Anesthesiology and Perioperative Medicine

Anesthesiology Research
ANES 5002
Course Description: This course is designed to introduce the student to scientific discovery, experimental design, methodology, and data analysis. Our research faculty studies different aspects of sickle cell disease. These areas include the development of gene correction technologies, regulation of hemoglobin expression, cell adhesion, lung injury, and pain research. Our projects are translational in nature, i.e. we use basic science tools and preclinical animal models to study clinically relevant questions.

Assessment: ☒ Faculty/Resident Evaluation ☐ Test/Quiz ☒ Presentation ☐ Other:

Pain Management
ANES 5008
Course Description: This course is designed to help the student recognize commonly seen acute, chronic and cancer pain conditions as well as develop a basic understanding in pharmacological as well as interventional treatment modalities. Students will complete at least 2 complete patient evaluations per day as well as participate in 2 half days per week of procedures. In addition, students will make clinical rounds with a Pain Psychologist and a Clinical Pharmacologist.

Assessment: ☒ Faculty/Resident Evaluation ☐ Test/Quiz ☐ Presentation ☒ Other: (Reading assignment)

Anesthesiology Externship
ANES 5011
Course Description: This course is designed to introduce medical students to the basic principles and practice of Anesthesiology and Perioperative medicine. Students will be assigned to Anesthesiology Faculty and Residents in some locations on a daily basis in the operating room as well as other clinical settings.

Assessment: ☒ Faculty/Resident Evaluation ☐ Test/Quiz ☒ Presentation ☐ Other:

Respiratory Care
ANES 5014
Course Description: This course is designed to help students develop the skills necessary to treat patients with respiratory insufficiency, manage a patient in need of mechanical ventilation or other respiratory therapy modalities as indicated. Students attend class for 3 weeks covering the basic concepts of respiratory pathophysiology concentrating on mechanical ventilation. In addition students have the opportunity to complete BLS and ACLS.

Assessment: ☒ Faculty/Resident Evaluation ☒ Test/Quiz (BLS/ACLS) ☒ Presentation ☐ Other:

Dermatology

Dermatology Externship
DERM 5001
Course Description: Students will see Dermatology patients in the hospital clinic. When available students will participate in Dermatopathology teaching conferences, Morphology Conferences, Grand Rounds, Basic Science teaching conferences, and Journal Club. Supervision will be provided by the dermatology faculty as well as house staff in some locations.

Assessment: ☒ Faculty/Resident Evaluation ☒ Test/Quiz ☒ Presentation ☐ Other:

Emergency Medicine

Emergency Medicine
EMED 5010 – Civilian Students
EMED 5011 – Military Students
Course Description: The rotation consists of approximately 40 hours of patient contact a week plus didactics. Clinical instruction in the initial evaluation and stabilization of the acutely ill and injured patient will be provided by working alongside Emergency Medicine faculty (and residents at some sites) during a variety of shifts including days, evenings and nights, including some weekends. In addition, one day “mini-lectives” are offered in areas including ultrasound, disaster medicine and EMS.

The “Emergency Procedures Course” (EPC), which is part of the curriculum, gives students online PowerPoint and video based education followed by hands-on simulation based training for common life saving procedures (central line, intravenous line, intubation, cricothyrotomy, thoracostomy, bag valve mask etc.).

Assessment: ☒ Faculty/Resident Evaluation ☒ Test/Quiz (Shelf) ☒ Presentation ☐ Other:
**Family Medicine**

**Family Medicine Externship**

*FMPC 5004*

**Course Description:**
Students will function as a member of the Family Medicine inpatient team in order to develop the skills necessary to function as a successful house officer in the inpatient and ambulatory setting of family medicine.

**Assessment:**
- ☒ Faculty/Resident Evaluation
- ☐ Test/Quiz
- ☐ Presentation
- ☐ Other:

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**Medicine**

**Rheumatology Externship**

**Course Description:** Supervised by attending physicians, students will participate in primarily outpatient consultations, participate in teaching conferences, gain experience in pertinent diagnostic procedures, evaluate and follow patients in the faculty practices, and learn pathophysiology, differential diagnosis, clinical manifestations, management, and therapy of rheumatology.

**Assessment:**
- ☒ Faculty/Resident Evaluation
- ☐ Test/Quiz
- ☐ Presentation
- ☐ Other:

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**Hematology/Oncology Externship**

*GMED 5012*

**Course Description:** This elective is designed to provide the basics in clinical hematology and medical oncology. In depth study of blood and marrow morphology is emphasized. An approach to diagnosis and management as well as general principles of cancer chemotherapy will be stressed. The importance of interdisciplinary cancer decision-making (internist, surgeon, radiation therapist) will be emphasized. Two half-day clinics each week are arranged to emphasize the diagnosis and therapy of common hematologic and oncologic disorders.

**Assessment:**
- ☒ Faculty/Resident Evaluation
- ☐ Test/Quiz
- ☐ Presentation
- ☐ Other:

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**Nephrology Consult**

*GMED 5016*

**Course Description:** This elective is designed to enable the student to gain experience in clinical nephrology through participation in inpatient consultations, teaching conferences, and once weekly general nephrology outpatient clinic. Students will be a part of an active consultation service following patients with complex problems in the ICU and on the inpatient wards. They will also learn the skills needed to perform a urinalysis.

**Assessment:**
- ☒ Faculty/Resident Evaluation
- ☐ Test/Quiz
- ☐ Presentation
- ☐ Other:

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**Cardiology Consultation Service**

*GMED 5017*

**Course Description:** The elective is an integrated rotation between the cardiology consult service and the special procedure labs. Student's time will be divided between the consult service and the labs. On the consult service the student will be exposed to various cardiovascular diseases in medical and pre and post-operative surgical in-patients. Each week the student will spend one day in one of the special procedures laboratories (cardiac catheterization lab, ECHO lab, electrophysiology labs and Nuclear/stress testing lab.)

**Assessment:**
- ☒ Faculty/Resident Evaluation
- ☐ Test/Quiz
- ☒ Presentation (GRU)
- ☐ Other:

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**Gastroenterology**

*GMED 5021*

**Course Description:** This course is designed to provide an understanding of clinical aspects of diseases of the digestive system, pancreas and liver, including endoscopy, interpretation of gastrointestinal x-rays, biopsies and laboratory results. The course occurs in a variety of practice settings including hospital consults, outpatient clinics and endoscopy. Supervision is provided by Gastroenterologists as well as house staff in some locations.

**Assessment:**
- ☒ Faculty/Resident Evaluation
- ☐ Test/Quiz
- ☐ Presentation
- ☐ Other:
Infectious Diseases Externship  
**GMED 5025**

**Course Description:** This clinical consultation service provides experience in the diagnosis and management of patients with infections, interpretation of stained specimen cultures and sensitivity data, serology and the appropriate use of antimicrobial and antiviral agents. The elective consists of rounds, clinics and conferences. On call availability is needed.

**Assessment:** ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  
☐ Other:

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**Neurology**

Neurology Consult and Clinics  
**NEUR 5003**

**Course Description:** This elective is designed to provide an introduction into decision making in Neurology. The student will attend Adult Neurology Clinics and participate in the direct evaluation of patients. There is ample opportunity to examine and evaluate patients with a wide range of neurological problems. A close working relationship with the neurology attending faculty will allow maximal learning potential.

**Assessment:** ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  
☐ Other:

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**Obstetrics and Gynecology**

Maternal Fetal Medicine Externship  
**OBGN 5005**

**Course Description:** This is a clinically oriented block of time during which the student will participate in the antepartum, and outpatient care of high risk obstetric patients. Responsibilities are similar to those of a sub-intern working closely with the OB faculty and house-staff when house-staff are present. The student will also present cases at the clinical conferences dealing with high risk pregnancies, and be responsible for any assigned reading material. The student will make an in-depth presentation on topic to be determined at the beginning of the rotation.

**Assessment:** ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  
☒ Other: Presentation

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Reproductive Endocrinology Externship  
**OBGN 5006**

**Course Description:** The student will participate in the Reproductive Endocrinology and Genetics Clinic. Students will be involved in day-to-day management of infertility in cycling patients including ultrasound, intrauterine insemination, in vitro fertilization, and reproductive preserving surgery. The student will see complex endocrine and genetics patients directly under faculty supervision, and will present patients at the weekly clinical conference. There will be also be exposure to the weekly research conference.

**Assessment:** ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  
☐ Other: Presentation

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Gynecologic Oncology Externship  
**OBGN 5007**

**Course Description:** The student will participate in all aspects of gynecologic oncology within a high volume GYN ONC practice. Involvement includes participation in work up, treatment and follow-up with comprehensive care inclusive of associated physical and mental health issues. He/she will also be exposed to a high volume of surgery from routine hysterectomies to complex oncologic procedures like radical hysterectomies, bowel and urologic surgery, as well as minimal access surgery such as Da Vinci robotic surgery. The student will be instructed in the use of specialized instruments in female genital cancer, such as the LASER, LLETZ and the administration of chemotherapy.

**Assessment:** ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  
☐ Other: Presentation

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Benign Gynecology Externship  
**OBGN 5008**

**Course Description:** The student will participate in the expanded management of inpatient and outpatient gynecology patients. The student’s outpatient experience will include exposure to patients with common problems, as well as routine preventative care. The outpatient experience will also include exposure to, ultrasound and colposcopy. The inpatient experience will consist of participation in the operating room, inpatients consults, and following assigned patients. Students will be responsible for their assigned patients.

**Assessment:** ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  
☒ Other: Presentation
**Obstetrics and Gynecology Research**  
*OBGN 5011*

Course Description: This elective is designed to offer the student an opportunity to do research under the supervision of a member of the faculty in the Department of Obstetrics and Gynecology.

Assessment: ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  ☐ Presentation  
☐ Other: Presentation

**Ophthalmology**

**Ophthalmology Externship**  
*OPTH 5001*

Course Description: In order to develop basic understanding of ophthalmology disease processes and treatments, learn basic ophthalmology examination skills, and develop a differential diagnosis, given common presenting eye symptoms, students will observe and participate in a hospital based practice as well as observe ophthalmologic surgery.

Assessment: ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  ☒ Presentation  
☐ Other:

**Pathology**

**Surgical Pathology Externship**  
*PATH 5001*

Course Description: During this course students will participate in routine microscopic sign out with faculty members including biopsies and gross surgical specimens; review cases with pathologists at daily consensus meeting, interdepartmental tumor boards, departmental didactic conferences, and gross specimen and autopsy conferences; participate in the preparation of frozen section for immediate diagnosis during intraoperative consultations; and observe and participate in the performance of postmortem examinations.

Assessment: ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  ☒ Presentation  
☐ Other:

**Clinical Pathology Externship**  
*PATH 5009*

Course Description: During this course students will attend section conferences, observe the bench work of technologists, meet at least weekly with the Section Director, review charts, and meet with clinicians for patients with complex results.

Assessment: ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  ☒ Presentation  
☐ Other:

**Ophthalmology Research**  
*OPTH 5002*

Course Description: In order to develop clinical or basic science research skills and experience in ophthalmology, students will work with a faculty member on a research project of mutual interest. As a part of this course students will outline their research project with literature references and carry it out under supervision. A written report on the project is required at the end of the elective period.

Assessment: ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  ☐ Presentation  
☒ Other: Written Report of Research

**Neuropathology Externship**  
*PATH 5011*

Course Description: During this course students will participate in routine microscopic sign out with faculty members including biopsies and gross surgical neuropathology specimens; learn the importance of frozen section for immediate diagnosis during intraoperative consultations; and participate in the brain cutting, didactic and case conferences, and neuro-oncology tumor board.

Assessment: ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  ☒ Presentation  
☐ Other:

**Clinical Microbiology Externship**  
*PATH 5019*

Course Description: During this course students will attend section conferences, observe the bench work of technologists, participate in daily Microbiology rounds, review charts, and meet with clinicians for patients with complex results.

Assessment: ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  ☒ Presentation  
☐ Other:
Clinical Hematology Externship
PATH 5027
Course Description: During this course students will attend section conferences, observe the bench work of technologists, meet with the section director daily, review charts, and attend section conferences.

Assessment: ☒ Faculty/Resident Evaluation
☐ Test/Quiz ☐ Presentation
☐ Other:

Pediatrics
Pediatric Cardiology Externship
PEDS 5005
Course Description: This rotation is designed to help students become proficient at performing a cardiovascular history and physical exam on pediatric patients. Activities include may daily rounds in the PICU, the floor, and NICU as well as daily clinics. Opportunities arise almost daily for participating in cardiac catheterization, intraoperative transesophageal echo, and postoperative care. Observation of at least one surgical case is expected.

Assessment: ☒ Faculty/Resident Evaluation
☐ Test/Quiz ☐ Presentation
☐ Other:

Pediatric Infectious Disease Externship
PEDS 5013
Course Description: This rotation is designed to provide the student with experience in evaluating a child with a complex infectious disease and completing a pediatric consult to assist in the diagnosis and management of that child and to learn more about HIV exposure and disease in children. Students will participate in consults on pediatric in-patients, NICU, PICU, Nursery and Wards, outpatient clinics in Pediatrics ID, microbiology lab, rounds with Pediatrics ID attending regularly, and small group/lecture. Students will also give a 20 – 30 minute presentation on an ID topic of choice at end of rotation.

Assessment: ☒ Faculty/Resident Evaluation
☐ Test/Quiz ☒ Presentation
☐ Other:

Pediatric Hematology/Oncology Externship
PEDS 5017
Course Description: This rotation is designed to familiarize student with the needs of chronically ill oncology and hematology patients and multidisciplinary approach needed to care for them. Students will participate in inpatient and outpatient experiences including following specific patients, and reviewing peripheral blood smears and bone marrows will be arranged with the attending physician and pathologist. In addition students will be asked to present a topic of choice.

Assessment: ☒ Faculty/Resident Evaluation
☐ Test/Quiz ☒ Presentation
☐ Other:

Pediatric Pulmonology Externship
PEDS 5022
Course Description: This rotation is designed provide the student with an intensive exposure to Pediatric Pulmonology patients through a combination of outpatient encounters and inpatient consults plus didactic sessions. The student will attend all pediatric pulmonology clinics, will participate in inpatient consults and weekly multidisciplinary rounds with the hospitalist team, will attend conferences and lectures as pertinent to pulmonology, will complete a portfolio provided to them at the beginning of the rotation, and will present a short educational session at the end of the rotation.

Assessment: ☒ Faculty/Resident Evaluation
☐ Test/Quiz ☒ Presentation
☒ Other: Portfolio

Adolescent Pediatric Externship
PEDS 5023
Course Description: This rotation is designed to provide the student with experience in adolescent pediatrics, Activities will include seeing pediatric patients in the adolescent pediatric clinic and on the pediatric ward under the direct supervision of the faculty.

Assessment: ☒ Faculty/Resident Evaluation
☐ Test/Quiz ☒ Presentation
☒ Other: Portfolio
Psychiatry

Consult-Liaison Psychiatry Externship
PSRY 5002
Course Description: During this course students will see consultation cases from various departments, review chart work, and discuss cases during rounds with the consult physicians. This course is designed to give students the opportunity to learn directly about the medicine/psychiatry interface.

Assessment: ☒ Faculty/Resident Evaluation
☐ Test/Quiz  ☐ Presentation
☐ Other:

Eating Disorders Externship
PSRY 5007
Course Description: Observe and participate in initial assessments and evaluations of patients with eating disorders and individual and group psychotherapy, as well as psychopharmacological management and medical assessment and treatment of inpatients with eating disorders.

Assessment: ☒ Faculty/Resident Evaluation
☐ Test/Quiz  ☐ Presentation
☐ Other:

Psychiatry Externship
PSRY 5010
Course Description: During this course students will observe and participate in initial assessments and evaluations, perform psychopharmacological management and medical assessment and treatment, direct patient care, participate in team meetings and group therapy, and attend associated didactic learning activities.

Assessment: ☒ Faculty/Resident Evaluation
☐ Test/Quiz  ☐ Presentation
☐ Other:

Child & Adolescent Psychiatry Externship
PSRY 5023
Course Description: During this course students will participate as a member of a multidisciplinary treatment team in the evaluation and care of children with severe behavioral and emotional problems, be involved in individual, family, and group treatment modalities as well as attend didactic presentations on topics in child psychiatry, and participate in clinic to appreciate outpatient care and maintenance of treatment for less severe emotional and behavioral disturbance.

Assessment: ☒ Faculty/Resident Evaluation
☐ Test/Quiz  ☐ Presentation
☐ Other:

Psychiatric and Psychosocial Issues of HIV/AIDS
PSRY 5028
Course Description: During this course students will participate in the treatment of individuals infected with and affected by HIV/AIDS through assessment, individual and family therapy, and psychological consultation in several HIV/AIDS treatment environments.

Assessment: ☒ Faculty/Resident Evaluation
☐ Test/Quiz  ☐ Presentation
☐ Other:

Radiology

Radiology Externship
RADM 5001
Course Description: Students rotate through most of the major areas of radiology, participating in the clinical diagnostic process. In addition to clinical rotations, lectures and case conferences are scheduled throughout the rotation. The student will learn appropriate ordering of radiology studies, radiation safety, and to recognize certain basic radiographic signs and patterns; however, it is not intended that students will be able to “read” a radiograph at the end of the elective.

Assessment: ☒ Faculty/Resident Evaluation
☒ Test/Quiz  ☒ Presentation
☐ Other:

Pediatric Radiology Externship
RADM 5003
Course Description: This course is designed for students who have an interest in Diagnostic Radiology, Pediatrics, or Family Medicine. The four-week rotation will include exposure to radiography, fluoroscopy, CT, ultrasound, and MRI of the pediatric patient. In addition to didactic lectures, the student will attend film-reading sessions with radiologists. The student will learn appropriate ordering of radiology studies, radiation safety, and to recognize certain basic radiographic signs and patterns; however, it is not intended that students will be able to “read” a radiograph at the end of the elective.

Assessment: ☒ Faculty/Resident Evaluation
☒ Test/Quiz  ☒ Presentation
☐ Other:
Advanced Diagnostic Radiology Externship  
RADM 5004  
Course Description: This course is designed for students who have an interest in Diagnostic Radiology, Orthopedics, Neurology or Neurosurgery. The four-week rotation will include exposure to radiography, fluoroscopy, CT, ultrasound, and MRI of the patient. In addition to didactic lectures, the student will attend film-reading sessions. The student is assigned to work with a mentor in the areas of his/her specific interest. Together, they plan objectives and activities to include patient care, academic pursuits, and/or research.

Assessment: ☒ Faculty/Resident Evaluation  
☒ Test/Quiz  ☒ Presentation  
☐ Other:

Orthopedics  
Orthopedics Externship  
SURG 5275  
Course Description: In order to gain increased knowledge and skills in the field of Orthopedic Surgery and in the care of Orthopedics patients, students will fully participate in all inpatient and outpatient activities of their assigned service.

Assessment: ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  ☐ Presentation  
☐ Other:

Neurosurgery  
Neurosurgery Externship  
SURG 5200  
Course Description: This course provides opportunity for combining the direct patient care responsibilities of a junior house officer with practice in performing neurological examinations while participating with staff members in the practice of neurosurgery. The extern will be assigned eight patients for whom he will have primary responsibility for daily care under the supervision of the Neurosurgery faculty and house staff in locations where house staff are present. He/she will participate in patient evaluations in the clinic and daily teaching conferences. This elective provides for a close working relationship between the staff and the student while at the same time providing opportunity for patient care responsibilities.

Assessment: ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  ☒ Presentation  
☐ Other:

Otolaryngology  
Otolaryngology Externship for Visiting Students 5250  
Course Description: Students on this elective will function as an integral part of the Otolaryngology Service at the Medical College of Georgia. The student is expected to initiate the clinical data base, begin diagnostic measures, and where possible, perform surgical procedures with supervision. In addition, he/she will participate in the teaching responsibilities, conferences, clinics, and operating experiences of the service to which he/she is assigned and he/she will be assigned night call responsibilities.

Assessment: ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  ☒ Presentation  
☐ Other:

Pediatric Surgery  
Pediatric Surgery Externship  
SUGRG 5300  
Course Description: This Pediatric Surgery Elective is designed to introduce the student to the fundamentals involved in the Clinical Care of the Pediatric Surgical patient. Participation as above in all activities of the Pediatric Surgical Service.

Assessment: ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  ☐ Presentation  
☐ Other:

Plastic Surgery  
Plastic Reconstructive Surgery Externship  
SURG 5375  
Course Description: In order to gain increased knowledge and skills in the field of Plastic Surgery and in the care of Plastic Surgery patients, students will participate in all activities of the Plastic Surgical Service. This may include exposure to wound healing problems, repair of nerves, tendons, vessels, bone and clinical problems including tumors of the head and neck, injuries of the face and extremities, thermal burns, and congenital abnormalities.

Assessment: ☒ Faculty/Resident Evaluation  
☐ Test/Quiz  ☐ Presentation  
☐ Other:
**Thoracic and Cardiac Surgery**

**Thoracic and Cardiac Surgery Externship**

**SURG 5325**

**Course Description:** This elective is designed to provide additional experience in pathophysiology and treatment in cardiothoracic disease. The student participates with the cardiothoracic surgeon in answering consultations regarding patients with potential thoracic surgical problems on other services. In addition, opportunities are available for experience in treatment of critically ill patients in the surgical intensive care unit.

**Assessment:**
- ☒ Faculty/Resident Evaluation
- ☐ Test/Quiz
- ☐ Presentation
- ☐ Other:

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**Urology**

**Urology Externship**

**SURG 5350**

**Course Description:** This course is designed to provide students with the opportunity to rotate on a 4 week patient care elective in Urology. Emphasis is on evaluation of urologic patient, both the inpatient and outpatient. Students have an opportunity to assist at cystoscopies and several operative procedures. Opportunity to learn proper technique for urethral dilatations, urethral catheterizations and prostatic evaluation is available. Students are assigned inpatients in rotation and perform histories and physical examinations upon them and then follow the patient daily, including preoperative, operative and postoperative care. Students make ward rounds and review all urologic x rays daily. Informal conferences with faculty and/or residents are held covering such topics as G.U. malignancies, urolithiasis, prostatic disease, neurogenic bladder and complications of the catheter.

**Assessment:**
- ☒ Faculty/Resident Evaluation
- ☐ Test/Quiz
- ☐ Presentation
- ☐ Other: