Course Department, & Number & Title: PED 803, Primary Care Pediatrics

Course credit or length: 2-4 Weeks. This elective is available to only one or two students at a time.

Course directors and contact information: Dr. Jessica Shields, 304.691.1371, antosze1@marshall.edu

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

Course location: Marshall University Medical Center, Marshall Pediatrics. This elective may also be done at one of the Marshall Pediatrics’ satellite offices.

Course Description: The student will observe and participate in the delivery of general pediatric care in an office setting with pediatric faculty. The student will participate in well-baby exams and health maintenance visits for infants through adolescence. Emphasis will be on the comprehensive assessment of medical problems of patients and families and development of treatment plans including preventive measures, health education and follow-up care.

Additional Responsibilities of Students: Students are to report to clinic at approximately 8:00 AM Monday through Friday unless otherwise instructed by the attending. On this elective the student will interview his/her patients and/or their parents, perform the physical examination, arrive at the treatment plan, present each case to the attending who will review and check the findings and make the final disposition on treatment and follow-up. For acute disease, the student will be encouraged to follow his/her own patients for the term of the elective. The student will have an opportunity to follow those patients who are admitted to the hospital if desired. The student will also assist in telephone management of common pediatric problems. 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. This elective does not require night call.

PRIMARY CARE PEDIATRICS

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, conduct a physical examination, assess growth and development, order appropriate diagnostic testing and arrive at a final diagnosis with the development of a comprehensive and efficient management plan on common pediatric office visits.

Outcome Measure:
The student will successfully orally present three patient cases to a designated Attending. The patient case must be one in which the student was directly involved. During this 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 patient presentations includes, but is not limited to:

- Allergies
- Asthma
- Dehydration issues, including vomiting and diarrhea
- Earache
- Colic
- Cough
Fever
Rashes
Sore throat
Sports injuries
Well child Visits, including immunizations

**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 pediatric medicine and its application in the resolution of typical clinical problems.

**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.

**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

**BASIC SCIENCE OBJECTIVES**

**Basic Science Objective**
Students will demonstrate basic knowledge of the immunization schedule for pediatric patients.

**Outcome Measurement**
Faculty will assess the students’ knowledge.

**Basic Science Objective**
Students will demonstrate basic knowledge of normal growth and development (physical, physiologic and psychosocial) and clinical application of this knowledge in patients of all ages from birth through Adolescence.

**Outcome Measurement**
Faculty will assess the students’ knowledge.

**Basic Science Objective**
Students will demonstrate basic knowledge of the basic pathophysiology and diagnosis of common immunodeficiency syndromes.

**Outcome Measurement**
Students will demonstrate to faculty basic knowledge of the basic pathophysiology and diagnosis of common immunodeficiency syndromes such as rhinitis, conjunctivitis, atopic dermatitis, contact dermatitis, urticaria, anaphylaxis.

**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- 100%**
The preceptors’ evaluation will be based, but not limited to, upon the following factors:

- Clinic Attendance and participation in assigned activities
- Demonstration of knowledge and skills
- Maturity and Professionalism
- Oral Case presentation/patient workup
- Informal oral case discussions and presentations
- Self-directed learning

**Grade Mode: Pass/Fail**

The students are directly observed by the attending and assessed on clinical knowledge, professionalism, self-directed learning and attitude to learning, critical thinking, history taking and physical examination skills and decision making skills using the stated course objectives.

**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](http://musom.marshall.edu/students/policies).

**Reading:** [www.UpToDate.com](http://www.UpToDate.com)  As per assignment by faculty and Chief Residents