

# PODIATRIC MEDICINE (PMD)

## **PMD 80113 MEDICAL ETHICS 1 Credit Hour**

The focus of the medical ethics curriculum is to provide a foundation in ethical analysis, augment knowledge of contemporary bioethics issues, and offer experience applying ethical reasoning to clinical cases. The goal of this course is to promote discussion of the ethical responsibilities of a doctor to their patients.

**Prerequisite:** Enrolled in the college of podiatric medicine.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

## **PMD 80114 PRINCIPLES OF MEDICAL RESEARCH 1 Credit Hour**

It is important for a podiatric physician to have developed the ability to read and interpret the medical literature. This requires a fundamental understanding of biostatistics, epidemiology, and research design. This course provides a framework for the development of an evidence-based methodology to patient care.

**Prerequisite:** Enrolled in the college of podiatric medicine.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

## **PMD 80117 PODIATRY, PROFESSIONALISM AND SOCIETY I 1 Credit Hour**

This introductory course is the first in a series that spans all four years of the DPM program. The subject matter is functionally relevant but nontraditional in nature with respect to classic medical education. Topics cover a wide range of subjects that podiatric medical students encounter in their academic and professional careers. Students will participate in discussions and projects on ethics, socio-behavior, and practice related topics such as professionalism, communication, and time and financial management. Other topics related to the National Board Examinations, personal health, and the changing healthcare system will also be covered. Ultimately students will develop a more unique level understanding and appreciation of the above referenced themes as they advance their learning. An emphasis on the first year of podiatric medical school is the focus of this course.

**Prerequisite:** Enrolled in the college of podiatric medicine.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

## **PMD 80132 LOW EXTREMITY ASSESSMENT AND DIAGNOSIS 2 Credit Hours**

A comprehensive approach to physical examination, which combines the patient's symptoms and the physical signs to arrive at a diagnosis of disease. It is accomplished by training students in the methods of history taking and physical examination. The course focuses on lower extremity examination. The traditional processes of inspection, palpation, percussion and auscultation are emphasized.

**Prerequisite:** Enrolled in the college of podiatric medicine.

**Schedule Type:** Combined Lecture and Lab

**Contact Hours:** 1 lecture, 2 lab

**Grade Mode:** Standard Letter

## **PMD 80133 INTRODUCTION MEDICAL IMAGING 1 Credit Hour**

Podiatric physicians are fully licensed to order, perform and interpret radiologic studies of the foot and ankle. As operators of ionizing x-ray equipment, all practitioners must undergo basic training in x-ray physics, image control and quality assurance, safety and patient positioning. These four building blocks comprise the foundation of this course in fundamentals.

**Prerequisite:** Student must be enrolled in the college of podiatric medicine.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

## **PMD 80211 PODIATRIC MEDICINE I 2 Credit Hours**

This is a core course designed to present the 2nd year student with the full spectrum of pathology, which he or she will encounter during his or her clinical training and later in private practice. Topics include infectious disease, wound care, rheumatology, vascular medicine, and the diabetic foot. The student will be instructed in the evaluation of foot and ankle pathology including signs, symptoms, and differential diagnosis. Laboratory and radiographic evaluation will be discussed when appropriate. The student will also be instructed in the treatment alternatives available in each case.

**Prerequisite:** Enrolled in the college of podiatric medicine.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

## **PMD 80214 RADIOLOGY AND MEDICAL IMAGING I 2 Credit Hours**

This course encompasses the fundamentals of modern musculoskeletal imaging, with particular emphasis on the foot and ankle. The course begins with basic principles of plain film radiographic imaging, an approach that emphasizes the correlation of abnormal findings with basis pathologic differential consideration. Lectures will then introduce the student to pedal biomechanical radiography before moving to cover the imaging topics such as the pedal arthropathies, infection and the diabetic foot. The semester will end with a detailed presentation of the diabetic neuro-osteoarthropathy (Charcot arthropathy).

**Prerequisite:** Enrolled in the college of podiatric medicine.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

## **PMD 80217 PODIATRY, PROFESSIONALISM AND SOCIETY II 1 Credit Hour**

This course is the second in a series that spans all four years of the DPM program. The subject matter is functionally relevant but nontraditional in nature with respect to classic medical education. Topics cover a wide range of subjects that podiatric medical students encounter in their academic and professional careers. Students will participate in discussions and projects on ethics, socio-behavior, and practice related topics such as professionalism, communication, and time and financial management. Other topics related to personal health, and the changing healthcare system will also be covered. Ultimately students will develop a more unique level understanding and appreciation of the above referenced themes as they advance their learning. The content will be relevant to the second year podiatric medical school student.

**Prerequisite:** Enrolled in the college of podiatric medicine.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**PMD 80221 PODIATRIC MEDICINE II 2 Credit Hours**

This is a core course designed to present the 2nd year student with the full spectrum of pathology, which he or she will encounter during his or her clinical training and later in private practice. Topics include infectious disease, wound care, peripheral neuropathy, vascular medicine, and the diabetic foot. The student will be instructed in the evaluation of foot and ankle pathology including signs, symptoms, and differential diagnosis. Laboratory and radiographic evaluation will be discussed when appropriate. The student will also be instructed in the treatment alternatives available in each case.

**Prerequisite:** Enrolled in the college of podiatric medicine.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

**PMD 80222 PODIATRIC MEDICAL SKILLS 2 Credit Hours**

Podiatric Medical Skills is a practical course, which includes strapping and padding, instrument dexterity, local anesthetic injection, nail avulsion technique, blood glucose finger stick, handheld Doppler exam, fitting for diabetic shoes, arthrometric examination and casting for orthoses. Students are taught the indications and proper application of adhesive bandages and splints for the prevention of injury, control of foot function and treatment of injuries to the foot and lower extremity. Padding is the treatment of foot pathology by redistribution of weight, stress and friction. Students are taught how to relieve acute and chronic pathologies of the foot through the use of various padding materials, or prefabricated pads. Students also gain an understanding of the theory of pad placement. Students are taught the proper techniques for performing toenail avulsions, blood glucose finger sticks, and using the handheld Doppler. Students are taught the proper methods of fitting for diabetic shoes, performing a foot and ankle arthrometric examination and casting methods for foot orthoses.

**Prerequisite:** Enrolled in the college of podiatric medicine.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Satisfactory/Unsatisfactory

**PMD 80224 RADIOLOGY AND MEDICAL IMAGING II 2 Credit Hours**

The Spring semester course will continue to the topic of imaging complex diabetic foot problems, focusing on non-invasive imaging modalities as potential problem solvers. The first of these will be radionuclide imaging modalities, which will be covered in detail. From the diabetic foot, the course will then logically continue onto defining and then detailing the classic metabolic bone disorders. The course will then delve into the basics of MR and CT sectional imaging. The course will then formally cover applications to common pedal problems such as infection, trauma, and bone and soft tissue tumors. The course will then conclude with an introduction to diagnostic musculoskeletal ultrasound.

**Prerequisite:** Enrolled in the college of podiatric medicine.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

**PMD 80317 PODIATRY PROF SOCIETY III 1 Credit Hour**

This course is the third in a series that spans all four years of the DPM program. The subject matter is functionally relevant but nontraditional in nature with respect to classic medical education. Topics cover a wide range of subjects that podiatric medical students encounter in their academic and professional careers. Student will participate in discussions and projects on ethics, socio-behavior, and practice related topics related to personal health and the changing healthcare system will also be covered. Ultimately, students will develop a more unique level understanding and appreciation of the above referenced themes as they advance their learning. The content will be relevant to the third year podiatric medical school student.

**Prerequisite:** Enrolled in the college of podiatric medicine.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**PMD 80318 PEDIATRICS 2 Credit Hours**

Pediatrics is a comprehensive course, which introduces general pediatric pathologic processes, pediatric H&P, and emphasizes the incidence, etiology, pathomechanics, evaluation and treatment of common lower extremity pathology in children.

**Prerequisite:** This course has prerequisites of successful completion of all 1st and 2nd year curriculum in the college of podiatric medicine.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

**PMD 80396 INDEPENDENT STUDY 5 Credit Hours**

Independent study in Podiatric Medicine.

**Prerequisite:** Enrolled in the college of podiatric medicine.

**Schedule Type:** Individual Investigation

**Contact Hours:** 5 other

**Grade Mode:** Satisfactory/Unsatisfactory

**PMD 80417 PODIATRY, PROFESSIONALISM AND SOCIETY IV 4 Credit Hours**

This course is the last in a series that spans all four years of the DPM program. The subject matter is functionally relevant but nontraditional in nature with respect to classic medical education. Topics cover a wide range of subjects that podiatric medical students encounter in their academic and professional careers. Students will practice self-directed learning while preparing for graduation. There will be discussions and projects in various areas as ethics, social behavior, and practice related topics such as professionalism, communication, business, and courtroom law/malpractice. Other topics related to personal health, and the changing healthcare system will also be covered. Ultimately, students will develop a more unique level understanding and appreciation of the above referenced themes as they finalize their DPM degree program. The content will be relevant to the fourth year podiatric medical school student.

**Prerequisite:** Enrolled in the college of podiatric medicine.

**Schedule Type:** Lecture

**Contact Hours:** 4 lecture

**Grade Mode:** Standard Letter

**PMD 80495 ST PODIATRIC GEN MED 1-4 Credit Hours**

(Repeatable for maximum 8 credit hours) The special topics course is to sample new offerings on various topics.

**Prerequisite:** Enrolled in the college of podiatric medicine.

**Schedule Type:** Lecture

**Contact Hours:** 1-4 lecture

**Grade Mode:** Standard Letter