Course Department, & Number & Title: PED 827, Sub-Internship Pediatrics

Course credit or length: 4 Weeks. This elective is available to only one or two students at a time.

Course directors and contact information: Dr. Andrea Lauffer, 304.691.1371, lauffer1@marshall.edu

Course coordinator and contact information: Ashley O'Neill, 304.691.1371, oneill15@marshall.edu

Course location: Cabell Huntington Hospital

Course Description: The student will function as a member of the house staff team observing and participating in the delivery of care of the pediatric hospital patient from the initial admission with the attending and resident. The complete evaluation of the patient, the planning of the clinical appraisal and care will be under the management of the student. All procedures, laboratory follow-through and therapeutic management of the patient will be coordinated with the pediatric resident to whom the student is assigned. Location of this elective is the Inpatient Pediatric Floor at Cabell Huntington Hospital – 5th floor.

Additional Responsibilities of Students: Students are to report to the inpatient service at approximately 6:30 AM Monday through Friday unless otherwise instructed by attending or resident. On this elective the student will be responsible for the initial history and physical examination as well as daily progress notes on each of his/her patients. Orders and procedures on ward patients will be carried out under the supervision of senior residents and faculty. Teaching rounds are conducted daily with attending physicians and subspecialists. The student is required to attend (and participate) in all scheduled resident lectures, grand rounds, case discussions, etc. while on this elective. A schedule of the weekly didactic sessions will be available for the student.

The student will work one day each weekend and also do one or two weeks of nights instead of all day shift. The student will be on call approximately every fourth night during the elective with the same responsibilities as the pediatric intern.

Institutional Objective

Patient Care - Students must demonstrate the ability to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Course Objective

The student will demonstrate the ability to assess a patient, obtain a succinct history, and develop a differential diagnosis from history and physical examination of a hospitalized pediatric patient with appropriate laboratory and radiographic studies.

Outcome Measure

The student will orally present to the faculty member at least five patient encounters and orally demonstrate the ability to formulate a working differential diagnoses, and an efficient investigation plan, with appropriate, cost-effective use of laboratory and radiological studies.
Institutional Objective

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 patient care.*

**Basic Science Objective**
The student will develop a basic understanding of the pathophysiology, disease status and clinical pharmacology to manage common inpatient pediatric admissions.

**Outcome Measure**
The student will orally demonstrate to the faculty a basic understanding of at least five of the pathophysiology, disease status and clinical pharmacology of following common pediatric admissions, one of which will be randomly selected by the faculty member:
- Acute bronchitis
- Affective disorders
- Appendicitis
- Asthma
- Fluid and electrolyte disorders
- Heart Diseases
- Meningitis
- Pneumonia
- Respiratory complications
- Sepsis

Institutional Objective

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**
The student will be able to communicate information effectively with members of the health team, including other physicians, nurses, physician and medical assistants, social workers, psychologists, and school personnel.

**Outcome Measure**
The student will be able to demonstrate to faculty:
- The ability to communicate effectively with others
- The ability to perform concise oral case presentations
- The ability to work as a team member and leader

Institutional Objective

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

**Course Objective**
The student will behave in an ethical, responsible, reliable and dependable manner and be able to accept constructive feedback to improve performance. The student must demonstrate professionalism in interacting with other medical students and health care providers.
**Outcome Measure**
The student will be directly observed and assessed as part of the final grade by faculty to determine ethical behavior, reliability and level of dependability of the student and the student’s ability to accept criticisms or suggestions. The student will also be evaluated by faculty on:

- Professional behavior toward colleagues
- Exhibition of integrity and honesty
- Acceptance of responsibility one’s own actions and decorum
- Sensitivity to gaps in knowledge exhibited by colleagues
- Ability to work effectively as a team member

**Institutional Objective**

**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**
The student will practice interacting with the health team, including other physicians, nurses, physician and medical assistants, social workers, psychologists, and school personnel to better understand the role of ancillary staff that is critical to the care of pediatric patients.

**Outcome Measure**
The student will orally demonstrate to faculty the ability to:

- Understand the concept of interdisciplinary teams to improve patient care
- Understand the multidisciplinary resources necessary to care optimally for patients
- Understand the need to collaborate with other members of the health care team to assure comprehensive patient care
- Understand the use of evidence-based, cost-conscious strategies in the care of patients

**Self-Directed Learning**
As a medical student, you are encouraged to use any unstructured time to read about your patients, research questions that arise during the day, prepare for case conferences, and prepare for student-faculty rounds. Preceptors have been specifically asked to look for evidence that you have read articles and books between clinic sessions. Use this time to build your knowledge of medicine and learn from your patients.

**ASSESSMENT METHODS**

**Preceptor Evaluation- 75%**

**Grade Mode: Pass/Fail**

The preceptor’s evaluation will be based upon, but not limited to, the following factors:

- Attendance and participation in tutorials
- Conference attendance
- Maturity and Professionalism
- Oral Case Presentation/Patient Workup
- Participation in call
- The demonstration of basic knowledge of critically ill patient care.
Exam - 25%
The student will be required to take an exam at the end of this course. Your exam will be scheduled for the last Friday of the elective starting at 1:30pm in the small conference room beside Ashley’s office. You will have 90 minutes to answer 50 questions. Make sure that you meet with Dr. Lauffer before the exam for a review. Should a student not score at least a 75% on the first attempt, the student will be given an opportunity to retest. If a 75% passage is obtained on the second attempt, the student’s exam score will be comprised of the average of both exam score. If passage is not obtained on the second attempt, the student will complete a written report on a topic selected by the clerkship director.

Each component mentioned above must be passed in order to successfully complete the course.

MUJCESOM Policies: All medical students taking this course will comply with School of Medicine policies given at http://musom.marshall.edu/students/policies.

Reading:  www.UpToDate.com  As per assignment by faculty and Chief Residents