive Approach
CMP.M04	Managed Care
CMP.M05	Biostatistics in Clinical Medicine
CMP.M06	Fundamentals of Epidemiology
CMP.M07	Introduction to Public Health
CMP.M08	International Health
CMP.M10	Research in Population Health

COMMUNITY MEDICINE

CMP.M01

DURATION:	2 - 4 weeks
ENROLLMENT:	Maximum 1 student/site
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE:	Completion of Year Two Community Medicine Requirement
FACULTY:	Mercer University School of Medicine Community Preceptors
REPORT:	Selected rural and/or underserved sites, Georgia.
CONTACT:	Dr. Marie Dent 301-4081 E-mail: Dent_mm@mercer.edu

DESCRIPTION:

This elective focuses on the integration of Community Medicine and Clinical Medicine in a private practice, rural/underserved health care setting. Possible settings include both primary care specialties and medical sub-specialties. The student will participate fully with the preceptor in a wide variety of practice responsibilities in the office and/or community related settings. The elective must be taken in increments of two-consecutive weeks.

OBJECTIVES:

- To gain an understanding of the practice of medicine in a variety of settings.
- To prepare a written report (5-6 pages) that would review the primary, secondary, and tertiary preventive measures observed in the practice.
- To discuss with the preceptor the medical, social and ethical issues involved in the selected specialty

EVALUATION:

Satisfactory completion of the written report and a satisfactory evaluation by the community-based preceptor will be required. The preceptor's evaluation of the student will include knowledge, skill, and professionalism.

MIGRANT HEALTH CARE

CMP.M02

DURATION:	2 – 4 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE:	Completion of Year Two Community Medicine Requirement
FACULTY:	Dr. Marie Dent
REPORT:	MUSM, Macon, Georgia and Migrant Health Clinics
CONTACT:	Dr. Marie Dent, 301-4081 E-mail: Dent_mm@mercer.edu

DESCRIPTION:

This course will provide an introduction to clinical problems in migrant health care settings in Georgia. The student will observe and participate with physicians and midlevel providers in the delivery of health care to migrant populations.

OBJECTIVES:

- To observe and participate in a multi-cultural health care delivery setting
- To observe and participate with physicians providing health care through a multidisciplinary health care team.
- To understand the problems and multiple barriers of providing and delivering effective health care to a migrant worker population
- To learn about the disease and health care problems of an indigent and uninsured population
- To understand the occupational and environmental conditions of the migrant population
- To learn about occupational medicine as it relates to the agriculture industry
- To discuss with the preceptor the rationale of treatment rendered
- To read material relating to migrant, multicultural, and occupational health care and discuss with preceptor
- To prepare a 5-6 page paper on a topic related to migrant health.

EVALUATION:

Satisfactory completion of the written report and a satisfactory evaluation by the community-based preceptor will be required. The preceptor's evaluation of the student will include knowledge, skill, and professionalism.

END-OF-LIFE ISSUES: A COMMUNITY RESPONSIVE APPROACH

CMP.M03

DURATION:	2 – 4 weeks
ENROLLMENT:	Maximum 2 students
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE:	Completion of Year Two Community Medicine requirement
FACULTY:	Cheryl F. Jones, M.D.
REPORT:	Local community-based hospices
CONTACT:	Rene Sanchez, M.D., MPH; 301-5649 E-mail: Sanchez_r@mercer.edu

DESCRIPTION:

This course provides the medical student with an understanding of the bio/psycho/social issues surrounding end-of-life care while preparing them to meet these challenges in a community-responsive manner. The student will explore these issues and dynamics in both an office practice and hospice care settings.

OBJECTIVES:

- Develop knowledge of the skills needed by a physician to provide continuity of patient care when it changes from curative to palliative.
- Develop an understanding of the various community support services available to the dying and other palliative-care patients and their families.
- Observation and participation with personnel and preceptor in community-based hospice programs
- Become familiar with the end-of-life issues, such as pain management, patient/caregiver(s) anxiety, patient/caregiver(s) awareness of condition, stages of grieving and implications for medical practice, advanced directives, organ donation, and aid in dying
- Become familiar with financial aspects of end-of-life care, issues of cost of therapy vs. palliative care should be addressed
- Prepare a written report on two families identifying how hospice care functioned to serve the needs of the patients and caregivers

EVALUATION:

Satisfactory completion of the written report and a satisfactory evaluation by the community-based preceptor will be required. The preceptor's evaluation of the student will include knowledge, skill, and professionalism.

MANAGED CARE

CMP.04

DURATION:	2 - 4 weeks
ENROLLMENT:	Maximum 4 students
VISITING STUDENTS:	No
PCR MAJORITY:	No

PREREQUISITE:	Completion of Third Year Clerkships
FACULTY:	Dr. Marie Dent, and Dr. John Boltri
REPORT:	MUSM, Macon, Georgia and a managed care organization (MCO)
CONTACT:	Dr. Marie Dent 301-4081

DESCRIPTION:

The purpose of this elective is to familiarize the medical student with the basic concepts and tools required for practice in a managed care environment and to understand how managed care influences the practice of medicine.

OBJECTIVES:

- To understand the trends in health care and how these changes impact financing and health care reform at the local, state, and national levels
- To understand the evolution of managed care and how the degrees of penetration will affect the practice of medicine, particularly within the managed care environment
- To demonstrate an understanding of the principles of population-based medicine and their effect on medical practice within the managed care environment and the viability of specific managed care contracts
- To demonstrate an understanding of the role of community assessment, health promotion and prevention in a managed care environment
- To understand how different managed care plans evaluate physicians
- To understand the principles of total quality management and continuous quality improvement in the managed care environment
- To understand the principles of evidence-based medicine and their influence on the practice of medicine, particularly within a managed care environment

EVALUATION:

Depending upon the length of the rotation and the projects negotiated between the student and the responsible faculty member, the evaluation will include an oral presentation on a managed care topic, short written reports on projects chosen, and discussion with faculty members regarding progress achieving objectives. Satisfactory completion of the oral presentation and written report and a satisfactory evaluation by the preceptor will be required. The preceptor's evaluation of the student will include knowledge, skill, and professionalism.

BIOSTATISTICS IN CLINICAL MEDICINE

CMP.M05

DURATION:	2 weeks
ENROLLMENT:	Maximum 5 students
VISITING STUDENTS:	No
PCR MAJORITY:	No

PREREQUISITE:	Previous statistics course
FACULTY:	Dr. Fan Chen
REPORT:	MUSM, Macon, Georgia
CONTACT:	Dr. M. Marie Dent, 301-4081 E-mail: dent_mm@mercer.edu

DESCRIPTION:

This course will provide an overview of basic descriptive statistics and how they are applied and used in the medical literature. The student will learn how to sample, describe, test hypothesis, analyze, and present data obtained from the medical records in a health care center practice. Simple inferential statistics such as t-test, z-test, chi-square, and f-tests will be discussed in the context of the medical literature.

OBJECTIVES:

- To evaluate the statistical applications used in the medical literature
- To learn how to sample medical records from patient files
- To understand the basic statistical meaning used in clinical medicine
- To be knowledgeable of the major issues in Biostatistics, which can result in error and inappropriate conclusions
- Submit a biostatistical appraisal of a published article pertaining to the appropriateness of the research results.
- Set up a sample design and select an appropriate sample from the medical records in a clinic.

EVALUATION:

Satisfactory completion of the written requirements and a satisfactory evaluation by the faculty will be required. The faculty's evaluation of the student will include knowledge, skill, and professionalism.

FUNDAMENTALS OF EPIDEMIOLOGY

CMP.06

DURATION:	2 weeks
ENROLLMENT:	Maximum 5 students
VISITING STUDENTS:	No
PCR MAJORITY:	No

PREREQUISITE:	Completion of Year Two Community Medicine Requirement
FACULTY:	Selected faculty from Community Medicine and the community
REPORT:	MUSM, Macon, Georgia
CONTACT:	Dr. M. Marie Dent, 301-4081 E-mail: dent_mm@mercer.edu

DESCRIPTION:

Basic descriptive epidemiology concepts of person, place, and time will be explored in the classroom and at a local department of health. * Concepts related to study design (case control, follow-up, cross-sectional, and clinical trial) and evaluation of screening tests will be studied. Emphasis will be on how family practice physicians can use epidemiological methods in their everyday practice.

* The student will be assigned to a local public health department to do a descriptive epidemiological study project on a specific local health program.

OBJECTIVES:

- To select a disease for study and understand the descriptive epidemiology of that disease in a local area (i.e. person, place, and time)
- To understand the basic study designs used in clinical experiments
- To evaluate the medical literature
- To utilize basic epidemiological skills in a family practice setting
- Prepare a brief written or oral report on the experience in the local health department

EVALUATION:

Satisfactory completion of the oral or written report and a satisfactory evaluation by the faculty and community-based preceptor will be required. The evaluation of the student will include knowledge, skill, and professionalism.

INTRODUCTION TO PUBLIC HEALTH

CMP.M07

DURATION:	2 weeks
ENROLLMENT:	Maximum 2 students
VISITING STUDENTS:	No
PCR MAJORITY:	No

PREREQUISITE:	Completion of Year Two Community Medicine Requirement
FACULTY:	State of Georgia, District Health Officers
REPORT:	District Health Offices Limited availability, check schedule with program coordinator
CONTACT:	Dr. Marie Dent 301-4081 E-mail: Dent_mm@mercer.edu

DESCRIPTION:

The student will be assigned to a health district of the Georgia Department of Human Resources, Division of Public Health, to work with the staff including the District Medical Officer. Opportunities to explore and understand the administration, delivery, and functions of local health programs will be provided. Examples of such programs include Maternal High Risk Program; WIC (Women, Infants and Children); Women's Health Program; Stroke, Hypertension, and Heart Attack Program; and Diabetes Control Program. The student will come face-to-face with the problems and solutions of the delivery of public health programs in Georgia.

OBJECTIVES:

- To understand the basic principles of public health
- To aid in the screening and evaluation of patients in the health department
- To understand a practice setting from the health officer's (administration) point of view
- To experience the delivery and function of many of the health programs in local health departments
- Prepare an oral report relating to the various experiences that occurred in the practice setting.

EVALUATION:

Satisfactory completion of the oral report and a satisfactory evaluation by the community-based preceptor will be required. The preceptor's evaluation of the student will include knowledge, skill, and professionalism.

**INTERNATIONAL HEALTH
CMP.M08 CROSS LISTED WITH
FAM.M12**

DURATION: 1 – 4 weeks
ENROLLMENT: Maximum 3 students per campus, 6 students total
VISITING STUDENTS: No
PCR MAJORITY: Yes

PREREQUISITE: Prior approval by one of the course faculty is required. Contact with faculty should normally be made by at least three months prior to the beginning of the rotation.

FACULTY: Dr. William Bina (Community Medicine), Dr. Robert B. Hash (International Programs), Dr. J. Paul Seale (Family Medicine)

REPORT: Japan, Venezuela, and Korea, other sites may be added

CONTACT: Dr. Robert B. Hash (Japan; Korea), 478-301-5425; J. Paul Seale, M.D. (Venezuela), 478-633-5550;
Dr. William F. Bina, 478-301-2804

DESCRIPTION:

The purpose of this elective is to provide exposure to general health care practices and issues in a foreign country. Experiences include activities involved in patient care under supervision at ambulatory care clinics, hospitals, and public health programs depending on student interests.

OBJECTIVES:

- To observe and experience the general health system of a foreign institution and to describe similarities and differences with the U.S. system
- To promote mutual understanding and respect
- To enhance medical skills, to appreciate an inside view of their culture, and to describe how cultural differences impact health care.

EVALUATION:

An evaluation on each student will be performed at the end of the experience. This will be based on how well he/she met the above objectives. A report describing the experiences will be required and is due one week after the visit.

RESEARCH IN POPULATION HEALTH

CMP.M10

DURATION:	4 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	No
PCR Majority:	No

PREREQUISITE: **Successful completion of Year Two Community Medicine Requirements**

FACULTY: Selected Faculty in Community Medicine

CONTACT: Dr. M. Marie Dent, 301-4081
E-mail: dent_mm@mercer.edu

DESCRIPTION:

This elective enables the student to work closely with a faculty preceptor to investigate an issue related to population health. Activities will be directed towards publishing a paper or making a significant presentation. The exact content will be negotiated and is dependent upon the needs and abilities of the student.

OBJECTIVES:

- To provide the student with experience in developing and investigating an appropriate research question in population health
- To develop skills in designing a research protocol, conducting research, analyzing data, and preparing manuscripts for publication or presentation
- To enhance the student's ability to critically review current medical literature
- Prepare a first draft of an article intended for publication or presentation.

EVALUATION:

Student will meet periodically with faculty preceptor to review learning issues, assess progress of the research, and make future plans regarding the research. Final evaluation will be based on the satisfactory completion of the first draft of an article intended for publication or presentation. Student's knowledge, skill, and professionalism will also be evaluated.

DEPARTMENT OF FAMILY MEDICINE

**MEDICAL CENTER OF CENTRAL GEORGIA
777 HEMLOCK STREET
MACON, GEORGIA 31208
478-784-3589**

**MEMORIAL HEALTH UNIVERSITY
MEDICAL CENTER
P.O. BOX 23089
SAVANNAH, GEORGIA 31403
912-350-8830**

Course Number	Course Name
FAM.M01 - Macon FAM.S01 - Savannah FAM.L01 - Albany FAM.C01 - Columbus FAM.A01 - Atlanta FAM.R01 – Rome	Senior Family Medicine Sub-Internship
FAM.L02	Rural Family Medicine in Southwest Albany, Georgia
FAM.M05	Geriatrics
FAM.M06	Geriatrics Research
FAM.M07	Practice Management
FAM.L08	Primary Care Sports Medicine
FAM.R11	Family Medicine in the Underdeveloped World / Rome
FAM.M12	International Health
FAM.M13	Family Medicine in the Underdeveloped World / Macon
FAM.M14 FAM.S14	Integrated Readings in Clinical Medicine
FAM.M15	Women’s Health
FAM.M17	Palliative Care
FAM.M18	Long Term Care
FAM.M19	Service Learning in a Volunteer Clinic

SENIOR FAMILY MEDICINE CLERKSHIP

FAM.M01, FAM.S01, FAM.L01, FAM.C01, FAM.A01, FAM.R01

DURATION: 4 weeks

VISITING STUDENTS: Yes

PCR MAJORITY: Yes

PREREQUISITE:	Successful completion of third year clerkship
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FAM.M01: Macon	John Boltri, M.D. and Hugh McLaurin, M.D., M.B.A. at the Family Health Center, 3780 Eisenhower Parkway, Macon, Georgia. Contact – Family Health Center at 633-5550 Enrollment: will accept 2 students with permission from preceptor. <u>Written approval from preceptor must be obtained at least 4 weeks in advance of rotation. Schedule course through Macon, Medical Student Coordinator.</u>
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FAM.S01: Savannah	Kennedy Okere, M.D., ; Shaun Franklin, M.D.; Minkailu Sesay, M.D. and staff physicians. For information call Kennedy Okere, M.D. at 912-350-8838.Enrollment: 1 student. Schedule Course through Savannah, Medical Education Coordinator, Debbie Brickner at 912-350-8076.
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FAM.L01: Albany	Claude Gauthier, M.D., FAAP and Nicholas I. Kilmer, M.D. and other faculty at the Southwest Georgia Family Medicine Residency Program in Albany, GA. Contact – Susan Workman at 229-312-8878. Enrollment: 1 student. Schedule Course through Macon, Medical Student Coordinator.
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FAM.C01: Columbus	Janine Burgher-Jones, M.D., Director, Undergraduate Training, Associate Director, Family Practice Residency Program, Columbus Regional Medical Center, Columbus, Georgia. Contact – Elizabeth Coty-Green at 706-571-1402. Enrollment: 1 student. Schedule Course through Macon, Medical Student Coordinator.
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FAM.A01: Morrow (Atlanta)	Lorne Campbell, M.D. or Sharon Rabinovitz, M.D. and Family Medicine faculty at the Atlanta Medical Center, Morrow, Georgia. Contact Jackie Reed at 770-968-6392. Enrollment: 1 student. Schedule Course through Macon, Medical Student Coordinator.
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FAM.R01: Rome	LeBron McBride, Ph.D., MPH, and other faculty at the Family Medicine Residency Program at Floyd Medical Center, Rome, Georgia. Contact Dr. McBride 706-509-3343. Enrollment: 1 student. Schedule Course through the Macon, Medical Student Coordinator.
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SENIOR FAMILY MEDICINE SUB-INTERNSHIP

FAM.M01 (Macon), FAM.S01 (Savannah), FAM.L01 (Albany), FAM.C01 (Columbus), FAM.A01 (Atlanta (Morrow)), FAM.R01 (Rome)

DURATION: 4 weeks

VISITING STUDENTS: Yes

PCR MAJORITY: Yes

GENERAL DESCRIPTION FOR ALL SITES

This rotation is structured as a sub-internship with the Department of Family Medicine to expose students to the full-breadth of Family Medicine. Activities include intensive hands-on direct responsibility for the continuing and comprehensive care of patients in both ambulatory and in-hospital settings, under close supervision of faculty and advanced residents. Also, included are clinical conferences and brief exposures to rural family Medicine and care of the older adult patient. Ambulatory clinic experiences in other specialty and/or subspecialty areas of particular interest to the student can be individually arranged.

OBJECTIVES:

- To assume responsibility and initiative in care for patients (under faculty supervision)
- To enhance perception of and attitudes toward the role of a physician and Family Medicine
- To become reacquainted with the many facets of the family physician and of Family Medicine
- To enhance the ability to establish effective physician-patient relationships
- To improve skills in gathering and recording appropriate patient information
- To improve skills in making appropriate clinical judgments
- To improve skills in planning, implementing, and evaluating therapy
- To improve skills in planning, implementing and evaluating Health Maintenance Disease Prevention and Continuous Health Care

EVALUATION:

Student evaluations are based on clinical performance during the four-week rotation. The faculty member who has had the most contact with the student and observed his/her clinical performance performs evaluations.

RURAL FAMILY MEDICINE IN SOUTHWEST GEORGIA, ALBANY

FAM.L02

DURATION:	2 - 4 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkship

FAM.L02: Claude Gauthier, M.D., FAAP, Nicholas I. Kilmer, M.D., and associated preceptors Southwest Georgia Family Medicine Residency Program, 2336 Dawson Road, Albany, Georgia

CONTACT: Susan Workman: 229-312-8878

DESCRIPTION:

This rotation is intended to be a sub-internship with an emphasis on practice in rural and small community settings. Activities will include responsibility for the continuing and comprehensive care of the preceptor's patients in ambulatory and hospital settings, including the home and nursing home. There will be close supervision by the preceptor and didactic instruction on the clinical/social problems unique to rural settings. Students will have the opportunity to become involved in the rural community and to explore the family physician's role as a community leader and educator. Driving up to 30 miles each way to clinic daily may be involved.

OBJECTIVES:

- To help the student understand the nature of family medicine care
- To provide the student with an appreciation of the problems commonly managed by the family physician—with an emphasis on the special nature of problems encountered in rural settings—and the clinical skills involved
- To become familiar with the utilization of consultants, other health disciplines, and community resources in rural family medicine settings
- To develop practice management techniques in rural family medicine
- To become familiar with the role of the family physician in rural communities, in other than health-related matters
- To provide an opportunity for the student to explore his/her own interest in family practice, through direct observation and participation in rural family practice

EVALUATION:

The student will be evaluated on his/her clinical performance during the rotation as observed by the primary care physicians.

GERIATRICS

FAM.M05

DURATION:	4 weeks
ENROLLMENT:	Maximum 2 students
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkship

FAM.M05: Richard J. Ackermann, M.D. and Kathy A. Kemle, PA-C at the Family Health Center, Macon, Georgia. Contact Dr. Ackermann at least 4 weeks prior to the first day of the rotation to arrange course times: (478)633-5550

Not available on the Savannah Campus

DESCRIPTION:

This rotation is structured to expose the student to older adult patients in a variety of settings, including patients' home personal care homes and nursing homes, retirement communities, private physician office practices, and the Palliative Care Service at the Medical Center of Central Georgia.

Additionally, the student will be exposed to ancillary services available to older adults, such as home health agencies, hospice, and various state and local government initiatives to aid elders. There will be assigned reading and writing. The student will participate in the process of comprehensive geriatric assessment and will be exposed to the multi-disciplinary team concept in geriatrics by interaction with physician assistants, nurses, and other health professionals. Ethical and economic issues relative to health care of the elderly will be explored. Clinical care of elderly patients will be integrated throughout the rotation.

OBJECTIVES:

- To develop a cognitive knowledge base relative to geriatrics and gerontology
- To expose the student to the range of health-related and social services available to older adults
- To expose the student to importance of optimizing function in older adults
- To expose the student to principles of comprehensive geriatric assessment
- To expose the student to the multi-disciplinary team approach to management of older adults' health care needs

EVALUATION:

Ongoing performance assessments will take place during weekly formative evaluation conferences. A final written evaluation will concentrate on knowledge and skills gained during the rotation.

GERIATRICS RESEARCH

FAM.M06

DURATION:	2 - 4 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	Yes
PCR MAJORITY:	No

PREREQUISITE: Successful completion of third year clerkship

FAM.M06: Richard J. Ackermann, M.D. at the Family Health Center, Macon Georgia. Contact Dr. Ackermann at least four weeks prior to the first day of rotation to arrange course times: (478) 633-5550.

Not available on the Savannah Campus

DESCRIPTION:

This elective allows the student to work closely with a faculty preceptor to investigate in-depth an issue or set of issues relating to geriatrics. Activities will be directed towards publishing a paper or making a significant presentation. The exact content is negotiable and dependent on the needs and abilities of the student.

OBJECTIVES:

- To expose the student to the process of developing an appropriate research question
- To facilitate development of skills in designing a research protocol
- To facilitate development of investigational skills
- To facilitate development of medical writing skills
- To expose the student to the general requirements for submission of papers for presentation/publication
- To enhance the student's ability to critically review current medical literature

EVALUATION:

Regularly scheduled meetings to review learning issues, assess progress on project, and make future plans/modify goals.

A summary conference will be held to review progress during the course of the elective. A written evaluation co-authored by the student and preceptors will be reviewed. The evaluation will highlight the specific skills learned during the elective and delineate areas of need for future development.

PRACTICE MANAGEMENT**FAM.M07**

DURATION:	4 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	Yes
PCR MAJORITY:	No

PREREQUISITE: Successful completion of third year clerkship

FAM.M07: Hugh McLaurin, M.D., M.B.A. and John Boltri, M.D. at the Family Health Center, Macon, Georgia.
Contact Drs. McLaurin and John Boltri at least four weeks prior to the start of the rotation to arrange course times.(478) 633-5550.

Not available on the Savannah Campus

DESCRIPTION:

The Practice Management elective is designed to give the fourth year medical student an overview of the business side of office practice. The student will gain exposure to billing, coding, scheduling, medical records, personnel issues, and the running of an office laboratory. For students who want exposure to the office practice of a certain specialty, efforts will be made to team up with a local physician's office in that specialty. Students with a particular interest in a certain subject matter may choose to do a project involving that subject.

OBJECTIVES:

- Develop a basic understanding of the business aspects of running a physician's office
- Develop a vocabulary of business terms and an understanding of basic business concepts
- Understand the importance of quality in health care from a management perspective
- Learn the rules (CLIA) that apply to physicians who wish to maintain an office lab

EVALUATION:

The evaluation will be based on the student's performance over the rotation.

PRIMARY CARE SPORTS MEDICINE - ALBANY

FAM.L08

DURATION:	4 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE: Must be a fourth year student with successful completion of third year clerkship

FAM.L08: Sean T. Bryan, M.D. and Nicolas I. Kilmer, M.D. and Jon E. Woo, M.D. at the Southwest Georgia Family Medicine Residency Program in Albany, GA. Contact – Susan Workman at 229-312-8878

DESCRIPTION:

This rotation is designed to provide the student with an introduction to the field of primary care sports medicine. Activities will include hands on evaluation and continuing care of patients with sports medicine related injuries and conditions in a sports medicine clinic and training room setting. Drs. Bryan, Kilmer, and Woo, all of whom are fellowship trained and hold a CAQ in sports medicine, will closely supervise students. Throughout the school year, there will be opportunities for the student to participate in local high school and college game and event coverage. The student will also participate in weekly sports medicine journal club meetings and have an opportunity to interact with orthopedic surgeons, physical therapists, and athletic trainers with sports medicine expertise.

OBJECTIVES:

- To introduce the student to the field of primary care sports medicine
- To provide the student with an appreciation of the broad scope of problems commonly managed by primary care sports medicine physicians and the clinical and procedural skills involved
- To become familiar with the utilization of consultants in the management of certain sports medicine related injuries and conditions
- To gain a better understanding of the role of the primary care sports medicine physician as part of the multidisciplinary team that provides care to athletes
- To provide an opportunity for the student to explore his/her own interest in primary care sports medicine through direct observation and participation during the rotation
- Additional objectives may be added depending on the particular needs and desires of the student

EVALUATION:

The student will be evaluated on his/her clinical performance during the rotation as observed by the primary care sports medicine faculty members.

FAMILY MEDICINE IN THE UNDERDEVELOPED WORLD/ROME

FAM.R11

DURATION:	4 weeks
ENROLLMENT:	Maximum 2 students
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkship

FAM.R11: Melvin Thomas, M.D. and faculty/residents of the Rome Family Practice Residency, Floyd Medical Center, Rome Georgia
Contact Dr. Thomas at the time of enrollment for information:(706)509-3300.

DESCRIPTION:

Since the rotation is conducted in a third-world country there must be advanced planning and contact with Dr. Thomas prior to acceptance for it. This rotation is structured to be an introduction into how medical care is delivered in third-world countries. Experiences include treating persons with tropical diseases and discussing their management as well as setting up a small walk-in day clinic to dispense health maintenance care and doing acute medical care in rural villages. This rotation is intended to be an eye opening experience in how to be flexible in the delivery of health care. The medical student will always be under the supervision of a board-certified family physician.

OBJECTIVES:

- To provide an opportunity to assume responsibility and make initial assessments of outpatient health needs, under direct faculty supervision
- To see how a family physician can function in the role of team coordinator in a rural third-world setting
- To enhance physical diagnostic skills in the absence of laboratory back-up
- To improve skills in planning, implementing, and evaluating health maintenance in an under-privileged setting
- To learn how to work as a team in concert with nurses, dentists, surgical sub-specialists and patient education counselors

EVALUATION:

Evaluation on each student will be performed at the end of the two-week experience. This will be based on how well he/she met the above criteria.

FAMILY MEDICINE IN THE UNDERDEVELOPED WORLD/MACON

FAM.M13

DURATION:	2 weeks
ENROLLMENT:	Maximum 2 students
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkship

FAM.M13: W. Patrick Roche, M.D. and selected faculty of the Macon Family Practice Residency, Medical Center of Central Georgia. Contact Dr. Roche at the time of enrollment for information:(478)301-2879. Contact should normally be made by at least three months prior to the beginning of the rotation.

DESCRIPTION:

This rotation is structured to be an introduction into how medical care is delivered in less-developed countries. Experiences include setting up a small walk-in day clinic to dispense health maintenance care as well as some acute medical care in rural villages. Some in-hospital surgical experiences will also be available for the interested student. This rotation is intended to be an eye opening experience in how to be flexible in the delivery of health care. The medical student will always be under the supervision of a board-certified family physician. This elective is in full compliance with the primary care mission of MUSM.

OBJECTIVES:

- To provide an opportunity to assume responsibility and make initial assessments of outpatient health needs
- To see how a family physician can function in the role of team coordinator in a rural third-world setting
- To enhance physical diagnostic skills in the absence of laboratory back-up
- To improve skills in planning, implementing, and evaluating health maintenance in an under-privileged setting
- To learn how to work as a team in concert with nurses, dentists, surgical sub-specialists and patient education counselors

EVALUATION:

Evaluation on each student will be performed at the end of the two-week experience. This will be based on how well he/she met the above criteria.

**INTERNATIONAL HEALTH
CROSS LISTED WITH CMP.M08**

FAM.M12

DURATION: 1 – 4 weeks
ENROLLMENT: Maximum 3 students per campus, 6 students total
VISITING STUDENTS: No
PCR MAJORITY: Yes

PREREQUISITE: Prior approval by one of the course faculty is required. Contact with faculty should normally be made by at least three months prior to the beginning of the rotation.

FACULTY: Dr. William Bina (Community Medicine), Dr. Robert B. Hash (International Programs), Dr. J. Paul Seale (Family Medicine)

REPORT: Japan, Venezuela, and Korea, other sites may be added

CONTACT: Dr. Robert B. Hash (Japan; Korea):(478) 301-5425; J. Paul Seale, M.D. (Venezuela), (478) 633-5550;
Dr. William F. Bina: (478) 301-2804.

DESCRIPTION:

The purpose of this elective is to provide exposure to general health care practices and issues in a foreign country. Experiences include activities involved in patient care under supervision at ambulatory care clinics, hospitals, and public health programs depending on student interests.

OBJECTIVES:

- To observe and experience the general health system of a foreign institution and to describe similarities and differences with the U.S. system
- To promote mutual understanding and respect
- To enhance medical skills, to appreciate an inside view of their culture, and to describe how cultural differences impact health care.

EVALUATION:

An evaluation on each student will be performed at the end of the experience. This will be based on how well he/she met the above objectives. A report describing the experiences will be required and is due one week after the visit.

INTEGRATED READINGS IN CLINICAL MEDICINE

FAM.M14, FAM.S14

DURATION: 2 weeks
ENROLLMENT: No Limit
VISITING STUDENTS: No
PCR MAJORITY: No

PREREQUISITE: Completion of Third Year Clerkships, may **NOT** be taken after the scheduled STEP II exam date.

FAM.M14: Robert Hash, M.D.

FAM.S14:

CONTACT: Robert Hash, M.D.: (478) 301-2512.

DESCRIPTION:

This elective is intended to provide you with the opportunity to identify areas of clinical subject content where you feel you may need enhanced learning. In this process, it is important for you to identify your particular areas of weakness and the objectives you hope to achieve in the course of your self-directed study. The student will complete selected readings from a menu of the clinical subjects: Infectious disease, neoplasms, immunologic disorders, diseases of the nervous system and special senses, Cardiovascular disorders, respiratory system disease, nutritional and digestive disorders, gynecologic disorders, renal, urinary, and male reproductive disorders, disorders of pregnancy, childbirth and the puerperium, skin and subcutaneous tissue disorders, musculoskeletal system and connective tissue disorders, endocrine and metabolic disorders, congenital anomalies, perinatal disorders, injury and poisoning, III defined conditions, signs and symptoms. The readings will be undertaken from the perspective of general principles (including prevention, growth and development, epidemiology), mechanisms of disease, establishing a diagnosis, and applying principles of management.

OBJECTIVES:

- The student will identify critical knowledge gaps in the clinical disciplines noted above.
- The student will create a self-directed learning prescription, including a proposed reading list, which is tailored to address those deficits.
- The student will identify and utilize a self-evaluation program to assist with self-evaluation of knowledge deficit areas
- The student will complete the submitted and approved reading list.

EVALUATION:

- **Submission of written self-evaluation of clinical knowledge deficits**
- **Submission and approval of reading list to address specific deficits**
- **Verbal progress report at end of week 1** (Friday of week one or Monday of week two). This may be accomplished by direct contact or by telephone.
- **Written progress report due within 7 days of rotation completion.** This should be a brief (no more than 1 page) summary of your progress in addressing the learning objectives you identified in step 1. Comments regarding the usefulness of the resources you utilized would be appreciated.

ELECTIVE IN WOMEN'S HEALTH

FAM.M15

DURATION:	2 - 4 Weeks
ENROLLMENT:	2 students Macon
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of Family Medicine and Ob/Gyn third year clerkships.

FAM.M15: Contact Dr. Robeta Weintraut and Dr. Monique Davis-Smith at least 4 weeks prior to the first day of the rotation to arrange course times(478) 633-5550.

FAM.S15 **Contact Debbie Brickner 912-350-8302**

DESCRIPTION:

This elective is designed to enhance the student's ability to evaluate and treat health issues unique to women across the lifespan. A basic knowledge of menarchal, peri and postmenopausal, as well as reproductive issues is assumed. This course will focus on wellness, evaluation, contraception, breastfeeding, osteoporosis identification and therapy, nutritional assessment and therapy, and holistic therapy for menopause. There will be required lecture sessions supplemented by audiovisual/computer-based modules, and individual patient assessments at the Family Health Center as well as at Hartley Bridge Family Medicine. "Field Activities" will include assignments evaluating mammography and bone density scan facilities, supermarket and health food store nutritional offerings, and rounds with the Lactation Nurse and geriatric faculty at MCCG.

OBJECTIVES:

The student will develop skills in :

- Women's health assessment, including nutritional and preventative medicine recommendations
- Contraceptive modalities, hormonal and non-hormonal, including emergency contraception
- Breastfeeding basics including prevention, assessment and treatment of common problems
- Osteoporosis prevention, identification and treatment
- Peri-and postmenopausal evaluation and management, including use of evidence-based alternative modalities

EVALUATION:

The student will complete a pre-and post-test regarding specific issues to be covered in the course. In addition, the student will complete worksheets documenting all field-work, and women's wellness worksheets for patient encounters. The quality of the documentation and development of skill in selecting appropriate recommendations will be assessed.

The student will pick a topic to present to the Family Medicine Morning Report. Attendance at assigned activities, punctuality, and general professionalism will be requirements for successful completion of this rotation.

PALLIATIVE MEDICINE

FAM.17

DURATION:	2 – 4 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE:	Successful completion of third year clerkship
FAM.M17	Steven A. House, M.D., Richard J. Ackermann, M.D., and Kathy Kemle, PA-C, Laura Mullis, NP, and Amanda Hudson, CNS at the Family Health Center, Macon, GA, and at MCCG in Macon. Contact: Dr. Steven House at least four weeks prior to the start of the rotation to arrange course times: (478) 633-5550.

Not available on the Savannah Campus

DESCRIPTION:

The rotation is structured to expose the student to aspects of palliative medicine in patients continuing with curative care as well as those who have reached the terminal stages of disease. The student will learn methods and modalities of symptom management in patients with a variety of illnesses including malignancies, cardiac and respiratory disease, end-stage renal disease, dementia, and infectious disease (HIV/ AIDS). Legal and ethical aspects of providing such care will be discussed, especially as they relate to termination of potentially life-sustaining therapies. There will be discussion of the economic benefits of quality end-of-life care with special emphasis upon the Medicare Hospice Benefit. The core content will be provided through required reading, didactic sessions, and direct patient care. Clinical experiences will be predominantly through palliative care consultations and the inpatient Palliative Care Unit at the Medical Center of Central Georgia, but students will also get exposure to Hospice care in patient homes. The interdisciplinary approach to quality palliative care will be explored with exposure to physicians, physician assistants, nurse practitioners, clinical nurse specialists, clinical social workers, marriage and family therapists, and chaplains in clinical situations as well as in the weekly interdisciplinary team meetings.

OBJECTIVES:

- To expose the student to the field of palliative medicine and its applications in all aspects of patient care.
- To expose the student to a broad range of modalities in pain and symptom management.
- To expose the student to ethical, legal, cultural, and economic issues in end-of-life care.
- To expose the student to the delivery of palliative care in various healthcare settings: hospital, home, and inpatient hospice.

EVALUATION:

The student will be evaluated on the basis of patient management skills and overall grasp of basic palliative medicine concepts. The student will complete a new palliative care consultation each week of the rotation and submit the documentation for evaluation and feedback.

LONG TERM CARE**FAM.M18**

DURATION:	4 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE:	Successful completion of third year clerkship
FAM.M18	Richard J. Ackermann, M.D., Dipesh Patel, M.D., Steven House, M.D. and Kathy Kemle, M.S., P.A.-C. at the Family Health Center in Macon. Contact Dr. Patel at Mercer (478) 301-4098 or Dr. Ackermann at (478) 633-5550 at least 4 weeks prior to the first day of the rotation to arrange course times.

Not available on the Savannah Campus

DESCRIPTION:

This rotation is designed to expose the student to older patients residing in long term care communities. These include nursing homes, assisted living facilities, and continuing care communities. The student will prepare and present an in-service topic for the staff of one of the facilities, with the guidance and approval of one of the preceptors. Students will be exposed to the common geriatric syndromes, with assigned topics for reading. Completion of at least one geriatric assessment will be expected during the rotation. Economic, regulatory, and ethical issues relevant to long term care patients will be explored. A recognition of the contributions of many members of the health care team, such as physical and occupational therapists, speech pathologists, nurses, physician assistants, nurse practitioners, and nursing assistants will be developed through exposure to the team approach to geriatric care. The complexities of end of life care and symptom management in the long term care population will be addressed.

OBJECTIVES:

- To develop a knowledge base in geriatrics and gerontology.
- To expose the student to the range of long term care options for seniors.
- To develop an understanding of the psychosocial aspects of care giving and long term care placement.
- To expose the student to geriatric assessment.
- To expose the student to the multi-disciplinary team approach to the care of frail elders.
- To expose the student to geriatric rehabilitation in the long term care setting.
- To expose the student to end of life care in various long term care institutions.

EVALUATION:

Ongoing assessment of the student's progress in the objectives of the rotation will be completed through weekly meetings with preceptors. An assessment of the student's presentation will be included in the evaluation with suggestions for improvement.

SERVICE LEARNING IN A VOLUNTEER CLINIC

FAM.M19

DURATION:	2 weeks
ENROLLMENT:	1 student per 2-week block
VISITING STUDENTS:	No
PCR:	No

Completion of 3rd Year at MUSM

PREREQUISITE

FAM.M19 Lynn Denny, M.D., Medical Director of Macon Volunteer Clinic (478) 755-1110. or W. Patrick Roche, M.D., Medical Volunteer (478) 301-2879.

Not available on the Savannah Campus

DESCRIPTION:

The Macon Volunteer Clinic serves the working uninsured in Macon and Bibb County. This elective allows students to work in the clinic under the supervision of its medical director—diagnosing, treating and educating the clientele served there.

OBJECTIVES:

- Remind/educate the student to the ever-expanding group of the working uninsured, and where they currently receive care.
- Respond to the needs by routinely working in the MVC as upper level student (Minimum of 10 clinics or patient educational sessions)
- Gather “best practices” at other clinics by visiting them (on site or virtually) and interviewing personnel at three different clinics, then reporting findings back to the medical director in the form of a written paper, detailing how the new ideas would help to meet the local needs uncovered in #1 above.
- Discuss with Executive Director and Development Director of MVC (1 hour meeting) how expenses are met through funding efforts
- Assist the medical director in ensuring quality care is delivered at the MVC

EVALUATION:

Student will submit a 3-5 page (750 words minimum) paper detailing the visits to other clinics and offering practical guidance to the leadership of the MVC. Each student will also be responsible for working in 10 three-hour clinics (seeing patients or chaperoning less experienced students) or spending an equivalent amount of time in direct patient care while performing patient education.

DEPARTMENT OF EMERGENCY MEDICINE

MEDICAL CENTER OF CENTRAL GEORGIA
777 HEMLOCK STREET
MACON, GEORGIA 31208
478-633-1628

MEMORIAL HEALTH UNIVERSITY
MEDICAL CENTER
P.O. BOX 23089
SAVANNAH, GEORGIA 31403
912-350-8830

Course Number	Course Name
EME.M01 EME.S01	Emergency Medicine Elective/Core Clerkship
EME.M02	Emergency Medicine Research Elective

EMERGENCY MEDICINE – CLINICAL ELECTIVE/CORE CLERKSHIP

EME.M01, EME.S01

DURATION: 2 – 4 weeks Macon 4 weeks Savannah

ENROLLMENT: Macon: Max 6 students
Savannah: Max: 4 students

VISITING STUDENTS: Yes

PCR MAJORITY: Yes

PREREQUISITE: Successful completion of all third year clerkship

EME.M01: Ralph Griffin, M.D. at the Medical Center of Central Georgia, Macon, Georgia Contact Tommy Pollock at least one week prior to the first day of the clerkship to determine schedule, call Tommy Pollock at 633-1628 or 633-2761. All students must report on the Monday of the first day of rotation for orientation at 10:00 A.M.

EME.S01: Emergency Department, MHUMC, Savannah Georgia, Contact – Jason Stillwagon, M.D., and Holli Morgan 912-350-3849. Schedule will be distributed in advance. Course will not be offered in December.

DESCRIPTION:

This rotation is an opportunity to get “hands-on” experience with clinical emergency medicine, emergency medical system, critical care, and procedural skills in the Emergency Department. The student has access to multiple attending physicians for educational and clinical supervision at all times in the Emergency Department. There is a new Pediatric Emergency Center Section at both MHUMC and MCCG. Students rotating in the emergency centers will have the option to distribute some of his/her time selectively in the pediatric areas of the Emergency Departments. The fourth year student will function much like an intern during shifts.

OBJECTIVES:

- To assume responsibility and initiative in caring for patients who present in the emergency room (under faculty supervision)
- To develop an approach to caring for critically ill patients
- To understand the management of the many types of problems presenting to the emergency department
- To gain experience in the procedural skills often required in managing emergency department patients.

EVALUATION:

The clinical director and at least two other emergency department physicians (chosen randomly) evaluate student performance during the rotation. Students will be evaluated on knowledge, skill, performance, attendance, and professionalism/attitude.

EMERGENCY MEDICINE – RESEARCH ELECTIVE

EME.M02

DURATION: 4 weeks – available during March & April
ENROLLMENT: Maximum 1 student
VISITING STUDENTS: No
PCR MAJORITY: No

PREREQUISITE Successful completion of all third year clerkships

EME.M02 Ralph Griffin, M.D. at the Medical Center of Central Georgia, Macon, Georgia Contact Tommy Pollock at least one week prior to the first day of the clerkship to determine schedule
Tommy Pollock 633-1628 or 633-2761

Not available on the Savannah Campus

DESCRIPTION:

This rotation offers the student the opportunity to review the functioning of a large hospital-based E.M.S., Emergency Department Triage and Patient Flow Systems, participation in the maintenance/teaching of the Core Curriculum in Emergency Medicine, potential for participation in Clinical Trials, participation in paramedic, physician extender, medical student, and physician Emergency Medicine Training Programs.

OBJECTIVES:

- To formulate a topic worthy of clinical research in the Emergency Department
- If feasible, in conjunction with the preceptor, this topic will be developed into a proposal for a Clinical Trial or Epidemiologic Survey
- To help initiate and to follow-through on any research project initiated during the elective

EVALUATION:

The clinical director and at least two other emergency department physicians (chosen randomly) evaluate student performance during the rotation.

DEPARTMENT OF INTERNAL MEDICINE

**MEDICAL CENTER OF CENTRAL GEORGIA
777 HEMLOCK STREET
MACON, GEORGIA 31208
478-301-5820**

**MEMORIAL HEALTH UNIVERSITY
MEDICAL CENTER
P.O. BOX 23089
SAVANNAH, GEORGIA 31403
912-350-8372**

Course Number	Course Name
INM.M01 INM.S01	Internal Medicine Sub-Internship
INM.M02	Research with Thesis/Paper Generation
INM.M03 INM.S03	Supplemental Internal Medicine – Readings
INM.M04	Readings in Cardiology
INM.M05 INM.S05	Clinical Cardiology I
INM.M06	Cardiology II – EKG Readings
INM.M08	Pulmonary Medicine
INM.M09 INM.S09	Dermatology
INM.M10 INM.S10	Endocrinology
INM.M11 INM.S11	Gastroenterology
INM.M12 INM.S12	Neurology

DEPARTMENT OF INTERNAL MEDICINE (Cont'd)

INM.M13 INM.S13	Nephrology
INM.M14	Medical Oncology
INM.M15 INM.S15	Infectious Disease
INM.M16 INM.S16	Rheumatology
INM.S17	Geriatric Medicine/Center for Successful Aging
INM.M18	Rehabilitative Medicine
INM.M – Medicine ICU	Critical Care / Intensive Care Unit Experience – Internal Medicine
INM.M - CVICU	Critical Care / Intensive Care Unit Experience Cardiovascular Intensive Care Unit (CVICU)

INTERNAL MEDICINE SUB-INTERNSHIP**INM.M01, INM.S01**

DURATION: 4 Weeks
ENROLLMENT: Maximum 1 Student
VISITING STUDENTS: Yes
PCR MAJORITY: Yes

PREREQUISITE: Successful completion of third year clerkships.

INM.M01: Department of Medicine Attending Physicians, MCCG, Macon, Georgia. To get attending assignment, contact 478-301-5820, Dept. Chair 4 weeks prior to beginning of rotation

INM.S01: Dept. of Medicine Attending Physicians, MHUMC, Sav., GA. Students should report to AM Report at 8:00 a.m. in the Internal Medicine Resident 4th Floor Conference Room main hospital. After AM report, see Sandra Simmons @ The Center for Internal Medicine, 1101 Lexington Ave. Contact number 912-350-8350.

DESCRIPTION:

During this rotation the student acts as an intern admitting patients under the supervision of the staff service attending and the senior resident. The student will be required to formulate a diagnostic and treatment plan and with the senior resident write orders to implement the plan. He will also be required to complete a history and physical exam and write daily progress notes and a discharge summary. Patients will be selected for admission for the student by the supervising resident that will also be responsible for the official history and physical and countersigning all orders before implementation. Call will be taken with the assigned team, which is every fourth day. Full-time faculty and practicing physicians will conduct didactic teaching and rounds.

OBJECTIVES:

- For the student to learn how to function as an intern under a less stressful and more highly supervised environment
- To learn about inpatient care for the adult, non-surgical patient
- To give the student the opportunity to become intimately involved in the decision processes and care of his/her patients.

EVALUATION:

The supervising resident and attending will perform an evaluation based upon the student's clinical performance, attendance, knowledge, skills, and attitude.

RESEARCH WITH THESIS OR PAPER GENERATION

INM.M02

DURATION: 2 – 4 Weeks
ENROLLMENT: Maximum 1 Student
VISITING STUDENTS: No
PCR MAJORITY: No

PREREQUISITE: Successful completion of third year clerkships.

INM.M02: Under the supervision of Chair, Department of Medicine, MCCG, Macon, GA. Contact 478-301-5820. 4 weeks prior to beginning of rotation

Not available on the Savannah Campus

DESCRIPTION:

This is a course in which the student spends almost all of the time in the library or the learning resources center in order to review the literature on some subject, collate new data or organize a new hypothesis regarding some subject in the field of Internal Medicine.

OBJECTIVES:

- To produce a publishable paper in a peer reviewed medical journal.

EVALUATION:

The preceptor will judge the paper, satisfactory or unsatisfactory.

SUPPLEMENTAL INTERNAL MEDICINE – READINGS/RESEARCH INM.M03, INM.S03

DURATION:	2 Weeks
ENROLLMENT:	Maximum 2 Students/Preceptor
VISITING STUDENTS:	No
PCR MAJORITY:	No

PREREQUISITE:	Successful completion of third year clerkships.
INM.S03:	Under the supervision of the Internal Medicine Faculty contact Sandra Simmons (912)350-8350, Location: The Center for Internal Medicine 1101 Lexington Ave. The Savannah campus will accept visiting students for this rotation, however rotation will not be available during Christmas holidays.
INM.M03:	Under the supervision of Chair, Department of Medicine, or other full-time Internal Medicine Faculty, MCCG, Macon, GA. Contact 478-301-5820 2 weeks prior to beginning of rotation

DESCRIPTION:

This course is designed to supplement the Internal Medicine knowledge and experience of the medical student who has completed the Core Internal Medicine Clerkship. *Generally, the student identifies areas needing additional study or experience as noted during the Clerkship period. The elective is also appropriate for the student who simply desires to review a broad range of Internal Medicine topics. It is offered as a reading and discussion course, although patient care experiences may be obtained if desired. *Savannah: The students will gain experience in evidence-based and critical evaluation of specific areas of internal medicine identified by students as well as gaining skill in evaluating medical literatures.

OBJECTIVES:

- To supplement the knowledge of specific Internal Medicine topics.

EVALUATION:

No written examination is given. The evaluation is based upon the judgment of the preceptor, taking into account the objectives set by the student and the preceptor on the first day of the course. The student will be evaluated on performance, knowledge, attendance, and attitude.

READINGS IN CARDIOLOGY

INM.M04

DURATION: 2 Weeks
ENROLLMENT: Maximum 2 Students
VISITING STUDENTS: No
PCR MAJORITY: No

PREREQUISITE: Successful completion of third year clerkships.

INM.M04: John Hudson, M.D., MCCG, Macon, Georgia. Contact Dr. Hudson prior to the start of the rotation to arrange course times and place, 478-301-5850

Not available on the Savannah Campus

DESCRIPTION:

The student will meet daily with the preceptor and discuss selected articles. The student will perform literature searches and choose articles that are of interest and use. The preceptor will also provide relevant articles for discussion.

OBJECTIVES:

To further the student's knowledge of current research, diagnosis, and management of diseases of the cardiovascular system

EVALUATION:

The preceptor upon completion of the rotation will complete standard evaluation of the student based on performance, knowledge, attendance, and attitude.

CARDIOLOGY I
INM.M05, INM.S05

DURATION: 4 Weeks
ENROLLMENT: 1 Student
VISITING STUDENTS: Yes
PCR Majority: Yes

PREREQUISITE *Successful completion of third year clerkships.*
INM.M05: Talley F. Culclasure, M.D., Thomas P. Meyer, M.D., Nasser S. Tehrani, M.D. Contact Prior to first day of the rotation to arrange schedule, 478-745-5476 Carol Bloodworth
INM.S05: Lloyd Goodman, M.D., MHUMC, Savannah, Georgia. Report to Dawn McCall in Adult Cardiology. Contact 912-350-8806

DESCRIPTION:

The student is assigned to the Department of Cardiology under the direction of the chief of that department. The student will work up patients on the Cardiology Service in conjunction with the internal medicine resident on that service. The case will follow patients through invasive and non-invasive evaluation and management of systemic atherosclerotic disease, valvular heart disease, congestive heart failure, and cardiac arrhythmias. Student will attend the weekly cardiology clinic as well as see selected outpatients in the office of Dr. Meyer, Dr. Culclasure, and Dr. Tehrani. An evidence-based approach emphasized with supplementary readings assigned in addition to prepared didactic presentations and ECG reading sessions.

OBJECTIVES:

- To improve skills in gathering a cardiovascular history
- To improve physical examinations skills of the cardiovascular system
- To improve skills in appropriate screening for cardiovascular disease and strategies for primary prevention of systemic atherosclerotic disease
- To gain an understanding of the proper follow-up of patients with established cardiovascular disease
- To improve understanding of cardiovascular physiology and the appropriate use of the cardiologist as a consultant
- To further develop skills of ECG interpretation

EVALUATION:

Preceptor's perception in the areas of knowledge, skills, and attitude. A review paper written on a subject negotiated with the preceptor at the beginning of the rotation and due at the end of the rotation.

CARDIOLOGY II – EKG READINGS

INM.M06

DURATION: 2 Weeks
ENROLLMENT: Maximum 3 Students
VISITING STUDENTS: No
PCR MAJORITY: No

PREREQUISITE: Successful completion of third year clerkships.

INM.M06: John Hudson, M.D., David Parish, M.D., Erskine James, M.D., Richard Reinhart, M.D., MCCG, Macon Georgia. Contact faculty to determine time of meeting, 478-301-5860

Not available on the Savannah Campus

DESCRIPTION:

The student will read electrocardiograms under the supervision of Dr. Hudson and other members of the faculty.

OBJECTIVES:

- He or she should understand the fundamentals of interpreting the electrocardiogram

EVALUATION:

The preceptor will evaluate the student's performance in the areas of knowledge, skills, and attitudes.

PULMONARY MEDICINE

INM.M08

DURATION:	2-4 Weeks
ENROLLMENT:	Maximum 2 Students
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE *Successful completion of third year clerkships*

INM.M08 Douglas Farman, M.D., **PRIOR APPROVAL REQUIRED**
Offered during months when NO students are enrolled in the
critical care medicine elective

No longer offered in Savannah

DESCRIPTION:

This elective will expose the student to various aspects of the practice of pulmonary medicine. The emphasis will be centered upon inpatient consultative practice. However, there will also be exposure to assisting with the primary care of patients with pulmonary disease as well as evaluating and working up patients in a clinic setting. Students will be required to make daily rounds and perform initial and follow up evaluations on the inpatient service. Students will be given lectures on the diagnosis and management of common pulmonary diseases as well as the evaluation of chest x-rays and ventilatory management.

OBJECTIVES:

- > Students should be able to systematically evaluate patients with underlying pulmonary disease. This will include an emphasis on diagnosing pulmonary diseases with detailed history, physical examination and chest x-rays.
- > Students will also be exposed to intensive care patients and will be expected to understand the fundamentals of ventilator management

EVALUATION:

Student's evaluation will be based upon his/her performance on rounds and a major importance will be placed on the student's ability to perform a detailed history and examination and then integrating this information to develop a differential diagnosis and subsequent diagnostic and treatment plan. Students will also be expected to prepare an oral presentation on a topic agreed upon at the beginning of the rotation.

DERMATOLOGY
INM.M09, INM.S09

DURATION: 2 – 4 Weeks
ENROLLMENT: Macon Max 2 students, Savannah Max 1 student
VISITING STUDENTS: No
PCR MAJORITY: Yes

PREREQUISITE: Successful completion of third year clerkships.

INM.M09: Upon approval of the requested preceptor; Contact Dr. Kent, Dr. Joshua Lane, or Dr. Cohen at 478-742-2180

INM.S09: Tonya McCullough, M.D., 820 E. 67th Street. Contact Chansom 912-355-2733. Enrollment =1 student, visiting students on approval.
Sidney Smith, M.D., 900 Mohawk Ave. Contact: Chalky, 912-925-0067. Enrollment =2, Yes to visiting students.

DESCRIPTION:

The student is assigned to a member of the dermatology faculty who serves as preceptor. Goals are to provide an introduction to the diagnosis and treatment of patients with skin disease. During the rotation the student will have the opportunity to examine patients with all of the most common skin disorders.

OBJECTIVES:

- To gain a greater understanding of the field of dermatology, pursuing the study in greater depth than was possible in the core curriculum in internal medicine
- To gain experience in the handling of patients with dermatologic disease under the tutelage of an experienced dermatologist
- To learn how to distinguish the different types of skin tumors, benign and malignant
- To learn how to obtain biopsies and other diagnostic modalities as well as methods of treatment of skin lesions
- To correlate skin lesions as they relate to other diseases of the body

EVALUATION:

The faculty will evaluate the student, based on performance; a comprehensive written exam will be given at the end of the rotation.

ENDOCRINOLOGY

INM.M10, INM.S10

DURATION: 2-4 Weeks
ENROLLMENT: Maximum 1 Student
VISITING STUDENTS: Yes

PREREQUISITE *Successful completion of third year clerkships*

INM.M10 Candi Nobles-James, M.D. Pager 736-0041

INM.S10 Contact – Debbie Brickner, Coordinator, Undergraduate
Medical Education 912-350-8076

DESCRIPTION:

This clerkship is designed to provide the senior medical student with more experience in endocrinology. Activities include comprehensive care of patients in an ambulatory setting, work-up of new patients, and designing care plans for new and existing patients. Students will also have the opportunity to learn from certified diabetes educators and to become more familiar with diagnostic testing used to evaluate the thyroid. Selected readings in endocrinology will be assigned during the rotation.

OBJECTIVES:

- Provide the senior medical student with knowledge in endocrinology that was not attained in the third year internal medicine clerkship
- Improve skills in gathering and recording appropriate patient information
- Enhance skills of the student in making appropriate clinical judgments and implementing proper therapy with regard to endocrine pathology

EVALUATION:

Student evaluations are based on their overall participation and week rotation.

GASTROENTEROLOGY

INM.M11, INM.S11

DURATION: 2 – 4 Weeks
ENROLLMENT: Maximum 2 Students
VISITING STUDENTS: No
PCR MAJORITY: Yes

PREREQUISITE: Successful completion of third year clerkships.

INM.M11: Shahriar Sedghi, M.D, 478-742-2474 or Davey Deal, Jr., M.D.

INM.S11: M. Murphy, M.D., Mark Nyce, M.D., Ryan Wannamaker, M.D., Edward Rydzak, M.D., Steven Carpenter, M.D., Joseph Hathaway, M.D., C. Duckworth, M.D. Center for Digestive & Liver Health 1139 Lexington Ave Ste. A
Contact 912-303-4200. Enrollment = 4 students per month, will accept visiting students

DESCRIPTION:

The student will participate in all facets of a busy office based and hospital based gastroenterology practice. He or she will see patients in consultation in the office and hospital or as admitted by the attending faculty. This will allow the student to become familiar with acute and chronic manifestations of GI disease processes. He or she will also be familiarized with the technical aspects of gastroenterology to include endoscopy, reflux analysis, motility, and other non-endoscopic gastrointestinal procedures.

OBJECTIVES:

- To improve the student's skills in performing a complete gastrointestinal history and physical examinations as it relates to gastrointestinal illness.
- To understand the relationship between the symptoms and signs which have been elicited in the pathophysiology of the underlying gastrointestinal diseases
- To develop an understanding of the indications and limitations of the various gastrointestinal procedures
- To become familiar with the nutritional evaluation and assessment of patients
- To understand the endoscopic approach to patient diagnosis and management and become familiar with the indications for gastrointestinal endoscopy.

EVALUATION:

The preceptor will evaluate the student's performance in the area of knowledge, skills, attendance, professional nature, and attitudes. The student will be expected to prepare a review paper or oral presentation.

NEUROLOGY
INM.M12, INM.S12

DURATION: 2 – 4 Weeks Savannah: 4 Weeks ONLY
ENROLLMENT: Maximum 1 Student/per preceptor
VISITING STUDENTS: Yes
PCR MAJORITY: Yes

PREREQUISITE: Successful completion of third year clerkships.

INM.M12: Thomas Hope, M.D., John Spiegel, M.D. Office, 389 Mulberry St., Ste. 200; Macon, GA. Contact – Bridgett Strickland, 478-743-9123, 2 or 4 week rotations

INM.S12: Kenneth Leone, M.D., 6602 Waters Avenue, Savannah, GA 31449. Contact: Carol – 912-354-7676. Four-week rotations only, maximum of 4 students per year in Adult Neurology and 2 students per year in Pediatric Neurology.

Joel Greenberg, M.D. (adult), Eric Pearlman, M.D. (pediatric), Savannah Neurology, 5356 Reynolds St. , Suite 300, Savannah, GA 31405 Contact: Linda or Sandra 912-353-3333
*4 week rotation in Adult or Pediatric Neurology or mixed

DESCRIPTION:

This elective will revolve around the practice of neurology. The student will be under the supervision of the preceptor. The student will fully participate in the evaluation of neurological patients both in the office and in the hospital. The evaluation of emergency neurological patients in the Emergency Room will be included. In addition, the student will be required to read selected neurological texts.

OBJECTIVES:

- To recognize the common neurological problems and to formulate a rational treatment plan
- To review basic neuroscience and its relation to clinical neurology

EVALUATION:

Student will be evaluated on performance, knowledge, skills, and attendance in the office and in the hospital, as well as by performance on a comprehensive written multiple-choice exam.

NEPHROLOGY**INM.M13, INM.S13****DURATION:** 2-4 Weeks**ENROLLMENT:** Maximum 2 Students/preceptor**VISITING STUDENTS:** Yes**PCR MAJORITY:** Yes

PREREQUISITE: Successful completion of third year Internal Medicine clerkship**INM.M13** Stan Peskoe, M.D., William Terry, M.D., Contact 2 weeks prior to scheduled rotation 478-301-5850. Mufid Othman, M.D., Contact 2 weeks prior to scheduled rotation 478-745-4322. Ludwig Cavaliers, V.M.D., Azmi Kabbani, M.D., Contact 2 weeks prior to scheduled rotation 478-745-5455.**INM.S13** Michael Wilkowski, M.D., Dana Kumjian, M.D., Rebecca Sentman, M.D., Contact Joyce Owens, 912-354-4813 at least two weeks prior to the start of the rotation to learn preceptor assignment and course schedule.

DESCRIPTION:

This elective will familiarize the student with the problems in Nephrology and general problems encompassed in clinical medicine. Instruction and reading is directed toward renal disease, e.g., disseminated lupus, multiple myeloma, systemic hypertension and acute and chronic renal failure. In addition, fluid, electrolyte and acid-base balance is stressed, and the treatment of problems demonstrated.

OBJECTIVES:

- To recognize the common renal problems and to formulate a rational diagnosis and treatment plan
- To develop in the broad aspects of Internal Medicine the diagnosis, treatment, and management of both acute and chronic renal failure
- To review renal anatomy and physiology and its relation to clinical nephrology

EVALUATION:

Student will be evaluated on performance, knowledge, skills, and attendance in the office and in the hospital. This subjective evaluation will be completed on the Senior Elective Evaluation Form.

MEDICAL ONCOLOGY

INM.M14

DURATION:	4 Weeks
ENROLLMENT:	Maximum 1 Student
VISITING STUDENTS:	Yes
PCR:	Yes

PREREQUISITE

Successful completion of third year clerkship

INM.M14

James F. Smith, M.D., Frederick M. Schnell, M.D., Kenneth Deaton, M.D., Bruce Burns, M.D., Linda K. Hendricks, M.D., 1062 Forsyth Street, Suite 1-B, Macon, GA. Contact – Traci Harris, 314-1662 (call two weeks before scheduled rotation)

Not available on the Savannah Campus

DESCRIPTION:

This elective will revolve around the private practice of oncology. The student will be under the supervision of either Dr. Smith, Dr. Schnell, Dr. Deaton, Dr. Hendricks, or Dr. Burns. The student will assist with obtaining the history, perform a physical examination, review the laboratory work, and suggest a plan for the management of that patient. The number of patients seen by the student will depend upon the availability of patients and the expertise of the student. It is expected that the student become familiar with general oncologic principles as it relates to some of the more common neoplastic disease, such as breast cancer, colon cancer, lung cancer, and lymphomas.

OBJECTIVES:

- To gain a greater understanding of the field of oncology, pursuing the study in greater depth than was possible in the core curriculum of Internal Medicine.
- To gain experience in the handling of patients with neoplastic disease under the tutelage of an experienced oncologist
- To obtain greater skill in completing the history, physical examination, review of laboratory work, and management of the patient
- To become familiar with general oncologic principles as it relates to neoplastic disease

EVALUATION:

Evaluation of the student will be based on the quality of his/her presentations, the degree of interest that the student takes in the subject matter, and demonstration of independent study.

INFECTIOUS DISEASE**INM.M15, INM.S15**

DURATION:	2 – 4 Weeks
ENROLLMENT:	Max 2 Students Macon, 1 Student Savannah
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE:	Successful completion of third year clerkships.
INM.M15:	Jeffrey Stephens, M.D. and Quyen Luu, M.D., MCCG, Macon, Georgia. Contact – 478-301-5850
INM.S15:	Please contact Debbie Brickner, Coordinator, Undergraduate Medical Education at 912-350-8076 for preceptor information.

DESCRIPTION:

This elective will revolve around the practice of infectious disease. Each student will participate fully in the evaluation of patients with infectious disease problems in the hospital and the clinic. They will be required to make daily rounds on the patients, which may include weekends.

Students will be given lectures on antibiotics, empiric treatment of common infectious disease problems, and AIDS. Reading of selected sections in standard infectious disease texts and pertinent articles will be required.

OBJECTIVES:

- To be able to demonstrate a systemic approach to the evaluation and management of a patient with an infectious disease problem using the problem-oriented approach
- To understand and be able to deal comfortably with the various aspects of HIV and AIDS
- To understand and manage common infectious disease problems and ancillary conditions
- To understand the principles of managing nosocomial disease
- To strengthen student capacity to effectively provide subspecialty consultation in an office and hospital setting.

EVALUATION:

The student's evaluation will be based upon his performance on rounds and at the bedside, and on a comprehensive test. Special attention will be placed on the student's ability to take a careful history, perform a complete examination, formulate a differential diagnosis and then develop a diagnostic and treatment plan based on this information.

RHEUMATOLOGY

INM.M16, INM.S16

DURATION: 2 – 4 Weeks
ENROLLMENT: Maximum 1 Student
VISITING STUDENTS: No/Yes for Savannah
PCR MAJORITY: Yes

PREREQUISITE: Successful completion of third year clerkships.

INM.M16: Kathy Lynn, M.D.; Nanette Crowley, M.D., 310 Hospital Drive Suite 210, Macon, GA 31201 Contact preceptor one week prior to rotation start date to determine course times, 478-742-0483 (course scheduling is dependent on scheduling of IM & FP Res.)

INM.S16: Please contact Debbie Brickner, Coordinator for Undergraduate Medical Education for preceptor information, 912-350-8076

DESCRIPTION:

This elective will expose the student to the practice of Rheumatology including inpatient hospital care and outpatient office experiences. Emphasis will be placed on physical diagnosis and medical management of patients with chronic rheumatologic diseases. Students will be expected to perform initial history taking and physical exams of office patients and document such in the patient chart. Students will formulate a working diagnosis and plan of treatment for each patient seen before presenting to the preceptor. Students will accompany the preceptor to consults at the hospital. Students will be given the opportunity to perform certain office and hospital procedures, such as arthrocentesis, based on the preceptor's judgment of their capabilities and understanding of the procedure.

OBJECTIVES:

- Through their exposure to an office-based practice, students planning on specializing in primary care fields should gain an understanding of the prevalence, diagnosis, and management of various commonly encountered Rheumatologic diseases.

EVALUATION:

Student's evaluation will be based on his/her performance with office patients and clinical consults. A major emphasis will be placed on the student's ability to perform concise history and physical examinations on patients and integrating this information into a well thought out differential diagnosis and plan of therapeutic care. The preceptor, as deemed appropriate, may implement other means of student assessment.

GERIATRIC MEDICINE

INM.S17

DURATION:	4 Weeks
ENROLLMENT:	Maximum 2 Students
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkships.

Not available on the Macon Campus

INM.S17: Please contact Debbie Brickner, Coordinator, Undergraduate Medical Education at 912-350-8076 for preceptor information.

DESCRIPTION:

Students will participate in daily discussion of all geriatric admissions and work rounds. The student will participate in geriatric clinics to work up a variety of geriatric syndromes including falls, incontinence, dementia, syncope, failure to thrive, sensory impairment, and cardiovascular disease in the elderly. Students will be given reading assignments of geriatric core curriculum. Students will have the opportunity to observe and participate in uro-dynamics and tilt table procedures. Students will participate in weekly “Geriatric Currents” and monthly Geriatric-Psych Case Conferences. Students will attend all medical education programs – Noon Conferences, Grand Rounds, and Morning Report.

OBJECTIVES:

- To recognize a variety of geriatric syndromes with atypical presentation of disease. They will learn to recognize the influence of age on disease as well as multiple pathology and interactions among disease and therapies
- To perform comprehensive geriatric assessment of patient
- To gain skill in medical decision-making for elderly patients, incorporating a medical assessment as well as laboratory values, test results, and also learn to diagnose and manage both chronic and acute, multiple illnesses in the elderly
- Medical management/coordination of care for patients in the ambulatory setting and in long-term care (home care, nursing home, and hospice care)
- To display respect for elderly patients and effective communication skills
- Students will receive instruction in biomedical ethics including competence autonomy, advance directives, and medical decision-making for people at the end of life

EVALUATION:

Student’s evaluation will be based on the preceptor’s perception of the student’s clinical performance, attendance, knowledge, skills, and attitude.

REHABILITATIVE MEDICINE

INM.M18

DURATION: 2-4 Weeks

ENROLLMENT: 2 Students

VISITING STUDENTS: No

PCR Majority: Yes

Successful Completion of Third Year

PREREQUISITE

INM.M18 Dr. Allison Scheetz, Dr. David Mathis, Dr. Rossana Carter
(478)301-5830

SAVANNAH Not available on Savannah Campus

DESCRIPTION: Students will participate in daily discussion of all rehab admissions and work rounds. The student will participate in all team conferences and teaching sessions to ensure appropriate therapeutic plans and safe discharges of all patients. Students will be responsible for all reading assignments of the rehab curriculum. Students will have the opportunity to actually participate in therapy sessions with their patients and family conferences of their patients. Students will become familiar with “rehab” terms including – functional independence measures (FIM), level of functions (LOF), activities of daily living (ADL); CMS – 13, etc.

OBJECTIVES:

I. Rehabilitative Medicine:

- Demonstrate and understanding of how physiatry is integrated into the medical care system.
- Modify history-taking to include information needed to initially appraise physical and psychosocial impairments that could create functional disabilities.
- Develop an active problem list of functional deficiencies and discuss with family and patient.
- Develop goals to maximize functional independence measures
- Develop discharge plans early and assure that environment is safe for patient and that local care is available.
- Participate actively in team conference multi-disciplinary team and family conferences.
- Become familiar with different clinical pathways in rehabilitative medicine.
- Show compassion/empathy toward patients with new disabilities.
- Act professionally at all times with all encounters with patients, families, and staff.

II. Responsibilities

- Comprehensive history and physical on each new admission assigned to the student by the faculty attending
- Daily progress notes on assigned patients
- Team conference participation (weekly)
- General medicine consults with attending faculty back-up
- Involvement with physical therapist, occupational therapist, speech pathologist and neuropsychologist on patients the students are assigned.

REHABILITATIVE MEDICINE
INM.M18 (CONTINUE)

III. Teaching

- Daily patient management rounds with attending
- Discussion of goals of care
- Discussion of consults/daily
- Selected reading

IV. Evaluation

Evaluation will be made by Dr. Scheetz, Dr. Mathis, or Dr. Carter at the end of rotation using the usual departmental evaluation form.

PODIATRY ROTATION**INM.M19****DURATION:** 2-4 Weeks**ENROLLMENT:** 2 Students**VISITING STUDENTS:** Yes**PCR Majority:** Yes

Successful Completion of Third Year

PREREQUISITE

INM.M19 Dr. George Vito, Foot and Leg Centers of Georgia
3556 Riverside Drive Macon, Georgia 31210, 478-475-9250

SAVANNAH Not available on Savannah Campus

DESCRIPTION:

The student will interact and evaluate patients and the treatment protocols that pertain to the foot, ankle and leg. The Foot and Leg Centers of Georgia and the Surgical Centers of Georgia is a Multi Physician Group, located in the Middle Georgia Area. Offices are located in Warner Robins, Macon, Milledgeville, and Forsyth, Georgia.

OBJECTIVES:

- To become familiar with the profession of Podiatry.
- To become familiar with the diagnosis and treatment protocols as it pertains to Podiatry.
- To assist the Physician in performing History and Physicals, treatment protocols and to surgically assist the surgeon within the Surgical Centers of Georgia.

EVALUATION:

An exit interview with the student, along with maintain adequate attendance at the clinics and Surgical Centers.

DEPARTMENT OF OBSTETRICS & GYNECOLOGY

**MEDICAL CENTER OF CENTRAL GEORGIA
777 HEMLOCK STREET
MACON, GEORGIA 31208
478-633-1056**

**MEMORIAL HEALTH UNIVERSITY
MEDICAL CENTER
P.O. Box 23089
SAVANNAH, GEORGIA 31403
912-350-3595**

<i>Course Number</i>	Course Name
OBG.S01	Sub-Internship in Obstetrics & Gynecology
OBG.M02	Clinical Gynecology/Reproductive Endocrinology
OBG.S03	Sub-Internship in Gynecologic Oncology
OBG.M04 OBG.S04	High-Risk Obstetrics
OBG.M05	Urogynecology & Pelvic Reconstruction
OBG.M06	Gynecology Oncology

SUB-INTERNSHIP IN OBSTETRICS & GYNECOLOGY

OBG.S01

DURATION:	4 Weeks
ENROLLMENT:	Maximum 2 Students
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkships.

Not available on the Macon Campus

OBG.S01: OB/GYN Faculty at MHUMC, Savannah, GA (William E. Osborne, M.D., David B. Byck, M.D., Kimberly Crute, M.D., Pamela G. Gallup, M.D., Todd A. Robinson, M.D., and Melissa A. Decker, M.D. Report to Barbara Cox, Ob/Gyn Education Office, 1st Floor of Main Hospital. 912-350-1368. Enrollment = 1 Student

DESCRIPTION:

The student spends two weeks in daytime assignment in obstetrics and two assigned to gynecology where he/she functions as an intern under supervision of residents and faculty. His/her nighttime call responsibilities are primarily to the obstetrics service. He/she is responsible for making rounds daily with attendings on the respective service and instituting patient care plans with resident and attending supervision.

OBJECTIVES:

- To solidify the educational objectives of the third year clerkship
- To provide a hands on experience on the management of Ob & Gyn patients

EVALUATION:

The Ob/Gyn Faculty Preceptor and Residents will evaluate the student on the basis of performance, skill, knowledge, and attitude. The degree of responsibility will be determined by student progress during the clerkship.

CLINICAL GYNECOLOGY/REPRODUCTIVE ENDOCRINOLOGY

OBG.M02

DURATION:	2-4 weeks
ENROLLMENT:	Maximum 1 students/Course Section
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkship

OBG.M02: Ob/Gyn Faculty and Residents. Contact Ob/Gyn Education Office, MCCG, Macon, GA., one week prior to the start of the clerkship. Contact – Amanda McDaniel, 478-633-1056
Not available in Savannah

DESCRIPTION:

The student is assigned to a member of the Ob/Gyn Faculty who serves as preceptor. The student will gain clinical experience in the practice of Gynecology in both inpatient and outpatient settings or have a concentration in reproductive endocrinology and Infertility.

GYN OBJECTIVES:

- To gain additional experience in the evaluation and treatment of ambulatory and inpatient Gynecology patients.
- To understand the indications and risks of Office Gynecologic procedures and to perform those procedures deemed appropriate by faculty (i.e. colposcopy, endometrial biopsy, cryosurgery, cystometrics, etc.)
- To understand the evaluation and management of common inpatient problems (i.e. PID, ectopic pregnancy, etc.)
- To understand the indications for and principles of common gynecologic surgical procedures (i.e. Hysterectomy, laparoscopy-diagnostic and therapeutic, incontinence procedures, hysteroscopy, etc.)
- To understand recommended screening exams for the gynecologic patient (i.e. Pap, Mammography, Cholesterol, Colorectal, etc.)
- To understand the effectiveness and risks of various contraceptive choices.
- To understand the evaluation of abnormal cervical cytology.

REI and INFERTILITY OBJECTIVES:

- To gain additional experience in the evaluation and management of ambulatory infertility patients
- To gain additional experience in the evaluation and management of patients with endocrine disorders of reproduction
- To observe assisted reproductive technology procedures such as in-vitro fertilization
- To observe embryology laboratory procedures such as invitro fertilization, intra cytoplasmic sperm injection, assisted hatching, and cryopreservation of embryos.

CLINICAL GYNECOLOGY/REPRODUCTIVE ENDOCRINOLOGY (Cont'd)
OBG.M02

REI and INFERTILITY OBJECTIVES: (Cont'd)

- To observe semen analysis and sperm preparation techniques for infertility patients
- To observe intra- uterine insemination
- To observe and participate in advanced reproductive laparoscopic and hysteroscopic surgeries
- To observe diagnostic techniques for infertility patients such as ultrasound, saline infused sonography and HSG
- To gain a better understanding of immunoassay techniques utilized to measure serum hormone levels.

EVALUATION:

The Ob/Gyn Faculty and residents will evaluate the student on the basis of performance, skill, knowledge, and attitude. The degree of responsibility will be determined by student progress during the clerkship.

SUBINTERNSHIP IN GYNECOLOGIC ONCOLOGY

OBG.S03

DURATION:	4 Weeks
ENROLLMENT:	Maximum 1 Student/Course Section
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year Ob/Gyn clerkship
Not available on the Macon campus

OBG.S03: GYN/Oncology Faculty at MHUMC, Savannah, GA; James J. Burke, II, M.D.; Snehal Bhoola, M.D. Report to Ob/Gyn Resident Office (in main hospital building, 1st floor) at 9:00 a.m. on the first day. Contact Barbara Cox (912) 350-1368.

DESCRIPTION:

The student will participate in the care of private patients and staff patients under the supervision of the faculty member and senior resident on the Gynecologic Oncology Service. Daily review of pathology slides and x-ray examinations is integrated with rounds on inpatients. The student will scrub on all surgical procedures as a second assistant and occasionally as the first assistant. The student will dictate some of the operative reports or write a report on the records with the attending and be instructed in postoperative care, including hyperalimentation and chemotherapy. The student will be encouraged to participate in some clinical studies. Student may present in GYN/Oncology Tumor Board.

OBJECTIVES:

- To learn basics of care of patients with female genital cancer
- To learn care of seriously ill post-operative patients.
- To learn basic of radical pelvic surgery
- To learn integration of chemotherapy and radiation therapy

EVALUATION:

The Gyn Oncology Faculty Preceptor and Residents will evaluate the student on the basis of performance, skill, knowledge, and attitude. The degree of responsibility will be determined by student progress during the clerkship.

HIGH RISK OBSTETRICS

OBG.M04, OBG.S04

DURATION:	2-4 weeks
ENROLLMENT:	Maximum 1 student/course Section
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkship

OBG.M04: Mark Boddy, M.D. and Ob/Gyn Faculty and Residents. 7:30 a.m. in the Ob Conference Room on the first day of the elective.
Contact – Amanda McDaniel, 478-633-1056

OBG.S04: Report to W. Lynn Leaphart, M.D., Ob/Gyn Resident Office (main hospital building, 1st floor) at 8:30 a.m. on the first day.
Barbara Cox, 912-350-3595.

DESCRIPTION:

The student is assigned as member of the high-risk team. The student will gain clinical experience in the practice of Obstetrics with an emphasis on the management of the high-risk pregnancy.

OBJECTIVES:

- To understand the basics of antenatal care in the normal pregnancy
- To understand the normal physiological changes in pregnancy
- To recognize high risk factors in pregnancy
- To understand the pathophysiology, antepartum, intrapartum, and post-partum management of common high-risk pregnancy complications.
- To be involved in the management of ambulatory and hospitalized high risk patients
- To recognize the importance of patient education in managing high risk patients
- Students will be expected to perform a presentation on a high-risk patient (Savannah Campus)

EVALUATION:

The Ob/Gyn Faculty Preceptor and Residents will evaluate the student on the basis of performance, skill, knowledge, and attitude. The degree of responsibility will be determined by student progress during the clerkship.

UROGYNECOLOGY & PELVIC RECONSTRUCTION

OBG.M05

DURATION: 2 weeks
ENROLLMENT: Maximum 1 student
VISITING STUDENTS: No
PCR MAJORITY: Yes

PREREQUISITE: Successful completion of third year clerkship

OBG.M05: Faculty: Paul Kross, M.D., Director of Urogynecology
(478)633-1821

Not available in Savannah

DESCRIPTION:

The student will spend 2 weeks with Dr. Kross functioning as a sub – intern. The student will participate in all aspects of the service including the inpatient & out patient (office) settings, as well as the operating room.

OBJECTIVES:

- To learn the basics of Urogynecology
- To learn the basis of anatomic defects& how to correct them
- To learn both medical & surgical therapies, as well as other non-invasive technologies.

EVALUATION:

Dr. Kross will evaluate the student on the basis of performance, skills, knowledge & attitude. The degree of responsibility will be determined by student progress during the clerkship.

GYNECOLOGY ONCOLOGY

OBG.M06

DURATION:	2 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkship

OBG.M06: Faculty: Gary Eddy, Sr., Director of Gynecology Oncology
(478)633-6090

Not available in Savannah

DESCRIPTION:

The student will spend 2-4 weeks with the Gyn. Oncology team functioning as a sub – intern. The student will participate in all aspects of the service including the inpatient & out patient (office) settings, as well as the operating room.

OBJECTIVES:

- To learn the basic care of patients with female genital cancer
- To learn the care of seriously ill post operative patients
- To learn basics of radical pelvic surgery
- To learn integration of chemotherapy, radiation therapy and hospice care.

EVALUATION:

Dr. Eddy and residents on service will evaluate the student on the basis of performance, skills, knowledge & attitude. The degree of responsibility will be determined by student progress during the clerkship.

DEPARTMENT OF PATHOLOGY

**MEDICAL CENTER OF CENTRAL GEORGIA
777 HEMLOCK STREET
MACON, GEORGIA 31208
478-633-1329**

Course Number	Course Name
PAT.M01	Anatomic Pathology
PAT.M02	Laboratory Medicine

Pathology Electives are not available on the Savannah Campus

ANATOMIC PATHOLOGY

PAT.M01

DURATION:	4 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	No
PCR MAJORITY:	No

PREREQUISITE: Successful completion of third year clerkships

PAT.M01: Edgar Pierce, M.D., Eugene Battles, M.D., Pathology Department.
MCCG, Macon, GA
Contact: Edgar Pierce, M.D., MCCG, 478-633-1329,
and/or Robert S. Donner, M.D., MUSM,
478-301-2560.

DESCRIPTION:

This elective is designed to give the student experience in the examination of morphologic changes of disease and the relation of those changes to the clinical course of the patient. It will center on daily gross and microscopic examination of surgical and cytology specimens. Clinicopathological correlation will be emphasized and literature research encouraged. This real time experience will be augmented by study of archival material designed to emphasize a variety of disease processes involving different major organ systems.

OBJECTIVES:

Upon completion of this elective, the student:

- will be able to identify the gross morphologic features that characterize various disease processes;
- will be able to utilize the microscope to identify microscopic morphologic features of tissue slides that characterize various disease processes;
- will be able to characterize and discuss the pathophysiology of certain disease processes, with emphasis on common disease processes, particularly neoplasia;
- will be able to describe and explain the clinicopathologic correlation of certain disease conditions, and;
- will be able to identify the role of the anatomic pathologist and the importance of surgical pathology and cytology in patient care.

EVALUATION:

The student will be evaluated according to the preceptor's observations of the student performance and practical quiz on archival histologic sections.

LABORATORY MEDICINE

PAT.M02

DURATION:	2 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	No
PCR MAJORITY:	No

PREREQUISITE: Successful completion of third year clerkships

PAT.M02: Edgar Pierce, M.D., William T. Pope, Ph.D., Eugene Battles, M.D., Pathology Department, MCCG, Macon, GA
Contact: Robert S. Donner, M.D., MUSM,
478-301-2560 and/or Edgar Pierce, M.D., MCCG,
478-633-1329

DESCRIPTION:

Laboratory Medicine will provide experience in the clinical laboratory of the Department of Pathology at the Medical Center of Central Georgia. Interpretation and correlation of laboratory data will be stressed. The student will gain an understanding of the sections of the laboratory including chemistry, microbiology, blood bank, and hematology. Clinical pathologic correlation will be emphasized and will be accomplished by patient rounds and chart review under the direction of the course preceptors and medical technologists. The student will be expected to review reference articles, textbooks, and selected case material, which will be available in the department.

OBJECTIVES:

Upon completion of this elective, student:

- will be able to identify the diagnostic tests and to correlate the tests with the clinical disorders related to myocardial ischemia and infarction, hepatocellular and renal diseases, and abnormal conditions involving lipid metabolism and immunoglobulin production;
- will be able to use a microscope, study sets and current hematology case material to identify and differentiate normal and abnormal cellular components of blood, and to correlate the cells with specific disease conditions;
- will be able to identify micro-organisms involved with infections at different body sites, to interpret antibodysensitivity tests, and to distinguish normal and abnormal antinuclear antibody tests;
- will be able to identify the tests that are appropriate for screening for coagulation disorders and to correlate test results with the clinical condition of the patient;
- will be able to identify and interpret the tests involved in typing and cross-matching procedures for blood transfusion and antibody identification, to differentiate the types of transfusion reactions, and to distinguish the appropriate blood components for transfusion.

EVALUATION:

A comprehensive evaluation will follow completion of the elective and will be based on subjective evaluation by the course preceptors as well as results of a written examination.

DEPARTMENT OF PEDIATRICS

**MEDICAL CENTER OF CENTRAL GEORGIA
777 HEMLOCK STREET
MACON, GEORGIA 31208
478-633-7500**

**MEMORIAL HEALTH UNIVERSITY
MEDICAL CENTER
P.O. BOX 23089
SAVANNAH, GEORGIA 31403
912-350-8194**

<i>Course Number</i>	<i>Course Name</i>
PED.M01 PED.S01	Pediatric Sub-Internship
PED.M02 PED.S02	Pediatric Hematology-Oncology
PED.M03	Neonatology
PED.M04 PED.S04	Ambulatory Care Pediatrics
PED.M05 PED.S05	Child Development/Behavioral Pediatrics
PED.M06 PED.S06	Pediatric Specialty
PED.M07 PED.S07	Pediatric Cardiology
PED.M08 PED.S08	Pediatric Critical Care
PED.S09	Child Advocacy
PED.S10	Pediatric Endocrinology

PEDIATRIC SUB-INTERNSHIP**PED.M01, PED.S01**

DURATION:	4 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE:	Successful completion of required third year clerkship
PED.M01:	Debbie West, M.D. and Department of pediatrics attending MCCG physicians – Children’s Hospital, Macon, Georgia. Contact – 478-633-7600.
PED.S01:	Natalie Hogan, M.D. and Department of Pediatrics attending MHUMC physicians – Backus Children’s Hospital, Savannah, Georgia. Contact Melissa Goodman 912-350-7847.

DESCRIPTION:

The student will perform as an acting intern. He/she will assume primary care responsibility for staff patients admitted to the Children’s Hospital under the direct supervision of the faculty. The student will participate in the evaluation and management of emergency pediatric problems. Emphasis will be placed on applying basic principles to achieve optimal patient care. Students will report directly to the ward. Student will take night call during which he/she will participate in ward and ER calls under the supervision of the intern and/or resident on call.

OBJECTIVES:

- To increase the student’s knowledge base, clinical skills, and decision making capabilities in the area of hospital-based General Pediatrics.
- To gain better exposure to the role and responsibilities of a pediatric intern
- To develop a differential diagnosis and make recommendations for establishing the diagnosis and providing the appropriate therapy in an in-patient setting and in the emergency room
- To gain proficiency in common diagnostic and therapeutic procedures
- To interact with hospital personnel such as: pediatric social workers, child life specialists, psychologists, etc. This is to broaden the exposure of the student to the dynamics of the child, the family, and psychosocial considerations.
- To communicate with families in a manner that demonstrates compassion and assures parents comprehension of the child’s illness and treatment

EVALUATION:

Subjective evaluation will be completed on the student by the assigned faculty and residents.

PEDIATRIC HEMATOLOGY-ONCOLOGY

PED.MO2, PED.S02

DURATION:	4 weeks
ENROLLMENT:	Maximum 2 students / 1 student for Savannah
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of required third year clerkship

PED.M02: *Ishan Al-Khalil, Dept. of Pediatrics, MCCG 633-1104*

PED.S02: Trib Vats, M.D., Cynthia Gonzales, M.D., & Lawrence Frankel, M.D. Backus Children's Hospital, Savannah, GA. Contact at least one week prior to the start date, Cheryl Douse 912-350-8194

DESCRIPTION:

This elective provides the opportunity to evaluate and follow children and young adults with hematologic or oncologic disorders, as well as adults with pediatric malignancies in both in-patient and out-patient settings. The student will function as an integrated member of the Pediatric Hematology-Oncology team in the care of patients hospitalized for evaluation and treatment, as well as routine and acute "walk-in" patients in the out patient clinic. Students will be encouraged to follow newly diagnosed patients for evaluation and continuity, as time allows. Additionally, established patients will provide a broad perspective of the various diagnoses in both hematology and oncology. Emphasis will be placed on general knowledge of the clinical approach to children with anemia and other red cell disorders, neutropenia, platelet and coagulation disorders, and pancytopenia. Likewise, general knowledge of childhood cancer including incidence, prognosis, and integrated multi-disciplinary care will be provided. Lastly, competence with interpretation of the CBC, peripheral blood smear, and bone marrows will be established.

OBJECTIVES:

- To increase the student's knowledge base, clinical skills, and decision making capabilities in the care of children with hematologic and oncologic disorders.
- To evaluate the patient with hematologic and oncologic abnormalities.
- To interpret the peripheral blood smears of infants and children.
- To gain exposure to common diagnostic and therapeutic procedures
- To communicate with families in a manner that demonstrates compassion and assures parental comprehension of the child's illness and treatment

EVALUATION:

Subjective evaluation will be completed on the student based upon the student's medical knowledge, communication skills, interest in patients, enthusiasm, and presentation skills.

NEONATOLOGY

PED.M03

DURATION:	2-4 weeks
ENROLLMENT:	Maximum 1 student / Must be Pre-approved
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of required third year clerkship

PED.M03: Mitch Rodriguez, M.D., Edward Conner, M.D., Atul Khurana, M.D. MCCG – Neonatal Intensive Care Unit, Macon, Georgia.
Contact – Dr. Rodriguez
Pager – 326-0171 *Student must have pre-approval from Dr. Rodriguez as elective is only offered at certain times of the year.*

DESCRIPTION:

This elective is to advance the student's knowledge, experience, and skills in the care of low birth weight and critically ill newborns that are managed in the Neonatal Intensive Care Nursery at the Medical Center of Central Georgia. The students will perform as externs and share primary care responsibilities with the resident for a selected number of infants with a variety of life-threatening problems. Emphasis will be placed on stabilization of stressed newborns, methods of evaluation and options of treatment. The student is expected to make daily rounds with the attendings and present patients' problems and plan of management. He/she is required to present a seminar on a neonatology topic. The student will have opportunities to participate in all diagnostic and therapeutic procedures (e.g. lumbar puncture, umbilical artery catheterization, etc.).

OBJECTIVES:

- To increase the student's knowledge base, clinical skills, and decision making capabilities in the care of the critically ill newborn
- To gain proficiency in common diagnostic and therapeutic procedures
- To communicate with families in a manner that demonstrates compassion and assures parents comprehension of the child's illness and treatment

EVALUATION:

Subjective evaluation will be completed on the student based upon the student's medical knowledge, communication skills, interest in patients, and presentation of a seminar.

AMBULATORY CARE PEDIATRICS

PED.M04, PED.S04

DURATION:	2-4 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of required third year clerkship

PED.M04: Edward Clark, M.D. and Department of Pediatrics attending physicians MCCG – Children’s Health Center, Macon, Georgia.
Contact – Darlene Bowling – 478-633-6835

PED.S04: Kasey Berman, M.D. and Donna Evans, M.D., Backus Children’s Hospital, Outpatient Center, Savannah, Georgia
Contact – Melissa Goodman, 912-350-7847.

DESCRIPTION:

The student is expected to attend the General Pediatrics Clinic at the Children’s Health Center or the office of one of the pediatricians for four and one-half days each week. He/she will perform problem-oriented evaluations on sick children. The student will perform well-child care evaluations, sports physicals, and outpatient pre-operative evaluations. He/she will present the evaluations for discussion to the clinical preceptor. The student will attend the pediatric residents’ daily noon conferences.

OBJECTIVES:

- To provide the student with the opportunity of in-depth exposure to ambulatory pediatric problems and well-child care.

EVALUATION:

Subjective evaluation will be completed on the student by the assigned faculty. **Attendance is mandatory on all clinical days unless excused by the clinical clerkship director.**

CHILD DEVELOPMENT/BEHAVIORAL PEDIATRICS

PED.M05, PED.S05

DURATION:	4 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of required third year clerkship

PED.M05 Elizabeth Young, M.D. – Children’s Health Center, Macon , Georgia. Contact – 478-301-4162

PED.S05: Doris M. Greenberg, M.D., Office at 5120 Paulsen St., Savannah, GA. Contact – Dr. Greenberg, 912-354-4953 (contact 2 weeks prior to the start of the elective to set up schedule).

DESCRIPTION:

This branch of Pediatrics has seen rapid growth during the past ten years as improved diagnosis and therapeutic modalities have become available. The student will participate in an active private practice and learn about management of patients on a one-to-one level. The patient population will be limited to children with developmental problems, handicaps, limitations, school difficulties, and behavioral disorders. This discipline bridges the gaps between general pediatrics, neurology, and psychiatry.

OBJECTIVES:

- To provide the student with the opportunity of in-depth exposure to child development and behavioral disorders.
- To enable the student to work with children and their families when confronted with behavioral problems, school-related difficulties, and physical or emotional limitations.
- To teach the student different approaches to the complexity of long-term illness along with interactions between family, school, and community resources.

EVALUATION:

Subjective evaluation will be completed on the student by the assigned faculty. The student will be evaluated on clinical knowledge, enthusiasm, patient/family/peer interactions, and participation.

PEDIATRIC SPECIALTY

PED.M06, PED.S06

DURATION: 2-4 weeks
ENROLLMENT: Maximum 1 student
VISITING STUDENTS: Yes
PCR MAJORITY: Yes

PREREQUISITE: Successful completion of required third year clerkship

PED.M06: Department of Pediatrics attending physicians. MCCG – Children’s Health Center, and selected clinics, Macon, Georgia. Contact – Stacy Jackson, 478-633-1063

PED.S06: Please contact Debbie Brickner, Coordinator, Undergraduate Medical Education at 912-350-8076 for preceptor information.

DESCRIPTION:

The student is expected to attend the selected specialty Clinic at the Children’s Health Center and/or the office of one of the specialized pediatricians for four and one-half days each week. He/she will perform problem-oriented evaluations on sick children. The student will perform evaluations, plan long-term care, and perform follow-up evaluations. He/she will present the evaluations for discussion to the clinical preceptor. The student will have assigned readings and must be prepared to discuss the readings with the preceptor. The student will attend the pediatric residents’ daily noon conferences.

OBJECTIVES:

- To provide the student with the opportunity of in-depth exposure to one or more pediatric specialties either because of personal interest or to make up for a specific weakness.
- To teach the student how to search the medical literature and present critical analysis of the reading materials.

EVALUATION:

Subjective evaluation will be completed on the student by the assigned faculty. **Attendance is mandatory on all clinical days unless excused by the clinical preceptor.**

Subjects selected in the past include Hematology/Oncology, Endocrinology, Adolescent Medicine, Newborn Nursery, Child Development, Special Needs Children, Gastroenterology, Sports Medicine, and Asthma/Allergy. Other topics are available dependent on faculty preceptor availability.

PEDIATRIC CARDIOLOGY

PED.M07, PED.S07

DURATION: 2 – 4 weeks
ENROLLMENT: Maximum 2 student
VISITING STUDENTS: Yes
PCR MAJORITY: Yes

PREREQUISITE: Successful completion of required third year clerkship

PED.M07: Macon – William Ham, M.D. MCCG – Children’s Heart Center, Macon, Georgia. Contact – Stephanie Frank 478-743-4622
Note: the elective is available on a limited basis in the Spring, check with program coordinator for available dates.

PED.S07: Blake Long, M.D., Kenneth Burch, M.D., John Pastorek, M.D. Savannah’s Children’s Heart Center – Provident Bldg., Suite 512, Savannah, GA. Contact – Dr. Long 912-350-8085
Avalibility limited in December, June through August.

DESCRIPTION:

The student involvement will include:

- Allotted time for reading from a provided syllabus
- Initial assessment of consultations
- Admission and work-up of cath. patients, including attending the cardiac catheterization (NOT IN SAVANNAH)
- Admission and work-up of new patients requiring hospitalization
- Time allotment for echocardiogram and electrocardiogram reviews
- Preparation of a 30 minute informal review of a pediatric cardiac subject.
- Participation in Outpatient evaluation and management of pediatric cardiology patients.

OBJECTIVES:

- To introduce the student to a basic understanding of pediatric cardiac diseases and the tools available for evaluation
- To evaluate a child with a murmur, interpret a pediatric electrocardiogram, and understand the physiology of acyanotic and cyanotic heart disease in infants and children.

EVALUATION:

Subjective evaluation will be completed on the student by the assigned faculty. Evaluated areas will be participation, clinical ability to formulate information, and enthusiasm.

PEDIATRIC CRITICAL CARE

PED.M08, PED.S08

DURATION:	2-4 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of required third year clerkship

PED.M08: Lowell C. Clark, M.D., Roger Delacruz, M.D., Umesh Narsinghani, M.D. MCCG – Children’s Hospital, Macon, Georgia. Contact – Dr. Lowell Clark 478-633-1633

PED.S08: Thomas W. McKee, M.D. and Mary Carol Lytle, MD - PICU, 2nd Floor Main Hospital, Savannah GA. Contact – Melissa Goodman 912-350-7847.

DESCRIPTION:

This elective is designed to advance the student’s knowledge, experience, and skills in the care of the critically ill child. Emphasis will be placed on pathophysiology and management of common pediatric intensive care problems including acute respiratory failure, sepsis, poisoning, and trauma. Principles of monitoring will be stressed. The student will work directly at bedside with the preceptor and have the opportunity, where appropriate, to gain experience in invasive procedures. The student will make daily rounds and function as an extern. Major topics to be covered include: Fluid and electrolytes, closed head injury, seizures, respiratory distress/arrest, shock (Cardiogenic and non-cardiogenic), renal physiology, and sepsis.

OBJECTIVES:

- To advance the student’s knowledge of the general principles of pediatric intensive care
- To provide introductory experience in the procedures of intensive care medicine
- **Macon** - To provide the student with expanded and refined technical skills as applied in the PICU.
- **Savannah** - To provide the student with an introductory experience in the evaluation and management of Critically ill children.

EVALUATION:

Subjective evaluation will be completed on the student by the assigned faculty and residents. Evaluation will cover the student’s participation, clinical ability to formulate and apply treatment plans, enthusiasm, and attendance.

CHILD ADVOCACY

PED.S09

DURATION:	2 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	No
PCR MAJORITY:	No

PREREQUISITE: Successful completion of required third year clerkship
Not Available in Macon

PED.S09: Donna Evans, M.D., Contact Melissa Goodman 912-350-7847
Students will report to Pediatric Education office at 9:00am on first day.

DESCRIPTION: This elective is designed to teach medical students the physician's role in child protection in the hospital and outpatient setting. The student will understand the scope of physical and sexual abuse as it relates to outpatient and inpatient practice of pediatric medicine. The medical student will participate in inpatient and outpatient consultations for child physical and sexual abuse. The student will be given a notebook of articles and DC Rom of lectures for their review during the rotation. The student will also spend time observing at the Coastal Children's Advocacy Center where child victims are interviewed for evidentiary purposes. In addition, the student will attend the multidisciplinary team staffing where all cases of physical and sexual abuse are reviewed each week. The student will observe and learn how the physician examiner interfaces with the community resources and the criminal justice system. The student will also accompany Dr. Evans to any court cases that she has to testify at during the rotation. During the rotation, the student will observe and participate in all aspects of child protection from initial referral to disposition in court or weekly staffing.

OBJECTIVES:

- The student will gain experience in taking a medical history as it pertains to a child abuse case.
- The student will become familiar with medical literature in the area of child abuse and neglect.
- The student will know how to conduct an examination for physical and sexual assault.
- The student will experience the interaction of professionals during multidisciplinary staffing for child abuse cases.
- The student will become familiar with the role of the medical expert witness in child abuse court testimony.

EVALUATION: The preceptor, on the basis of performance, skill, knowledge, and attitude will evaluate the student. The degree of responsibility will be determined by student progress during the clerkship. A post test to assess knowledge is given at the end of the rotation.

PEDIATRICS ENDOCRINOLOGY

PED.S10

DURATION:	2 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of required third year clerkship
Not Available in Macon

PED.S09: Christopher Houk, M.D., Backus Children's Hospital Outpatient Center. Contact Melissa Goodman (912)350-7847

DESCRIPTION:

The goal is to provide an understanding of the role of the pediatrician in preventing endocrine dysfunction, and in counseling and screening individuals at risk for this disease.

OBJECTIVES:

- To differentiate between normal, physiologic deviations from normal, and pathological states related to endocrinology.
- To evaluate patients who present with signs and symptoms that may represent an endocrine disease process.
- To diagnose and manage endocrine conditions in patients not generally requiring referral.
- Recognize, initiate management of, and refer patients with endocrine conditions that require referral.
- Diagnose and manage uncomplicated diabetes mellitus with or without the assistance of an endocrinologist.

EVALUATION:

The preceptor, on the basis of performance, skill, knowledge and attitude will evaluate the student. The degree of responsibility will be determined by student progress during the clerkship.

DEPARTMENT OF PSYCHIATRY

**MEDICAL CENTER OF CENTRAL GEORGIA
777 HEMLOCK STREET
MACON, GEORGIA 31208
478-301-4033**

**MEMORIAL HEALTH UNIVERSITY
MEDICAL CENTER
P.O. BOX 23089
SAVANNAH, GEORGIA 31403
912-350-8000**

Course Number	Course Name
PSY.M02	Private Practice of Psychiatry for the Primary Care Physician
PSY.M03	Consultation Liaison Psychiatry
PSY.M04	Child and Adolescent Psychiatry
PSY.M05 PSY.S05	Addiction Recovery
PSY.M06	Family Therapy
PSY.M07 PSY.S07	Substance Abuse

**PRIVATE PRACTICE OF PSYCHIATRY FOR THE PRIMARY CARE PHYSICIAN
PSY.M02**

DURATION: 2 – 4 Weeks
ENROLLMENT: Maximum 1 student
VISITING STUDENT: No
PCR MAJORITY: Yes

PREREQUISITE: Successful completion of third year clerkships.

PSY.M02: Cesar Figueroa, M.D. Contact preceptor at least one week prior to the start of the course. Contact – Susan Hill, 478-301-4033

Not available on the Savannah Campus

DESCRIPTION:

This elective will be structured at the hospital where the student will carry a select number of inpatients and in outpatient clinics. He/she will be under the direct supervision of Dr. Figueroa. The student will have instruction in the area of psychopharmacology geared toward the primary care physician.

OBJECTIVES:

- The goal of the elective would be to gain exposure to behavioral disorders in inpatient and outpatient settings
- Psychopharmacology and psychotherapeutic techniques will be stressed as a primary care physician in his private practice can utilize them.

EVALUATION:

Subjective evaluation will be based on the Preceptor's perception of the student's clinical performance, knowledge, skills, attendance, and attitude during the rotation.

CONSULTATION PSYCHIATRY

PSY.M03

DURATION:	2 – 4 Weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENT:	No
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkships.

PSY.M03: Grady Carter, M.D., Paige Tench, M.D., Contact preceptor at least one week prior to the start of the course. Contact – Susan Hill at 478-301-4033

Not available on the Savannah Campus

DESCRIPTION:

The student will learn to diagnose and treat psychiatric disorders in complex medically ill patients. The student will round in the mornings with the Psychiatric Consult Service of the Medical Center of Central Georgia. The student will research topics of interest and meet 1 to 2 hours in a week with the preceptor to discuss them.

OBJECTIVES:

- Increase knowledge base and awareness of psychiatric syndromes as they present in medical and surgical patients.
- Increase knowledge base of the common medical causes of delirium, dementia, depression, and of the common psychosomatic syndromes.
- Increase awareness of the psychosocial sequelae of life-threatening medical and surgical disease.
- Increase awareness of the principles of behavioral medicine including stress management, pain management, and behavioral approaches to medication non-compliance, and other unhealthy behaviors.
- Improve skills in patient interviewing, behavioral management of psychiatric disorders in medical/surgery patients, and in psychopharmacologic interventions in such patients.

EVALUATION:

Supervisors' observations of student's clinical evaluations and presentations and willingness to pursue additional readings on timely topics.

CHILD AND ADOLESCENT PSYCHIATRY

PSY.M04

DURATION:	4 Weeks
ENROLLMENT:	Maximum 2 students
VISITING STUDENT:	No
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkships.

PSY.M04: Sonia Miles, M.D. Contact preceptor at least one week prior to the start of the course. Contact – Susan Hill, 478-301-4033

Not available on the Savannah Campus

DESCRIPTION:

The setting for this elective is the Mercer Health Systems, Out Patient Child and Adolescent Clinic and any other treatment setting available at the time of the rotation.

OBJECTIVES:

- This elective presents, along with many other possibilities, the following opportunities:
 - Students will be directly involved in the intake work-up of two new patients
 - Students will then join the treatment team for his/her patient
 - Students will appreciate the interventions which can be made in the primary care office and when referral for specialized treatment is indicated

EVALUATION:

Direct contact and observation by the supervisor of the student performing initial evaluations as well as psychotherapy. Will observe the student's ability to work with psychotropic medications and his/her knowledge thereof. Student will perform evaluation and follow-up therapies under direct supervision.

ADDICTION RECOVERY**PSY.M05, PSY.S05**

DURATION: 2– 4 Weeks
ENROLLMENT: Maximum 2 Students
VISITING STUDENT: No
PCR MAJORITY: Yes

PREREQUISITE: Successful completion of third year clerkships.

PSY.M05: A. Alderman, M.D. Contact preceptor at least one week prior to the start of the course. Contact – Susan Hill, 478-301-4033

PSY.S05: Contact: Art Worden, RN. 912-355-1440 Location: Recovery Place, 835 E. 65th Street. OR
Contact Debbie Brickner, Coordinator Undergraduate Medical Education for schedule information, 912-350-8076.

DESCRIPTION:

The student will round with Dr. Alderman (on the Macon Rotation) on the Chemical Dependency Service at Colosium Psychiatric Hospital and participate in out-patient clinics at Mercer Health Systems, 655 First St., Macon, GA.

The student will report to Recovery Place (on the Savannah Rotation) and participate as scheduled by the preceptor.

OBJECTIVES:

- To increase student knowledge in recognizing and understanding addictive disease.
- Students will work with inpatients as well as outpatients
- Emphasis will be placed on enhancing diagnostic skills and the ability to recognize denial and deal with it effectively

EVALUATION:

Student will be required to make a case presentation to the preceptor and appropriate staff.

FAMILY THERAPY**PSY.M06**

DURATION:	2 – 4 Weeks
ENROLLMENT:	Maximum 1 Students
VISITING STUDENT:	No
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkships.

PSY.M06: Dr. Melton Strozier Contact preceptor at least four week prior to the start of the course. Contact – Susan Hill, 478-301-4033

Not available on the Savannah Campus

DESCRIPTION:

This course is to focus on the integration of Family Therapy within medical practice. Opportunity will be given for the student to analyze various approaches to assessment, analysis, diagnosis, and referral, as well as the beginning phases of treatment of dysfunctional families in a medical practice as the student does co-therapy in the outpatient setting. The student will be exposed to physicians who use various treatment modalities as well as those who refer patients' families to family therapists. Focus will be on decision-making as it affects the integration of therapy into practice. Areas covered are genetic counseling, sexual counseling, contraceptive counseling, as well as the dysfunctional family presenting with somatic complaints relating to family interaction.

OBJECTIVES:

- To learn four theoretical approaches to family dysfunction and identify how each views assessment, diagnosis, and treatment
- To be able to discuss various levels of primary care physician treatment and/or referral due to family dysfunction
- To redefine illness in biopsychosocial terms with emphasis on the emotionally dysfunctional family presenting with somatic complaints

EVALUATION:

The student and the faculty member will tape and review student's co-therapy family sessions. Review and evaluate analyses of family dysfunction from the four theoretical approaches using formal Family Analysis. Student will outline how he/she will integrate family therapy into his/her primary care practice.

SUBSTANCE ABUSE

PSY.M07, PSY.S07

DURATION: 2 Weeks
ENROLLMENT: check with preceptor for max. amount of students
VISITING STUDENT: No
PCR MAJORITY: No

PREREQUISITE: Successful completion of third year clerkships.

PSY.M07: Contact – Susan Hill, 478-301-4033

PSY.S07: Contact: Art Worden, RN. 912-355-1440 Location: Recovery Place, 835 E. 65th Street. OR
Contact Debbie Brickner, Coordinator Undergraduate Medical Education for schedule information, 912-350-8076.

DESCRIPTION:

The course on Substance Abuse and Substance Abuse Treatment is taught at MCCG in Macon and at The Recovery Place, Inc., in Savannah.

The course lasts for 2 weeks. The goal of this course is to make students aware of the presence and complexity of the disease of substance abuse/dependence. The students will be instructed in the intake process, the process of out-patient detoxification, and the medical implications of the different drugs of abuse. The students will be expected to take part in our patient education process and also to participate in the therapy groups which are led by Substance Abuse Professionals. The students will be given the opportunity to speak individually with the medical director in Savannah, Dr. Frank Johnston who has many years of experience in substance treatment and Psychiatry.

OBJECTIVES:

It is our expectation that the student, no matter what specialty they plan on, will be provided an awareness of the alarming presence of drug dependence and the need for specialized care for these individuals.

EVALUATION:

Evaluation will be based on the student's performance

DEPARTMENT OF RADIOLOGY

**MEDICAL CENTER OF CENTRAL GEORGIA
777 HEMLOCK STREET
MACON, GEORGIA 31208
478-633-1235**

**MEMORIAL HEALTH UNIVERSITY
MEDICAL CENTER
P.O. BOX 23089
SAVANNAH, GEORGIA 31403
912-350-7394**

Course Number	Course Name
RAD.M01	Radiology Review
RAD.S02	Diagnostic Radiology

RADIOLOGY REVIEW

RAD.M01

DURATION:	2 weeks
ENROLLMENT:	Maximum 2 student
VISITING STUDENTS:	No
PCR MAJORITY:	No

PREREQUISITE: Successful completion of third year clerkships

RAD.M01 W.A. Bootle, Jr., M.D., Professor of radiology
Mercer University School of Medicine, 1550 College Street, Macon,
GA 31207 Contact: 478-301-2304 E-mail: bootle_wg@mercer.edu

Not available on the Savannah Campus

DESCRIPTION:

This elective contributes directly to the education of the primary care physician regarding recognition, management, and appropriateness of radiological problems as it applies to a primary care practice.

This course is meant to reinforce basic principles learned in the junior year. It will provide an awareness of the role of the radiologists to the medical community. Student will improve knowledge of and indications for various radiology procedures including cost effectiveness and radiation safety. Student will learn which procedures are best suited for various clinical problems. There is required reading and the student is encouraged to go through the radiology teaching file at the medical school. Course is set up as an independent learning course with interaction with a radiologist on a one-on-one or a two-on-one basis.

Recommended Text books include:

Juh Land Crunny - Essentials of Radiologic Imaging
Brantand Helms – Digestive Imaging
Fleson’s Principles of Chest Roentgenology
Cost Effective Diagnostic Imaging

STRUCTURE:

- A daily presentation will be made by the radiologists. Monday – Friday 10 a.m. -11:30 a.m. Topics will include chest, abdomen, GI GU, Bones, Pediatrics, MR, CT, Nuculear Medicine, Ultrasound, and Mammography.
- Cases will be shown daily from the teaching file.

EVALUATION:

By Radiologist with standard elective evaluation form

DIAGNOSTIC RADIOLOGY

RAD.S02

DURATION:	4 Weeks
ENROLLMENT:	Maximum 1 Student
VISITING STUDENTS:	Yes
PCR MAJORITY:	No

PREREQUISITE: Successful completion of third year clerkships.

Not available on the Macon Campus

RAD.S02: Charles W. Brown, M.D. MHUMC, Radiology Dept., Savannah, GA.
Report at 8:30 a.m. the first day of rotation to Miriam Larisey, 912-350-7394

DESCRIPTION: During the senior elective in Diagnostic Radiology, the student will spend the first 2 weeks studying plain radiology by reviewing films on all boxes daily with the staff radiologists. This is done from 8:00 a.m. to 5:00 p.m. He/she is expected to participate in all conferences (except for physics), primarily as an observer, but this is altered based on individual ability. The third week will be spent on cross-sectional imaging, three days on CT and two days on ultrasound. The fourth week may be spent on MR, Angio-Interventional, Nuclear Medicine, ultrasound, or CT.

Required reading includes Basic Radiology, Felson's Chest and Cost-Effective Diagnostic Imaging: The Clinician's Guide, which we will loan to the student during their rotation. Please return any materials loaned to you prior to your departure. Adequate time is allotted for review of teaching case files.

The student is also required to do independent study and present a 30-minute lecture to the radiology department at the conclusion of the rotation. Students are encouraged to make their presentation on a topic of interest to them based on personal areas of interest.

OBJECTIVES: To learn available options in radiologic evaluation of clinical problems and see the functions of the radiologist in this diagnostic process (In such a short time only an introduction to basic radiology can be expected.)

EVALUATION:

By preceptor, standard elective evaluation form.

DEPARTMENT OF SURGERY

**MEDICAL CENTER OF CENTRAL GEORGIA
777 HEMLOCK STREET
MACON, GEORGIA 31208
478-633-7101**

**MEMORIAL HEALTH UNIVERSITY
MEDICAL CENTER
P.O. BOX 23089
SAVANNAH, GEORGIA 31403
912-350-5900**

Course Number	Course Name
SUR.M01 SUR.S01	Advanced General Surgery
SUR.M02 SUR.S02	Trauma Surgery
SUR.M03	Surgical Oncology
SUR.M04 SUR.S04	Cardiac Surgery
SUR.M05 SUR.S05	Colorectal Surgery
SUR.M06 SUR.S06	Neurosurgery
SUR.S07	Ophthalmology
SUR.M08 SUR.S08	Orthopaedic Surgery
SUR.M09 SUR.S09	Urology
SUR.M10 SUR.S10	Otolaryngology
SUR.S11	Pediatric Surgery
SUR.M12 SUR.S12	Plastic Surgery
SUR.M13	Hand Surgery
SUR.M14 SUR.S14	Private Practice of General Surgery

SUR.M15	Orthopaedic/Musculoskeletal Research
SUR.M16	Surgical Research
SUR.S18	Breast Surgery
SUR.S19	Minimally Invasive Surgery/MIS
SUR.S.20	Surgical Oncology/Gastrointestinal Surgery
SUR.S21	Clinical Research in Cancer Surgery

ADVANCED GENERAL SURGERY

SUR.M01, SUR.S01

DURATION:	2 -4 Weeks
ENROLLMENT:	Maximum 2 students
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE:	Successful completion of third year clerkship
SUR.M01:	General Surgery Faculty, Contact Surgery Education Office, MCCG, Macon, GA., one week prior to the start of the clerkship. Tammi Ford 478-633-7101
SUR.S01	General Surgery Faculty, report at 8:00 a.m. on the first day of the rotation to the Surgical Education Office. Contact– 912-350-5900

DESCRIPTION:

The student is assigned to a member of the Surgery Faculty who serves as preceptor. The goal is to provide a well-rounded experience in surgery, which includes General, Cardiac, and Thoracic. Each student will be assigned to a surgical teaching service and will work with the residents on that service under the supervision of the attending surgeon and faculty. The student will be allowed in-hospital call every third or fourth night and given the opportunity for evaluation of emergency surgical consultations early in the patients hospital stay in order to prepare the student for internship. In Savannah, student will be assigned to a specific faculty member.

OBJECTIVES:

- To provide a well-rounded experience in surgery.
- To improve acumen in history taking, physical examination, and diagnostic modalities as applied to surgery.
- To scrub on surgical cases so as to improve skill, knowledge, and technique or surgical procedures.
- To learn what gross pathology is presented at surgery.
- To learn to evaluate preoperatively the status of the patient as regards his ability to withstand the contemplated procedure and anesthetic.
- To assist in postoperative care such as dressings, drains, gastrointestinal tubes, venous access lines, etc.
- To learn proper treatment and evaluate the results and follow-up care of surgical patients.
- To better prepare for a surgical internship.

EVALUATION:

The Surgery Faculty, on the basis of performance, skill, knowledge, and attitude will evaluate the student. The degree of responsibility will be determined by student progress during the clerkship.

SENIOR STUDENT TRAUMA ROTATION

SUR.M02, SUR.S02

DURATION:	2 - 4 Weeks
ENROLLMENT:	Maximum 1 Student
VISITING STUDENTS:	Yes (must be approved by Chief of Trauma Services)
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkships.

SUR.M02: Dennis Ashley, M.D. Contact – one week prior to the start of the rotation, 478-633-1584

SUR.S02: M. Gage Ochsner, M.D. Report 7:30 a.m. on the first day of the rotation to the Chief Resident of Trauma Services Contact 912-350-5900

DESCRIPTION:

The student will be assigned to the Chief of the Trauma Service and be responsible to him/her. The experience will include trauma call, trauma surgery, patient care in the trauma intensive care unit, and patient care in the outpatient clinics. Lectures on trauma care and trauma system development will be included. An introduction to the principles and practices of pre-hospital care, to include experience on both helicopter and ground EMS services, is included.

OBJECTIVES:

- To give the student an understanding of the principles and practice of care of the multiple injured patient
- To participate in operations in order to improve skill, knowledge, and technique of surgical procedures
- The student should gain an understanding of the importance of the trauma care system development in pre-hospital care of the trauma patient.

EVALUATION:

Evaluation will be by direct observation by the preceptor and also by standardized written tests at the end of the rotation.

SURGICAL ONCOLOGY

SUR.M03

DURATION: 2 -4 Weeks
ENROLLMENT: Maximum 1 student
VISITING STUDENTS: No
PCR MAJORITY: Yes

PREREQUISITE: Successful completion of third year clerkship

SUR.M03 A. Conforte, M.D. MCCG, Macon, GA. Contact – 478-745-3363

Not available through the Savannah Campus

DESCRIPTION:

The student will make daily rounds, see consultations, scrub on all surgical procedures, and have follow-up experience with ambulatory office patient care. Preceptor will give assigned readings.

OBJECTIVES:

- To provide an exposure to surgical oncology through office and operating room exposure.

EVALUATION:

The preceptor, on the basis of performance, skill, knowledge, and attitude will evaluate the student. The degree of responsibility will be determined by student progress during the clerkship.

CARDIAC SURGERY**SUR.M04, SUR.S04**

DURATION:	2 -4 Weeks
ENROLLMENT:	Maximum 1 students
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkship

SUR.M04: Joe H. Johnson, M.D., Randall B. Brown, M.D. MCCG, Macon, GA. Contact – Tammi Ford, 478-633-7101

SUR.S04 Robert E. Jones, M.D., Report to Heart and Lung Surgery Group suite 403 Provident Building, Savannah, GA 912-692-1130.
Contact Debbie Brickner, Coordinator for Undergraduate Medical Education 912-350-8076

DESCRIPTION:

The student is assigned to a cardiac surgery team at the Medical Center of Central Georgia and/or at other area hospitals where the preceptor's patients are cared for. A goal is to provide a comprehensive experience in cardiac surgery. This would include preoperative evaluation, angiographic diagnosis, etc.

OBJECTIVES:

- To provide a well-rounded experience to the surgical care of cardiac disease.
- To improve the acumen in history taking, physical exam, and diagnostic modalities as applied to patients with cardiac diseases, which are amenable to surgery.
- To participate in operations in order to improve skill, knowledge, and technique of surgical procedures.
- To understand the clinical correlation of gross pathology in cardiac disease.
- To learn to evaluate the preoperative status of the patient as regards to their ability to undergo the planned procedure and anesthesia.
- To assist in postoperative care.
- To learn proper treatment, evaluation, and result of long-term follow-up of patients with cardiac disease, with an emphasis on rehabilitation.

EVALUATION:

The preceptor, on the basis of performance, skill, knowledge, and attitude will evaluate the student. The degree of responsibility will be determined by student progress during the clerkship.

COLORECTAL SURGERY

SUR.M05, SUR.S05

DURATION:	2 -4 Weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkship

SUR.M05: Douglas Brewer, M.D., MCCG, Macon, GA. Contact – pager # 478-749-2678 or Tammi Ford 478-633-7101

SUR.S05: S. Alan Lord, M.D., Patrick Hammen, M.D. Savannah Colon and Rectal Surgery, Ste 103, Provident Bldg., Savannah, GA. Contact – DeDe Herold, 912-350-8621.

DESCRIPTION:

The goal is to provide a comprehensive experience in colo-rectal surgery which includes diagnosis of anal/rectal disease, inflammatory diseases of the colon and their extra colonic manifestations, endoscopy of the lower G.I. tract, as well as treatment of common injuries.

OBJECTIVES:

- To provide a well-rounded experience to the surgical care of colo-rectal disease.
- To improve the acumen in history taking, physical exam, and diagnostic modalities as applied to colo-rectal surgery.
- To participate in operations in order to improve skill, knowledge, and technique of surgical procedures.
- To understand the clinical correlation of gross pathology in colon and rectal disease.
- To learn to evaluate the preoperative status of the patient as regards to their ability to undergo the planned procedure and anesthesia as well as adaptation following surgery.
- To assist in post-operative care
- To learn proper treatment, evaluation, and result of long term follow-up of patients, particularly long-term evaluation of patients with colon and rectal diseases, both inflammatory and malignant.

EVALUATION:

The preceptor, on the basis of performance, skill, knowledge, and attitude will evaluate the student. The degree of responsibility will be determined by student progress during the clerkship.

NEUROSURGERY**SUR.M06, SUR.S06**

DURATION:	2 -4 Weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkship

SUR.M06: J. S. Robinson, M.D., Chris Troup, M.D. and other associates.
MCCG, Macon, GA. Contact – 478-743-7092

SUR.S06: J. Underwood Howington, M.D., 4 Jackson Blvd, Savannah,
GA. Contact Dorothy Sims, 912-355-1010

DESCRIPTION:

The student is assigned to a member of the Neurosurgery Faculty who will serve as preceptor. The student is assigned responsibility for selected patients for neurological work-up and for daily evaluation and progress notes. He/she is expected to attend daily conferences. Subjects will be assigned for teaching sessions with a member of the Neurosurgery Faculty. He/she is expected to scrub and observe neurological surgical procedures.

OBJECTIVES:

- To allow the student to familiarize himself/herself with the more common neurological and neurosurgical disorders.
- To gain confidence and competence in performing an adequate neurological examination.
- To become familiar with the various neurosurgical investigative methods, indications, and limitations of each.
- To learn proper treatment, evaluation, and diagnosis of nervous system trauma, neoplasm, vascular disease, hydrocephalus, and congenital disorders.

EVALUATION:

The preceptor, on the basis of performance, skill, knowledge, and attitude will evaluate the student. The degree of responsibility will be determined by student progress during the clerkship.

OPHTHALMOLOGY

SUR.S07

DURATION:	2 Weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkship

Not available in Macon

SUR.S07: Georgia Eye Institute Physicians, Savannah, GA. Report to Gwen Rush, first floor GA Eye Bldg, @ 9 a.m. Contact – 912-350-4818. **Not available in December**

DESCRIPTION:

The student is assigned to a member of the Ophthalmology Faculty who will serve as preceptor. The student will be exposed to both hospital and office practice of ophthalmology.

OBJECTIVES:

- To train the student in ophthalmoscopic and other basic examinations useful in the practice of ophthalmology
- To learn to make the diagnosis of disease, trauma, and other conditions of the eye and related structures.
- To learn the relationship of diseases of the eye and other disease or organs of the body.
- To learn the proper treatment of conditions of the eye.
- To learn the anatomy, physiology, and function of the eye and the use of eyeglasses, contact lenses, etc.
- To scrub on surgical cases so as to improve knowledge, skill, and technique of surgical procedures under the direction of the preceptor.
- To assist in postoperative care such as dressings, etc., under the supervision of the preceptor.
- To follow assigned patients throughout their hospitalization and make rounds with the preceptor.

EVALUATION:

The preceptor, on the basis of performance, skill, knowledge, and attitude will evaluate the student. The degree of responsibility will be determined by student progress during the clerkship.

ORTHOPAEDIC SURGERY

SUR.M08, SUR.S08

DURATION:	2 -4 Weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkship

SUR.M08: Timothy R. Stapleton, M.D. MCCG, Macon, GA. Contact – 478-743-3000

SUR.S08: Samuel Murray, M.D. Contact – Linda Goethe 912-355-6615.

DESCRIPTION:

The student is assigned to a member of the Orthopaedic Faculty who will serve as preceptor. The student will be exposed to hospital, clinic, and office practice. The student will attend the orthopaedic conferences and will be assigned didactic subjects, and these will be discussed daily with members of the orthopaedic faculty.

OBJECTIVES:

- To learn the indications and methods of evaluation of orthopaedic conditions.
- To learn the problems of acute and chronic musculo-skeletal disease and congenital anomalies, their diagnosis and treatment.
- To learn the diagnosis and proper management of acute and chronic trauma of an orthopaedic nature including fractures, dislocations, and sprains.
- To learn the proper interpretation of x-rays and other diagnostic procedures.
- To learn disability evaluation in regard to orthopaedic conditions.
- To scrub on surgical cases so as to improve skill, knowledge, and technique of surgical procedures under the direction of the preceptor.
- To assist in post-operative care such as dressings, casts, splints, braces, etc., under supervision of preceptor.
- To follow assigned patients throughout their hospitalization and to make rounds with the preceptor.

EVALUATION:

The preceptor, on the basis of performance, skill, knowledge, and attitude will evaluate the student. The degree of responsibility will be determined by student progress during the clerkship.

UROLOGY
SUR.M09, SUR.S09

DURATION: 2 -4 Weeks
ENROLLMENT: Maximum 1 student
VISITING STUDENTS: No
PCR MAJORITY: Yes

PREREQUISITE: Successful completion of third year clerkship

SUR.M09 Kenneth Son, M.D. MCCG, Macon, GA. Contact – 478-755-0354

SUR.S09 Ryan Malone, M.D., Contact Debbie Brickner 912-350-8076

DESCRIPTION:

The student is assigned to a member of the Urology Faculty who will act as preceptor. The student will be exposed to office as well as hospital practice. The student will gain experience with diagnostic x-rays, cystoscopic examinations, and the LITHOTRIPTER, along with didactic conferences. Elective surgery as well as trauma and emergency cases will be seen in the surgery suite.

OBJECTIVES:

- To learn the diseases and problems seen in a urology practice.
- To learn those genito-urinary problems commonly seen in any practice of medicine.
- To learn how urology problems are related to other diseases and parts of the body.
- To learn how to perform a urological work-up on a patient.
- To review the clinical record and all pre-operative data on the patient and decide the proper procedures to be done.
- To work in the cystoscopic room and scrub on surgical procedures.
- To follow assigned patients throughout their hospitalization and make rounds with the urologist.
- To learn the modus operandi of a urological consultation.
- To attend the radiological conference each day and review all programs and special procedures with the urologist.
- To learn the proper evaluation, diagnosis, and treatment of urology trauma.

EVALUATION:

The preceptor, on the basis of performance, skill, knowledge, and attitude will evaluate the student. The degree of responsibility will be determined by student progress during the clerkship.

OTORHYNOLARYNGOLOGY and HEAD AND NECK SURGERY

SUR.M10, SUR.S10

DURATION:	2 -4 Weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE:	Successful completion of third year clerkship
SUR.M10:	ENT Center, Macon, GA. Contact Surgical Education Office at least one week prior to the start of the rotation. Contact – 478-743-8953
SUR.S10:	Michael Poole, M.D. Call the Friday before the rotation begins. Report to the Georgia Ear Institute. Contact - Diana, 912-350-5092; Michael Zoller, M.D., ENT Associates, 5201Frederick Street, Savannah, 912-351-3030.

DESCRIPTION:

The student is assigned to a member of the Otorhynolaryngology Faculty who serves as preceptor. The student will have the opportunity to get a broad sampling of the specialty of Ear, Nose, and Throat, as well as Head and Neck Surgery. The student will be exposed to an office practice daily with emphasis on adequate performance of an ENT examination, especially the use of fiberoptic evaluation of the larynx (indirect laryngoscopy). There will also be allergy testing as well as audiological evaluation and disposition of hearing loss and balance problems and exposure to surgical ENT procedures.

OBJECTIVES:

- To be exposed to practice of Oto-Laryngology and head and neck surgery in children and adults.
- To learn how to properly conduct an ENT examination to include the use of diagnostic and treatment instruments.
- To learn to do a fiberoptic laryngoscopy.
- To learn the value and procedure of performing allergy testing and hyposensitization.
- To learn the value and procedure of audiological examination and the proper disposition of hearing loss and balance problems.
- To have surgical exposure and insight into ENT problems
- To know the indications and to participate in the performance of plastic surgery of the nose as well as cosmetic surgery.
- To learn how to properly diagnose and treat ENT and head and neck problems.

EVALUATION:

The preceptor, on the basis of performance, skill, knowledge, and attitude will evaluate the student. The degree of responsibility will be determined by student progress during the clerkship.

PEDIATRIC SURGERY

SUR.S11

DURATION: 2 -4 Weeks
ENROLLMENT: Macon: 1 student, Savannah: 2 students
VISITING STUDENTS: No
PCR MAJORITY: Yes

PREREQUISITE: Successful completion of third year clerkship

Not offered on the Macon Campus

SUR.S11: William Boswell, M.D., David Carney, M.D., Contact - Barbara Paul 912-350-7914 or 912-350-7707 for scheduling information.

DESCRIPTION:

Attend regular student activities of the Department of Surgery. Make twice daily ward rounds with Pediatric Surgery residents. See pre- and post-operative patients in the pediatric surgery office. Perform supervised in-patient pediatric surgery consultations. Participate in the operative care of patients. There will be required reading from selected texts.

OBJECTIVES:

- To provide a intense experience with both the common and rare surgical problems of children, which will be of benefit for students interested in a surgical, pediatric, or family medicine career.

EVALUATION:

The preceptor, on the basis of performance, skill, knowledge, and attitude will evaluate the student. The degree of responsibility will be determined by student progress during the clerkship.

PLASTIC SURGERY**SUR.M12, SUR.S12**

DURATION:	2-4 weeks
ENROLLMENT:	Maximum 1 student/preceptor
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE:	Successful completion of third year clerkship
SUR.M12	Roy Powell, M.D., Ronald Freeman, M.D. Contact Surgery Education Office, MCCG, Macon, GA., one week prior to the start of the clerkship. Contact – 478-477-6425
SUR.S12	John Paletta, M.D. Contact – Patty 912-355-8000 or Debbie Brickner, Coordinator, Undergraduate Medical Education 912-350-8076

DESCRIPTION:

The student is assigned to a plastic surgery team. The goal is to provide a comprehensive experience in plastic surgery. This would include preoperative evaluation, radiographic diagnosis, etc.

OBJECTIVES:

- To provide a well-rounded exposure to the specialized care of plastic surgery and the common problems encountered.
- To improve acumen in history taking, physical examination, and diagnostic modalities as applied to surgery.
- To participate in operations to improve skill, knowledge, and technique of surgical procedures.
- To learn to evaluate preoperatively the status of the patient as regards his ability to withstand the contemplated procedure and anesthetic.
- To assist in postoperative care.

EVALUATION:

The Surgery Faculty, on the basis of performance, skill, knowledge, and attitude will evaluate the student. The degree of responsibility will be determined by student progress during the clerkship.

HAND SURGERY

SUR.M13

DURATION:	4 weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkship

SUR.M13 Waldo Floyd, III, M.D., John Sapp, M.D., Guy Foulkes, M.D.
Contact Surgery Education Office, MCCG, Macon, GA., one
week prior to the start of the clerkship. Contact –478-745-4206

Not available in Savannah

DESCRIPTION:

The student is assigned to a hand surgery team. The goal is to provide a comprehensive experience in hand surgery. This would include preoperative evaluation, radiographic diagnosis, etc.

The student will become familiar with the operative approach to hand problems. The degree of responsibility assumed by the student will be determined by progress made during the clerkship.

OBJECTIVES:

- To provide a well-rounded exposure to the specialized care of hand surgery and the common problems encountered..
- To improve acumen in history taking, physical examination, and diagnostic modalities as applied to surgery.
- To participate in surgical cases so as to improve skill, knowledge, and technique or surgical procedures.
- To learn to evaluate preoperatively the status of the patient as regards his ability to withstand the contemplated procedure and anesthetic.

EVALUATION:

The Surgery Faculty, on the basis of performance, skill, knowledge, and attitude will evaluate the student. The degree of responsibility will be determined by student progress during the clerkship.

**PRIVATE PRACTICE OF GENERAL SURGERY
SUR.M14, SUR.S14**

DURATION: 2 -4 Weeks
ENROLLMENT: Maximum 2 students/site
VISITING STUDENTS: No
PCR MAJORITY: Yes

PREREQUISITE: Successful completion of fourth year surgical requirements.

SUR.M14 Qualified General Surgery Practices in Georgia. Contact Surgery Education Office, MCCG, Macon, GA., one week prior to the start of the clerkship. Contact - 478-746-2770

SUR.S14 Contact Debbie Brickner, Coordinator, Undergraduate Medical Education, 912-350-8076

DESCRIPTION:

The student is assigned to a member of a private general surgical group practice in Georgia. The goal is to provide a well-rounded experience in private practice/office basis of general surgery. Each student will work in a clinical environment with group physicians who will serve as preceptors.

OBJECTIVES:

- To provide a well-rounded experience in surgery.
- To improve acumen in history taking, physical examination, and diagnostic modalities as applied to surgery.
- To scrub on surgical cases so as to improve skill, knowledge, and technique or surgical procedures.
- To learn what gross pathology is presented at surgery.
- To learn to evaluate preoperatively the status of the patient to withstand the contemplated procedure and anesthetic.
- To assist in postoperative care
- To learn proper treatment and evaluate the results and follow-up care of surgical patients.

EVALUATION:

The Surgery Faculty, on the basis of performance, skill, knowledge, and attitude will evaluate the student. The degree of responsibility will be determined by student progress during the clerkship.

ORTHOPAEDIC MUSCULOSKELTAL RESEARCH

SUR.M15

DURATION:	2-4 weeks
ENROLLMENT:	Maximum 2 students
VISITING STUDENTS:	Yes
PCR MAJORITY:	No

PREREQUISITE: Completion of 3rd year Surgery Clerkship

SUR.M15: Guy D. Foulkes, M.D. Contact Surgery Education Office, MCCG, Macon, GA., one week prior to the start of the clerkship. Contact - 478-745-4026

Not available in Savannah

DESCRIPTION:

This course is designed to provide the student with an independent research experience. The student will be actively involved in the research project design, execution, and statistical analysis. The goal will be to produce a manuscript suitable for publication in the orthopaedic, hand, literature. The research project would ideally fit into the broad categories of orthopaedic or hand surgery and can include clinical or basic science topics. Research design can be prospective or retrospective based on the time available by the student. Student should be prepared to spend time outside the parameters of the course to revise their manuscript in preparation for publication. The preceptor will be available at all steps of the process for both guidance and assistance.

OBJECTIVES:

- To provide a solid experience in research for the future specialist or primary care physician.
- To enhance the student's appreciation for the direct application of the scientific method.
- To develop an area of expertise
- To provide experience in writing, preparation, and publication of a manuscript.
- Student is expected to present the results of their research at a local, regional, or national forum under the sponsorship of the Department of Surgery.

EVALUATION:

The student will be evaluated on the basis of performance, skill, knowledge, and attitude.

SURGICAL RESEARCH

SUR.M16

DURATION:	4 weeks
ENROLLMENT:	Maximum 1 students
VISITING STUDENTS:	No
PCR MAJORITY:	No

PREREQUISITE: Successful completion of third year clerkship

SUR.M16: Dr. Wang, Bruce Innes, M.D. Contact Surgery Education Office, MCCG, Macon, GA., one week prior to the start of the clerkship. Contact – Tammi Ford, 478-633-7101

Not available in Savannah

DESCRIPTION:

The course in surgical research is designed to provide an independent research experience for students in the Department of Surgery. The goal is to provide a comprehensive experience in the development of research project design, execution, and reporting. The student will be afforded the opportunity to work with a senior investigator in the Department of Surgery or possibly in collaboration with a co-investigator in the Division of Basic Sciences. The types of surgical research activities, which will be available within the department, will include :

1. Detailed literature research techniques regarding surgical problems. A thorough grounding in the evaluation of the statistical data used in the surgical literature and an approach to the development of publications centering on literature review and analysis. Specific emphasis in this regard will be given to the area of clinical decision making, the construction of decision trees, the assignment of utility of outcome of surgical procedures and the computerized approach to case teaching surgical problems.
2. The area of prospective clinical research that is on-going in the department at the time with particular emphasis on nutritional studies and oncologic patient management.
3. Additionally, students may be afforded the opportunity of animal laboratory research based on specific surgical problem objectives, particularly in the area of oncology research using animals to dissect out the problem of species variability and response to chemical carcinogenesis.

OBJECTIVES:

- To provide a well-rounded base for the appreciation of research within a clinical specialty
- To improve the student's ability to use the scientific model with regard to development of hypotheses, review of the literature, construction of problems, execution of research, collection of data, statistical analysis, conclusion, and publication.
- To develop an in-depth knowledge of the particular area of currently active surgical research as identified in the active surgical literature
- To understand the importance of the research approach to practicing medicine and its implication for future development of physician education.

SURGICAL RESEARCH (*Objectives continued*)

- It is anticipated that students who select this elective early in the year may have an opportunity to attend and present the results of their research at a national meeting under the sponsorship of the Department of Surgery.

EVALUATION:

The Surgery Faculty, on the basis of performance, skill, knowledge, and attitude will evaluate the student.

BREAST SURGERY

SUR.S18

DURATION:	2 -4 Weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	Yes
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion of third year clerkships

Not available in Macon

SUR.S18

Ray Rudolph, MD and Virginia Herrmann, M.D. The Center For Breast Care, suite 405, CAM Bldg., MHUMC. Report to Dr. Rudolph at the Center for Breast Care, Contact Marcia Weir at 912-350-2700

DESCRIPTION:

This course involves a combination of clinical hands-on and didactic experience under the direct tutelage of Dr. Rudolph and Dr. Herrmann, the preceptors. The student will be involved in clinical exposure relating to breast disease with history taking, cancer risk assessment, breast and lymph node exams, review and evaluation of imaging studies (mammography, and ultrasonography), assessment of the patient's total disease presentation, and planning for treatment. The student will see patients in the private office setting, in clinic, and in the OR.

OBJECTIVES:

- Course will have specified learning objectives concerning knowledge, skills, and student responsibilities.
- Knowledge will be gained by one-on-one interface with Dr. Rudolph and Dr. Herrmann on a daily basis with constant teaching, explanations, questioning, and advice. The student will be expected to familiarize him/herself with the standard texts and literature related to breast disease and attendance at the multi-specialty Breast tumor Board every other week.
- Skills training will be offered in breast evaluation, history taking, cancer risk assessment, breast and nodal exam, imaging interpretation and evaluation, tissue sampling with core needle and open biopsy technique, with and without ultrasound guidance, mastectomy ranging from lumpectomy to modified radical mastectomy, sentinel node sampling, and vascular access port placement.
- Responsibilities will include rounding on inpatients, examining and evaluating office and clinic patients, documenting work done, and having chart notes co-signed by the attending physician.

BREAST SURGERY (Cont'd)
SUR.S18

EVALUATION:

Course will have evaluation criteria concerning knowledge, skills, attitude, attendance, professionalism, etc.

- Methods of evaluation for the course:
 - Subjective conversations and questioning on a daily basis with the preceptor, other surgical attendings, and surgical residents. The student will be in the preceptor's presence for the majority of each work day.
 - Papers and/or presentations will be expected by the student. The student will present cases encountered in the preceptorship with adequate data researched and prepared to give a presentation on a breast related topic at one Thursday Resident teaching conference.
 - Examination will be on going with evaluation of daily interactions with the student and the preceptor, with direct feed-back between Dr. Rudolph, Dr. Herrmann and the student. If deemed necessary by Dr. Rudolph, a final oral examination will be given at the end of the preceptorship.

MINIMALLY INVASIVE SURGERY AND BARIATRIC SURGERY

SUR.S19

DURATION:	2 -4 Weeks
ENROLLMENT:	Maximum 1 student
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion third year clerkships.

Not available in Macon

SUR.S19 Oliver Whipple, M.D., John D. Angstadt, M.D.
Savannah Colon and Rectal Surgery Suite 103
Provident Building, Savannah, GA
Contact – DeDe Herold, 912-350-8621 or
Contact – Debbie Brickner, Coordinator, Undergraduate Medical
Education 912-350-8076

DESCRIPTION:

The student will be exposed to all aspects of the multidisciplinary care of bariatric patients. This will include preoperative evaluation, operative management, surgical options, inpatient postoperative care, and outpatient follow up. In addition to bariatrics the student will be exposed to all aspects of minimally invasive gastrointestinal surgery and hernia surgery.

OBJECTIVES:

- To expose the student to the care and management of the morbidly obese. This elective will also expose the student to the key principles of minimally invasive surgery.

EVALUATION:

The preceptor will evaluate patients experience on the clinical service, patient interaction, intraoperative exposure, and fund of knowledge.

SURGICAL ONCOLOGY/GASTROINTESTINAL SURGERY

SUR.S20

DURATION:	2 -4 Weeks
ENROLLMENT:	Maximum 2 students
VISITING STUDENTS:	No
PCR MAJORITY:	Yes

PREREQUISITE: Successful completion third year clerkships.

Not available in Macon

SUR.S20

Steven T. Brower, MD, FACS, MHUMC, Savannah
Contact 912-350-5900 or Contact – Debbie Brickner,
Coordinator, Undergraduate Medical Education 912-350-8076

DESCRIPTION:

The student will be exposed to all aspects of the multidisciplinary treatment of cancer surgery including an introduction radiation oncology and adjuvant treatments after surgery. Although a significant exposure for benign and malignant GI disorders will be included, all aspects of surgical oncology including colorectal, hepatobiliary, melanoma, sarcoma, endocrine, and other sites will be covered. Aspects of newer technology of surgical treatment including advanced minimally invasive surgical techniques will be demonstrated.

OBJECTIVES:

- To provide clinical experiences on a busy cancer surgery service with specific reference to multidisciplinary treatment of cancer patients including radiation oncology and chemotherapy.

EVALUATION:

The preceptor will evaluate patients experience on the clinical service, patient interaction, intraoperative exposure, and fund of knowledge.

CLINICAL RESEARCH IN CANCER SURGERY

SUR.S21

DURATION:	4 weeks
ENROLLMENT:	Maximum 2 students
VISITING STUDENTS:	No
PCR MAJORITY:	No

PREREQUISITE: Successful completion third year clerkships.

Not available in Macon

SUR.S21 Steven T. Brower, MD, FACS, MHUMC, Savannah
Contact – secretary, 912-350-5900 or Contact – Debbie
Brickner, Coordinator, Undergraduate Medical Education 912-
350-8076

DESCRIPTION:

This elective will provide the student a concentrated effort in the analysis of surgical oncology databases within the Department of Surgery of the Savannah campus of Mercer University School of Medicine. The student will be exposed to methods in clinical cancer research including the establishment and manipulation of relational databases, biostatistics and abstract preparation for clinical peer review journals

OBJECTIVES:

- To allow student database experience with database, statistical analysis, abstract preparation and manuscript preparation utilizing a data set of GI surgical patients.

EVALUATION:

The preceptor will work directly with the student to organize the data sets in GI Surgery and evaluate student's progress in relational databases biostatistics, abstract and scientific paper preparation.

DEPARTMENT OF MEDICAL EDUCATION

MERCER UNIVERSITY SCHOOL OF MEDICINE
1550 COLLEGE STREET
MACON, GA 31201
478-301-2600

Course Number	Course Name
MED.M01	Preparing

**PREPARING
MED.M01**

DURATION: 4 weeks – offered only in January
ENROLLMENT: 2 students
VISITING STUDENTS: Not Accepted
PCR MAJORITY: No

PREREQUISITE *Successful completion third year clerkships.*
MED.M01 Dr Dona Harris, Associate Dean for Faculty Affairs
Dr Robert Hash, Associate Dean of Academic affairs
Tina Thompson, Assistant Dean of Pre-Clinical Medical
Education; BMP Program Director

Not offered at Savannah

DESCRIPTION:

Students will participate in the following activities:

Serve as co-tutor in either the hematology or Renal phase with an experienced Phase tutor, includes requisite tutorial preparation.

Participate in one-on-one sessions with the course faculty on topics such as learning style, providing written and verbal feedback, preparing test items, educational theory, etc.

Participate in curriculum development, curriculum management, and faculty development activities.

OBJECTIVES:

Course Objectives-

To allow senior student to participate in the group learning process from the perspective of the group tutor (facilitator)

To enhance the senior student's understanding of the role of the teacher in adult education

To prepare the senior student for his/her role as teacher of medical students as he/she transitions to house officer status.

Learning Objectives-

Develop group learning facilitation skills

Develop group and individual evaluation skills

Develop formative assessment skills – verbal and written

Develop an understanding of his/her individual learning/teaching styles and how other learning styles interact with his/her own.

Develop and understanding of curriculum structure, curriculum governance, and administrative concerns in the delivery of the curriculum.

EVALUATION:

Pass/fail. The students will receive detailed feedback on his/her strengths, weaknesses, and recommendations on action steps for improvement from the course faculty.

Critical Care/Intensive Care Unit Experience

Internal Medicine

INM.M100

INM.S100

Course Duration: 4 weeks

Enrollment Maximum: 2 students

Prerequisites: Successful completion of third year clerkships

Macon Course Director: Doug Farman, MD/ Bill Terry, MD

Savannah Course Director: James Ramage, MD / Stephen Morris, MD

Macon Campus – Brittney Grant 478-301-5850

Savannah Contact: Genie Faircloth, RN 912-350-4750

Course Goal: To provide fourth year medical students an understanding of the unique aspects of critical care medicine provided in the intensive care unit setting and provide an opportunity for learning about critical care medicine through active participation in patient care in the intensive care unit setting.

General Description: The student will spend 4 weeks participating in the care of patients with the intensive care unit team. Students will evaluate patients, construct detailed care notes, develop comprehensive potential treatment plans, communicate with other members of the interdisciplinary care team, and discuss care plans with attending physicians on a daily basis. Each student will be expected to longitudinally follow assigned patients as well as participate in the care of other patients on the team as requested. Students will be involved with and/or aware of the unique psychosocial and ethical issues that critical illness creates for their patients and their patients' families. Students may participate in procedural training under the direct supervision of the faculty when appropriate.

Faculty will provide teaching through informal bedside discussion, patient care rounds, and more formal sessions. Subjects will include pathophysiology of critical illness, diagnostics, therapeutics, differential diagnosis, acute care topics, ethical issues, nutrition, and other patient management topics germane to critical care medicine.

Objectives:

After this rotation, students will be able to:

1. Outline the indications and criteria for admission to and transfer from an intensive care unit
2. Actively and appropriately participate in the care of critically ill patients in an ICU setting that emphasizes a multidisciplinary team approach to patient care and values the contribution of all those participating in care of the patient.
3. Manage ICU patient airways appropriately and provide adequate respiratory support
4. Recognize and treat life-threatening conditions common in the ICU setting.
5. Provide appropriate fluid and electrolyte therapy for the critically ill ICU patient.

INM ICU Objectives (Cont'd)

6. Provide appropriate nutritional support for the critically ill ICU patient.
7. Recognize and treat hemodynamic instability in the critically ill ICU patient.
8. Recognize the psychological aspects of critical care and critical illness on ICU patients and their families and tailor the care they provide appropriately.
9. Summarize the most common ethical issues involved in critical care medicine including patient autonomy, consent, end of life care, and withdrawal of care.
10. Participate appropriately in patient procedures performed in the intensive care setting under the direct supervision of the teaching faculty.
11. Accurately explain the pathophysiology associated with conditions and problems of patients commonly encountered in the intensive care unit.

Duty hours: 8-4:30, Monday – Friday (subject to change depending on patient load, acuity, and other obligations of the attending and team)

Call: None required – available if requested by student

Expectations: Report on time. Be available for rounds, admissions, procedures throughout the day.

- Write a daily detailed progress note on each assigned patient.
- Present patients to attending and team.
- Attend didactic sessions.
- Complete assigned readings.

Assessments: Pre and post test
Ventilator management test

Appendix A: Critical Care Medicine Procedure List

Students may have the opportunity to perform the following procedures under faculty supervision. Procedure availability will highly dependent on patient load, pathology, and team composition.

Central venous catheter placement
Endotracheal intubations
Arterial blood gas specimen collection
Enteral feeding tube placement
Arterial catheter placement
Mechanical ventilator management
Total parenteral nutrition management
Thoracentesis
Paracentesis

Surgical (STICU) Critical Care/Intensive Care Unit Experience

SUR.M200

SUR.S200

Duration: 4 weeks

Enrollment: Maximum 3 students, Savannah 2 students

Prerequisite: Successful completion of third year clerkships

Macon Course Director: Dennis Ashley, M.D

Savannah Course Director: M.Gage Ochsner, M.D.

Macon Contact: Senesta Corbin @ (478) 633-1199

Savannah Contact – Debbie Brickner, 912-350-8076

Course Goal: To provide fourth year medical students an understanding of the unique aspects of critical care medicine provided in the intensive care unit setting and provide an opportunity for learning about critical care medicine through active participation in patient care in the intensive care unit setting.

General Description: This rotation gives the student exposure to the acutely ill patient in the intensive care unit. The student will have an opportunity to manage one to two patients with the surgical critical care team. The team usually consists of medical students, residents and an attending critical care physician. Students will be exposed to a wide array of critical illness and will have the opportunity to manage respiratory failure with ventilator management, cardiac failure, etc. Students will also have the opportunity to assist with multiple procedures that are commonly performed in the intensive care unit. This is a Monday-Friday daily rotation. Students are expected to present their patients on rounds and then attend daily teaching conferences. There is no night or weekend call for this rotation.

Learning Outcome Objectives

After this rotation, students will be able to:

1. Outline the indications and criteria for admission to and transfer from an intensive care unit
2. Actively and appropriately participate in the care of critically ill patients in an ICU setting that emphasizes a multidisciplinary team approach to patient care and values the contribution of all those participating in care of the patient.
3. Manage ICU patient airways appropriately and provide appropriate respiratory
4. support including mechanical ventilator management
5. Recognize and treat life-threatening conditions common in the ICU setting.
6. Provide appropriate fluid and electrolyte therapy for the critically ill ICU patient.
7. Provide appropriate nutritional support for the critically ill ICU patient.
8. Recognize, understand the basis of, and treat hemodynamic instability in the critically ill ICU patient.

Surgery ICU Learning Objectives (Cont'd)

9. Recognize the psychological aspects of critical care and critical illness on ICU patients and their families and tailor the care they provide appropriately.
10. Summarize the most common ethical issues involved in critical care medicine including patient autonomy, consent, end of life care, and withdrawal of care.
11. Participate appropriately in patient procedures performed in the intensive care setting under the direct supervision of the teaching faculty.
12. Accurately explain the pathophysiology associated with conditions and problems in the ICU patient.
13. Summarize appropriate indications for the use of blood products
14. Diagnose and manage acute renal failure

Duty Hours: 8:00 AM – 5:00 PM Monday through Friday, Savannah is 6:00AM – 6:00PM 6 days a week in compliance with the 80 hr /week rule.

Call: None required – available if requested by student

Expectations: Report on time. Be available for rounds, admissions, procedures throughout the day. Write a daily detailed progress note on each assigned patient. Present patients to attending and team. Attend didactic sessions. Complete assigned readings.

Evaluation: Students will be evaluated on their clinical skills by taking a pre-test and a post-test. The post-test will be used as the final grade. (pass/fail)

References:

- Text Book of Critical Care 4th Edition, Shoemaker, Ayres, Grenvik and Holbrook
- The ICU Book 2nd Edition, Paul L. Marino, M.D.

Appendix A: Critical Care Surgery Procedure List

Students may have the opportunity to perform or assist with the following procedures under faculty supervision. Procedure availability will be highly dependent on patient load, pathology, and team composition.

- Central venous catheter placement
- Endotracheal intubation
- Arterial blood gas specimen collection
- Enteral feeding tube placement
- Arterial catheter placement
- Mechanical ventilator management
- Total parenteral nutrition management
- Thoracentesis
- Paracentesis
- Swan-Ganz Catheter placement and data interpretation
- Foley catheter placement
- Percutaneous Endoscopic Gastrostomy
- Venacava filter placement
- Pericardiocentesis
- Percutaneous Tracheostomy

Pediatric Critical Care/ Intensive Care

PICU.M300

PICU.S300

Duration: 4 weeks

Enrollment: 1 student

Prerequisite: Successful completion of required third year clerkship

Course Director: Macon - Lowell C. Clark, M.D., Steve Williams, M.D., Umesh Narsinghani, M.D. MCCG – Children’s Hospital, Macon, Georgia. Contact – Dr. Lowell Clark 478-633-1633

Savannah - Thomas W. McKee, M.D. and Mary Carol Lytle, MD - PICU, 2nd Floor Main Hospital, Savannah GA. Contact – Melissa Goodman 912-350-7847

Course Goal: This elective is designed to advance the student’s knowledge, experience, and skills in the care of the critically ill child. Emphasis will be placed on pathophysiology and management of common pediatric intensive care problems including acute respiratory failure, sepsis, poisoning, and trauma. Principles of monitoring will be stressed. The student will work directly at bedside with the preceptor and have the opportunity, where appropriate, to gain experience in invasive procedures. The student will make daily rounds and function as an extern. Major topics to be covered include: Fluid and electrolytes, closed head injury, seizures, respiratory distress/arrest, shock (Cardiogenic and non-cardiogenic), renal physiology, and sepsis.

Objectives:

1. To advance the student’s knowledge of the general principles of pediatric intensive care
2. To provide introductory experience in the procedures of intensive care medicine
3. **Macon** - To provide the student with expanded and refined technical skills as applied in the PICU.
4. **Savannah** - To provide the student with an introductory experience in the evaluation and management of Critically ill children.

Evaluation:

Subjective evaluation will be completed on the student by the assigned faculty and residents. Evaluation will cover the student’s participation, clinical ability to formulate and apply treatment plans, enthusiasm, and attendance.

Neonatal Critical Care/ Intensive Care

NICU.M400

NICU.S400

Course Duration: 4 weeks

Enrollment Maximum: 1 student / **Must be Pre-approved**

Prerequisite: Successful completion of third year clerkship

Course Director: Macon - Mitch Rodriguez, M.D., Edward Conner, M.D.,
Atul Khurana, M.D. MCCG – Neonatal Intensive Care Unit, Macon,
Georgia. Contact – Darlene Bowling, 633-6835. *Student must have
pre-approval from Dr. Rodriguez as elective is only offered at
certain times of the year.*

Savannah - Contact – Debbie Brickner, 912-350-8076

DESCRIPTION: This rotation is to advance the student's knowledge, experience, and skills in the care of low birth weight and critically ill newborns that are managed in the Neonatal Intensive Care Nursery at the Medical Center of Central Georgia. The students will perform as externs and share primary care responsibilities with the resident for a selected number of infants with a variety of life-threatening problems. Emphasis will be placed on stabilization of stressed newborns, methods of evaluation and options of treatment. The student is expected to make daily rounds with the attendings and present patients' problems and plan of management. He/she is required to present a seminar on a neonatology topic. The student will have opportunities to participate in all diagnostic and therapeutic procedures (e.g. lumbar puncture, umbilical artery catheterization, etc.).

OBJECTIVES:

1. To increase the student's knowledge base, clinical skills, and decision making capabilities in the care of the critically ill newborn
2. To gain proficiency in common diagnostic and therapeutic procedures
3. To communicate with families in a manner that demonstrates compassion and assures parents comprehension of the child's illness and treatment

EVALUATION:

Subjective evaluation will be completed on the student based upon the student's medical knowledge, communication skills, interest in patients, and presentation of a seminar.

Cardiovascular Intensive Care Unit Critical Care / Intensive Care Unit Experience (CVICU)

INM.M500

Duration: 4 weeks

Enrollment: Maximum 2 students

Prerequisites: Successful completion of third year clerkships

Course Director: James M. Cunningham, MD, FACS, FACCP, FACC

Contact phone : (478) 633-5794 or (478) 633-6071

E-mail: cunningham.james@mccg.org

Course Goal: To provide fourth year medical students a basic understanding of the unique aspects of critical care as applied primarily to the post-operative cardiothoracic and vascular surgery patient population in an intensive care unit setting. Opportunities for learning about the principles of surgical and medical critical care will be provided.

General Description: This 4-week rotation will allow the student(s) to actively participate in the care of critically ill patients in conjunction with other members of the ICU team. Interaction with nurses, pharmacists, respiratory therapists, nutritionists, social workers, and other members of the multidisciplinary team will be encouraged and expected during rounds three times per week. Communication skills will be emphasized.

During the rotation the student(s) will be exposed to a wide variety of pre-op and post-op cardiothoracic patients as well as critically ill patients with non-surgical medical problems. Each student will be expected to assist with the management of one or two patients along with the critical care team. Members of the team will instruct the student(s) in basic ventilator management, hemodynamic monitoring, pre-op and post-op assessment of the cardiothoracic patient, interpretation of x-rays, evaluation of lab results, appropriate use of antibiotics, and the fundamentals of critical care. Depending upon the patient population, the technical aspects of central venous catheter insertion, bronchoscopy, cardioversion, etc will be demonstrated with options for the student(s) to actively participate according to his/her ability. The current and evolving role of the intensivist will be discussed.

Learning Outcome Objectives:

After this rotation, students will be able to:

1. Outline the accepted indications for admission to and transfer from an ICU
2. Comprehend the rationale behind a multidisciplinary approach to the care of critically ill patients
3. Demonstrate active and appropriate participation in the care of critically ill patients in the ICU setting utilizing the multidisciplinary team model
4. Provide appropriate airway management and understand the basics of respiratory support using a mechanical ventilator
5. Recognize and treat life-threatening conditions which are common in the ICU with special emphasis on those conditions encountered in the post-op cardiothoracic surgical patient

CVICU Learning Outcome Objectives: (CONT'D)

6. Provide appropriate fluid, electrolyte, and nutritional support for the critically ill patient
7. Determine the etiology of hemodynamic instability in the ICU patient and provide appropriate treatment
8. Demonstrate an understanding of the pathophysiology associated with the common conditions and problems encountered in the ICU
9. Diagnose and manage acute renal failure
10. Actively participate in the performance of procedures performed in the ICU setting under the direct supervision of the teaching faculty
11. Understand common patient and family psychological issues which may have direct or indirect effects on patient care in the ICU
12. Understand the most common ethical issues involved in critical care medicine including patient autonomy, consent, end-of-life care, and withdrawal of care

Duty Hours: 0800 – 1630 Monday – Friday

Call: None required

Expectations: Report on time and dress appropriately – clean scrubs are acceptable. Be available for rounds, new admissions, and procedures. A detailed, daily progress note on each assigned patient is encouraged but not mandatory if there has been little change in a patient's status overnight. Presentation of assigned patients during multidisciplinary rounds is expected. Attend teaching sessions and complete assigned readings.

Evaluation: The student(s) will be evaluated on his/her clinical skills utilizing a written as well as a practical exam given at the end of the rotation. The final grade is pass/fail.

Appendix A: CVICU Procedure List

Students may have an opportunity to perform or assist with the following procedures under faculty supervision. The patient population mix will determine procedure availability.

- Central venous catheter insertion
- Insertion of pulmonary artery catheter
- Insertion of arterial monitoring catheter – either radial or femoral artery
- Insertion of chest tube
- Thoracentesis
- Orotracheal intubation
- Tracheostomy – percutaneous approach
- Insertion of Foley catheter
- Placement of enteral feeding tube
- Bronchoscopy
- Cardioversion

