

## **Osteopathic Principles & Practice (OP&P)**

This course consists of two one hour lectures and one two hour lab each week. The course will familiarize the students with the history of the osteopathy, the research contribution, the future projections for the profession, and the anatomical and physiological basis of Osteopathic medicine. The students will also understand the biomechanics of the various joints of the musculoskeletal system and how to manage them utilizing muscle energy techniques. The students will understand how to integrate Osteopathic principles with clinical medicine, surgery, pediatrics and gynecology/obstetrics. The course will correlate clinically the material presented in human anatomy and physiology.

## **Osteopathic Principles & Practice II (OP&P)**

The second year curriculum continues the discussion of function and dysfunction of the body as it relates to the appendages and the cranium, management of clinical problems including short lower extremity, lift treatment, headache, cervical, shoulder and low back pain are presented. Additionally, management of children, geriatric patients, pregnancy, and other problems common to different systems will be covered. The laboratory will continue to develop osteopathic diagnosis and treatment skills using the models presented in the first year and also introduce the student to myofascial release, and craniosacral treatment models. A thorough review of the entire body from a clinical perspective utilizing the different osteopathic manipulative treatment techniques will be done.

## **Clinical Skills**

This course is to teach the student how to perform a proper history and physical examination. He/she will be assessed not only on the knowledge related to this activity, but also the practical skills related to: (1) interviewing and history taking; (2) performing the physical examination; and (3) making clinical judgments. The course will teach the various organ systems and how to understand the importance of the history and physical examination for detecting pathophysiology. The student will learn to make a differential diagnosis, leading to the selection of "definitive" laboratory studies and then ultimately to diagnosis and treatment.

## **Radiology**

This course is designed to provide the first year student with a general background in radiologic techniques, modalities and interpretation.

## **Ophthalmology**

This course is designed to teach the first year student knowledge, anatomical abnormalities, thorough examination and treatment options of various ophthalmological diseases. Both acute and chronic conditions will be included.

## **Otorhinolaryngology**

This course is designed to familiarize the first year student with the proper examination, acute and chronic disease states and treatment options of the Ear, Nose and Throat.

### **Psychiatry**

This general course is given in the second year of instruction designed to give the student an introduction to general psychiatric assessment and diagnostic modalities. The topics of psychosocial, medical and other acute or chronic interventions will be included.

### **Neurology**

This course is designed to provide the second year student with a background in the clinical evaluation, examination procedures, diagnosis and treatment of neurological abnormalities.

### **Obstetrics/Gynecology**

This is a course that introduces PCSOM students to gynecological disorders and their treatment, including malignancies, family planning, diseases, infections, obstetrics, and preventive care.

### **Pediatrics**

This is a course that introduces PCSOM students to the diagnosis and treatment of diseases in infants and children, including immunizations, nutrition, and Neonatology.

### **Clinical Medicine Conference**

This is a course that introduces PCSOM students to clinical topics in family medicine, internal medicine, and surgery, including the diagnosis and treatment of specific disease states. Lectures will cover Emergency Medicine, along with various medicine and surgery subspecialties.