

Hospital Medicine

Course Department, Number & Title: HOSPITAL MEDICINE

Course credit or length: 2 Weeks

Course director and contact information: Christine L. Gilkerson, MD, gilkers6@marshall.edu

Course coordinator and contact information: Brittani Ruiz; 304-691-1739, ruizb@marshall.edu

Course location: St. Mary's Medical Center or Cabell Huntington Hospital

Brief Course Description: This elective for fourth year medical students provides a structured clinical experience in the field of Academic Hospital Medicine. It is designed to be a well supervised and personalized educational experience that will serve to improve and build upon those cognitive and technical clinical skills already attained during the junior medicine clerkship. Through this elective, the student will learn the clinical skills and attitudes essential to the practice of Academic Hospital Medicine and the delivery of the highest quality patient care. The attending will be responsible for assigning the student patients to follow from admission to discharge. The student will be expected to participate actively in patient care, including but not limited to writing admission orders, daily progress notes, obtaining consults and discharge planning. In addition to the patient care aspect, the student will be expected to identify and present on a topic in hospital medicine such as patient safety, quality improvement, risk management or the economics of hospital medicine. The student will also attend committee meetings and conferences as seen fit by the attending. This elective is intended to only be taken one time during the students fourth year.

CLERKSHIP IN HOSPITAL MEDICINE

Institutional Objective

Patient Care - *Students must demonstrate the ability to provide patient care that is compassionate, appropriate, and effective for the treatment in hospital medicine.*

Course Objective

The student will be given the opportunity to take care of and follow patients through their entire stay in the hospital. The student will demonstrate ability to elicit an appropriately detailed history, perform an appropriately comprehensive physical examination, order appropriate diagnostic testing, and arrive at a final diagnosis in order to develop a comprehensive and efficient management plan.

Outcome Measure:

The attending will formatively evaluate the student throughout the elective. Venues for the formative evaluation will include oral presentation of patients admitted, bedside observations of interactions with patients, observations of interactions with other members of the healthcare team, and observations of students during conferences. (See plan for summative evaluation in Evaluation section.) The student must demonstrate the ability to formulate a differential diagnosis as well as develop an investigatory plan, utilizing appropriate and cost-effective laboratory and radiological studies. Finally, an appropriate treatment plan must be formulated. A list of acceptable patient presentations includes, but is not limited to:

- Acute abdominal pain
- Acute upper or lower GI bleeding
- Accelerated HTN
- Arteriosclerotic heart disease
- Arthritis

- Back Pain
- Bone Marrow disorders
- Breast cancer
- Chest Pain
- Chronic Obstructive Pulmonary Disease
- Colon cancer
- Complications of cirrhosis
- Congestive heart failure
- Dementia or delirium
- Dermatitis
- Diabetes
- DVT and pulmonary embolism
- Hepatitis
- Lung cancer
- Pneumonia
- Renal failure
- Respiratory failure
- Sinusitis
- Syncope
- TIA/CVA
- Upper respiratory tract infections
- Urinary tract infection
- Ventricular and Supraventricular arrhythmias
- Vertigo

Medical Knowledge- *Students must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological and social-behavioral sciences, as well as the application of this knowledge to inpatient patient care.*

Course Objective:

Students must demonstrate basic knowledge in hospital medicine and its application in the resolution of typical inpatient problems.

Outcome Measure:

The attending will assess the students' demonstration of knowledge and hands-on skills during the rotation by observation of their oral presentations and bedside interactions with patients. They will be expected to access the medical literature related to a medical problem they have seen during the rotation.

Practice-based Learning and Improvement - *Students must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and life-long learning.*

Course Objective:

Students are expected to develop skills and habits to be able to meet the following goals:

- Identify strengths, deficiencies, and limits in one's knowledge and expertise
- Set learning and improvement goals
- Identify and perform appropriate learning activities
- Systematically analyze practice using quality improvement methods, and implement changes with the goal of practice improvement
- Incorporate formative evaluation feedback into daily practice

- Locate, appraise and assimilate evidence from scientific studies related to their patients' health problems
- Use information technology to optimize learning
- Participate in the education of patients, families, students, students and other health professionals
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- Use information technology to optimize learning
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Outcome Measure:

The Attending will observe the students' skills and habits and include an assessment as part of the final grade evaluation.

Interpersonal and Communication Skills- Students must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals.

Course Objective:

Students are expected to:

- Communicate effectively with patients, families, and the public, as appropriate, across a broad range of socioeconomic and cultural backgrounds.
- Communicate effectively with physicians, other health professionals, and health related agencies.
- Work effectively as a member of a health care team or other professional group.
- Maintain comprehensive and timely medical records.

Outcome Measure:

The Attending will observe the students' interactions with patients, families, and staff, and assess the students' abilities as part of the final grade evaluation.

Professionalism- Students must demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles.

Course Objective:

Students are expected to demonstrate compassion, integrity, and respect for others. Students must demonstrate their understanding that responsiveness to patient needs supersedes self-interest. Students must show respect for patient privacy and autonomy as well as demonstrate their grasp of their accountability towards patients, society and the profession. Equally, they must show sensitivity and responsiveness to a diverse patient population, including diversity to gender, age, culture, religion, disabilities and sexual orientation.

Outcome Measure:

The Attending will observe the students' demonstration and assess the students' abilities as part of the final grade evaluation. The student's attendance at, and timeliness of arrival at, required functions will be a part of the assessment of professionalism.

Violations of Professionalism may result in failure of the entire course.

Systems-based Practice - Students will be able to recognize and better understand the role of other health care professionals in the overall care of the patient.

Course Objective:

Students are expected to:

- Work effectively in various health care delivery settings and systems relevant to the rotation
- Coordinate their patients' care within the health care system
- Incorporate considerations of cost awareness and risk-benefit analysis in patient and/or population-based care as appropriate
- Advocate for quality patient care and optimal patient care systems
- Work in inter-professional teams to enhance patient safety and improve patient care quality
- Participate in the identification of systems errors as part of performance improvement activities and contribute to the development and implementation of potential systems solutions

Outcome Measure:

The Attending will observe the students' abilities and include the assessment as part of the final grade.

COURSE SPECIFIC INFORMATION

PROFESSIONALISM EXPECTATIONS OF STUDENTS

Students are expected to:

1. Display professional behavior at all times.
2. Be punctual and reliable for all clinical shifts.
3. Complete all assigned shifts. If a student cannot come due to illness or other emergent reason, students are to notify Brandy Holley, Internal Medicine Student Coordinator at 304-691-1094, **AND** notify their Attending Physician. Missed shifts must be made-up before a grade can be assigned.
4. Complete assigned reading and other assignments.
5. Attend required conferences.

MUJCESOM Policies: All medical students taking this course will comply with School of Medicine policies given at <http://musom.marshall.edu/students/policies>. Individual policies can be found at the following websites:

Student Infectious Material Exposure:

<http://musom.marshall.edu/ups/postexposure.asp>

MS-IV Attendance:

<https://musom.marshall.edu/students/documents/policies/Yr4attendance.pdf>

Academic Dishonesty Policy:

<https://musom.marshall.edu/students/documents/policies/Standards-of-Professionalism-and-Honor-Code.pdf>

Academic Standards Policy:

<https://musom.marshall.edu/students/documents/Policies/ASC-FINAL-POLICY.pdf>

Policy for Students with Disabilities:

<https://musom.marshall.edu/students/documents/Guidelines.pdf>

University Computing Services' Acceptable Use Policy:

<http://www.marshall.edu/ucs/CS/acptuse.asp>

Affirmative Action Policy:

pp. 16-17

http://www.marshall.edu/catalog/Graduate/S2008/gr_sp08.pdf

Inclement Weather Policy:

<https://musom.marshall.edu/students/documents/policies/MUSOM-Inclement-Weather-Policy.pdf>

Notification of delays and cancellations of classes are posted on the Medical Education Home Page when Marshall University Main Campus is not in session

<https://musom.marshall.edu/weather>

POLICY STATEMENT REGARDING STUDENT WORK HOURS

The following adapted ACGME work hour rules have been incorporated as the MUSOM Policy Statement Regarding Student Work Hours:

- Students must not be scheduled for more than 80 clinical duty hours a week, averaged over a four-week period.
- Students must have one day in seven free of patient care activities, averaged over a four-week period.
- Students must not be on overnight call more frequently than every third night, averaged over a four-week period.
- Students must not be expected to be on call for more than 24 hours, with an added period of up to 6 hours for continuity, educational debriefing and didactic activities. Students should not be expected to evaluate new patients after 24 hours.
- A minimum of 10 hours rest period should be provided between clinical duty periods.

SELF-DIRECTED LEARNING RESPONSIBILITIES

Students are strongly encouraged to use the evenings and other free time to build knowledge of Hospital Medicine and learn from patients. As such, students are expected to use any unassigned time (including evenings and weekends) to read about patients, research questions that arise during the day, prepare for case conferences, and prepare for student-attending rounds. Attendings have been specifically asked to look for evidence that students have read articles and books between clinic sessions and their impressions will be reflected on the student evaluation.

RESPONSIBILITIES

- Direct patient care- History and Physical, evaluate lab, write notes and discharge patient with direct attending supervision
- Perioperative evaluation
- Learn about the hospital system (case management, social services, nursing supervisor and administration, hospital administration, medical affairs, palliative care, nursing home and dialysis coordinators, physical/occupational therapy, and charity for medication assistance) and how to utilize them to optimize patient care
- Attend at least 1 hospital committee meeting (Quality Improvement, utilization review, pharmacy and therapeutics)
- Attend at least 1 hospitalist weekly meeting

- Research 1 quality initiative topic (patient safety, transitions of care, adverse drug reaction, infection control) and write a review with appropriate recommendations for improving the system
- Present the topic to the attending and internal medicine team
- Attendance at medical grand rounds is optional

Equipment Requirement

Students must also provide their own stethoscopes and to carry it with them the entire rotation.

ASSESSMENT METHODS

Student Summative Assessment and Final Grade

The student will be assessed on the core competencies. This will be broken down into several objective assignments. The course is Honors/Pass/Fail and this will be based on attending evaluations during the rotation.

The following core competencies will be evaluated during the evaluations from attendings.

- Patient Care
- Medical Knowledge
- Practice-Based Learning
- Communication
- Professionalism
- Systems-Based Practice

Disputes regarding course grades may be appealed to the Course Director. For more information regarding grade appeals, consult the Academic Standards policy at <http://musom.marshall.edu/students/policies/>

ATTENDANCE

If at any time the medical student is unable to meet their clinical responsibilities they must notify their Clinical Attending and, Brittani Ruiz the department's Student Coordinator. Depending on the situation, missed days may require make up sessions.

Requests for excused absences must be submitted in writing at least one week in advance to the Course Coordinator. The request will be reviewed by the Course Director who will either grant or deny the request. Excused absences will not be retroactively granted.

REQUIRED RESOURCE: www.UpToDate.com
www.shm.com