SUB INTERNSHIP IN FAMILY MEDICINE
FCH 827

**Course Department, Number & Title:** FCH 827, Subinternship in Family Medicine

**Course credit or length:** 4 Weeks

**Course director and contact information:** Stephen M. Petrany, M.D., 304.691.1165, petrany@marshall.edu

**Course coordinator and contact information:** Glenna Michael, 304.691.1191, michael@marshall.edu

**LOCATION:** Cabell Huntington Hospital

**COURSE DESCRIPTION:** Students will perform at the level of an acting intern on the busy and lively family practice inpatient team. Patients followed by the family practice hospital service include newborn infants, children, adults, and critical care patients (ICU/CCU) in a 350-bed hospital. The subintern will perform admission histories and physicals on hospitalized patients and then function as the patients’ primary physician during the hospitalization under the close supervision of the chief residents and attending. The subintern will present his or her patients daily at a resident-directed, dynamic morning rounds. He or she assumes responsibility for ordering and interpreting laboratory data, choosing suitable treatments and communicating with patients and their families. Students are expected to follow a minimum of 2 patients daily while on the service. Attendance at weekly Family Practice Grand Rounds is required (90 minutes every Thursday afternoon, lunch is provided). Night call will be assigned to average every fourth to fifth night. Students on the Family Medicine Sub-Internship will review imaging studies on daily rounds and participate in weekly radiology sessions supervised by attending radiologists.

**COURSE GOAL:** To enable medical students to develop the skills needed to assess and manage patients (infants, children, and adults) admitted for inpatient care to a busy Family Medicine inpatient service

**COURSE GRADE MODE:** This is a Pass/Fail Course

**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 elicit a detailed history, focusing on the Chief Complaint, ordering appropriate diagnostic testing and arriving at a final diagnosis with the development of a comprehensive and efficient management plan. Students on the Family Medicine Sub-Internship will review imaging studies on daily rounds and participate in weekly radiology sessions supervised by attending radiologists.
**Outcome Measure:**
The student will successfully orally present one adult and one patient case to a designated Attending. The student must be directly involved in both patient cases while on this elective. A written summary of the cases must be provided to the designated Attending member at least one day prior to the case presentations. During the presentation, 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 adult and pediatric patient presentations includes, but is not limited to:

- Acute abdominal pain
- Acute upper or lower GI bleeding
- Arteriosclerotic heart disease
- Bone Marrow disorders
- Breast cancer
- Chronic Obstructive Pulmonary Disease
- Colon cancer
- Complications of cirrhosis
- Congestive heart failure
- DVT and pulmonary embolism
- Hepatitis
- Lung cancer
- Pneumonia
- Renal failure
- Respiratory failure
- Syncope
- TIA/CVA
- Urinary tract infection
- Ventricular and Supraventricular arrhythmias
- Vertigo

Depending on the student’s grasp of the subject matter and clinical knowledge, thoroughness of presentation and demonstration of sound clinical reasoning, the Attending member will evaluate the presentation. For grading details, see the assessment section below.

**Course Objective:**
Students must demonstrate ability to assess newborns in the newborn nursery.

**Outcome Measure:**
The Attending will assess the students’ abilities and demonstration of ability to assess newborns in the newborn nursery.

**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.
**Course Objective:**
Students must demonstrate basic knowledge in medicine and its application in the resolution of typical inpatient clinical problems for adults and children.

**Outcome Measure:**
The Attending will assess the students’ abilities and demonstration of knowledge during the course and the Case Presentation to be included as part of the final grade evaluation and Case Presentation grade.

**Institutional Objective**

**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:**
The student will provide continuing care (assessment and management) and daily follow-up on common inpatient medical problems for adults and children.

**Outcome Measure:**
The Attending will assess the students’ abilities to provide continuing care (assessment and management) and daily follow-up on common inpatient medical problems for adults and children.

**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 formally present inpatient admissions in an efficient and complete manner.

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The student will formally present to the faculty inpatient admissions in an efficient and complete manner. The student shall also include the interpretation of presenting signs and symptoms and clinical studies in assessing patients for admission to the hospital.

**Outcome Measure**
The faculty will observe the student communicating effectively with physicians and other health care providers, patients of all ages and their families or care givers.

**Institutional Objective**

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

**Course Objective**
The student will recognize and address unique inpatient ethical issues associated with acute and longitudinal care of adults and children.

**Outcome Measure**
The student will demonstrate to faculty a basic recognition and ability to address unique inpatient ethical issues associated with acute and longitudinal care of adults and children.

**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 understand criteria for hospital admission for common serious problems in adults and children.

**Outcome Measure**
The faculty will observe the student’s ability to understand basic hospital admission criteria for common problems in adults and children. Common serious problems include, but are not limited to chest pain, congestive heart failure, diabetic ketoacidosis, hypertension, jaundice, lower gastrointestinal bleeding, meningitis, myocardial infarction, pneumonia, seizures, trauma, upper gastrointestinal bleeding, and urinary tract infection.

**BASIC SCIENCE OBJECTIVE**

**Basic Science Objective**
The student will develop and refine their abilities to apply an understanding of pathophysiology, anatomy, disease status, and clinical pharmacology in the assessment and management of patients where appropriate.

**Outcome Measure**
The faculty will assess the student’s knowledge and ability.

**Self-Directed Learning**
As a medical student, you are encouraged to use any unstructured time as a 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 – for Honors/Pass/Fail

Faculty & Resident Supervisor Evaluation - Must be consistent with Honors Level to be considered for Honors.

The faculty and residents’ evaluation will be based, but are not limited to, upon the following factors:

- Attendance at morning hospital rounds and participation in assigned activities
- Conference attendance
- Demonstration of knowledge and skills outline in course objectives
- Maturity and Professionalism
- Oral Case presentation/patient workup
- Ability to perform and document a proper history and physical
- Ability to develop an appropriate differential diagnosis, initiate and adjust management plans
- Ability to present cases efficiently, assess newborns, interpret clinical presentations and assess need for admission,
- Ability to communicate with patients and their families, and recognize inpatient ethical dilemmas.
- Honors work on clinical report

Students are assessed at the bedside and in morning report by the supervising faculty and residents on a daily basis with completion of formal written evaluation summaries at the rotation completion. This written evaluation is reviewed with all students. Students are expected to be present for morning report on weekdays, call days, and post-call mornings. Students are expected to make rounds on their patients prior to morning report and to present updated information at morning report on all admissions and follow-ups. Failure to attend daily and on-call duties without prior permission may result in a grade reduction or, if recurrent, a failing grade. Students will be given opportunity for remediation of failing grades as determined by the course director.

Case Presentation - Completed Satisfactory

The student will be required to give a 10-15 minute case presentation at a pre-arranged time during their clinical rotation. Evaluation of specific outcome measures related to presentation and communication skills and clinical knowledge will be achieved for all students through a required formal presentation regarding one inpatient assessed and managed by the student during the rotation. Depending on the student’s grasp of the subject matter and clinical knowledge, thoroughness of presentation and demonstration of sound clinical reasoning, the Attending member will evaluate the presentation. If the case is judged to be unacceptable, a second, final presentation of a different case will be made to the Course Director or designee. Should the student’s second Case Presentation be unacceptable, the course director shall determine the appropriate remediation for the case presentation.
**Final Examination - Must score a 75% to pass**

A final exam will be given at the end of the rotation. Study material and readings will be assigned at the beginning of the rotation and students are encouraged to read the material early in the course. Students must score at least 75% to pass the exam. Passage of the examination is a requirement for passage of the course – irrespective of the student’s performance on other components of this course. Students are to contact course coordinator, Glenna Michael, to schedule a date/time to take the exam. Students will have 90 minutes to complete the 50 question exam. Students may retest one (1) time only and must retake the examination within two weeks. An unsuccessful second attempt will result in failure of the course, irrespective of other academic or clinical performance. Students who are unable to retest within the required two week period must submit a written request to the Course Director to be granted permission to delay the retake. The Course Director will decide if the request is acceptable and notify the student of whether the request is granted. The Course Director’s decision may be appealed to the Family Medicine Department Chair, whose decision is final.

### ATTENDANCE POLICY; INCLEMENT WEATHER POLICY; ACADEMIC INTEGRITY POLICY

Students are responsible for making sure they are aware and understand updated University policies with respect to attendance and academic integrity. These policies are available for review through the medical school web site.

**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 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

**Required Reading/Other Material:**
As assigned and provided by the Course Director or preceptor.