**BSC 80111 - HUMAN ANATOMY**

The macroscopic anatomy of the upper limb, thorax, abdomen, head and neck, pelvis and perineum of the human body is described, utilizing audiovisual teaching aids and full cadaver dissection. The course is taught using a regional approach, with emphasis on structural and functional relationships. The laboratory instruction includes cadaver dissection supplemented with anatomical prosections, as well as cross-sectional anatomy and computerized educational material. Prerequisite: student must be enrolled in the Podiatric Medicine program.

8.000 Credit hours  
4.000 Lecture hours  
4.000 Lab hours

Levels: Professional  
Schedule Types: Combined Lecture and Lab

Podiatric Medicine Department

**BSC 80112 - HUMAN CELL AND TISSUE BIOLOGY**

Histology is the study of the microscopic organization of the human body. Reciprocal relationships between normal structural features and their functions are emphasized. Macromolecules, organelles, cells, fundamental body tissues and organs are compared and contrasted. Light microscopic preparations are examined in laboratories, which are closely correlated with lecture topics. Prerequisite: student must be enrolled in the Podiatric Medicine program.

6.000 Credit hours  
4.000 Lecture hours  
2.000 Lab hours

Levels: Professional  
Schedule Types: Laboratory, Lecture

Podiatric Medicine Department

**BSC 80113 - MEDICAL BIOCHEMISTRY**

The study of the physical and chemical properties of the major constituents of cells and body fluids. This includes structures, functions and biochemical mechanisms involved in the biosynthesis, utilization and degradation of amino acids, carbohydrates, lipids, proteins and nucleic acids. Also included are enzyme kinetics, bioenergetics, cellular communication, nutrition and biochemistry of specialized tissues and fluids. Prerequisite: student must be enrolled in the Podiatric Medicine program.

6.000 Credit hours  
6.000 Lecture hours

Levels: Professional  
Schedule Types: Lecture

Podiatric Medicine Department

**BSC 80114 - MEDICAL GENETICS AND EMBRYOLOGY**
This course will include the basic principles of human genetics dealing with the genetic variations that impact medical practice. Molecular genetics, cytogenetics, genomics, and population genetics will be reviewed. This course will also review the major events and processes involved in normal and abnormal embryologic development of the major body organs and systems. This course is coordinated with Human Anatomy and Cell and Tissue Biology. Prerequisite: student must be enrolled in the Podiatric Medicine program.

4.000 Credit hours
4.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

**BSC 80124 - LOWER EXTREMITY ANATOMY**

Lower extremity anatomy presents the detailed macroscopic anatomy of the lower limb. The course is augmented with radiographs, MRI, surface anatomy and cross sectional studies. The course includes an introduction to basic concepts of podiatric medicine, surgery and biomechanics. Laboratory instruction includes a detailed dissection of the lower limb, supplemented with computerized educational materials and study of natural bone specimens. Prerequisite: student must be enrolled in the Podiatric Medicine program.

8.000 Credit hours
4.000 Lecture hours
4.000 Lab hours

Levels: Professional
Schedule Types: Laboratory, Lecture

Podiatric Medicine Department

**BSC 80125 - NEUROBIOLOGY**

Neurobiology is the study of the structure and function of the nervous system. The course will deal with the anatomy, microscopic anatomy and physiology of the individual neurons and systems of neurons, which comprise the component parts of the nervous system. Topics will include sensory, special sensory and motor systems, the cerebral cortex, diencephalon, cerebellum, brainstem and spinal cord. Discussions will include reference to clinical disorders related to those structures. Prerequisite: Student must be enrolled in the Podiatric Medicine program.

3.000 Credit hours
3.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

**BSC 80126 - HUMAN SYSTEMS BIOLOGY**

The study of basic concepts of normal organ and organ system function, including body fluids and compartments, muscle physiology, cardiovascular physiology, renal function, respiration,
gastrointestinal physiology and endocrinology. Emphasis is placed on the regulatory functions of each organ or system, as well as the contribution of each system to whole body homeostasis. The sequence of topics in this course are coordinated with those in GMD 121 Physical Assessment and Diagnosis. Prerequisite: student must be enrolled in the Podiatric Medicine program.
6.000 Credit hours
6.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

**BSC 80128 - MEDICAL MICROBIOLOGY AND IMMUNOLOGY**

This course will introduce the student to the basic concepts, characteristics and techniques used in the study of the clinically significant microbial groups: viruses, bacteria, fungi, and protozoa. The structure, metabolism, genetics, control and laboratory techniques of each microbial group will be described. The roles and outcomes of these organisms in producing manifestations of human infection and disease will be investigated. This course will also introduce the student to the molecular, cellular and organismal mechanisms responsible for the human immune response system. Laboratory will provide hands on experience in staining, cultivation, identification, sensitivity testing, and immunologic techniques. Prerequisite: student must be enrolled in the Podiatric Medicine program.

6.000 Credit hours
5.000 Lecture hours
1.000 Lab hours

Levels: Professional
Schedule Types: Combined Lecture and Lab

Podiatric Medicine Department

**BSC 80218 - HUMAN SYSTEMS PATHOLOGY**

The study of disease with emphasis on epidemiology, pathogenesis, natural history, morphologic appearance and relationship to clinical manifestation. Emphasis is placed on basic cellular pathologic processes (injury, inflammation and repair, neoplasia), and description of diseases organized by organ system. An introduction to the concepts of clinical decision making through the use of case studies and current clinical literature will be emphasized. Prerequisite: student must be enrolled in the Podiatric Medicine program.

8.000 Credit hours
8.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

**BSC 80219 - PHARMACOLOGY AND THERAPEUTICS**
Historically, the clinician was responsible for information about the sources, physical and chemical properties, compounding and dispensing of drugs. Today the practitioner’s responsibility requires the rational clinical use of therapeutic agents for the prevention, diagnosis, and treatment of disease based on an understanding of pharmacological principles. This course is designed to prepare practitioners to prescribe for maximum benefit and to recognize the clinical ramifications of concomitant drug therapy. Prerequisite: student must be enrolled in the Podiatric Medicine program.

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BSC 80228</td>
<td>HUMAN SYSTEMS PATHOLOGY</td>
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<tr>
<td>BSC 80229</td>
<td>PHARMACOLOGY AND THERAPEUTICS</td>
</tr>
<tr>
<td>CLI 80101</td>
<td>INTRODUCTION TO PATIENT CARE I</td>
</tr>
</tbody>
</table>

Levels: Professional
Schedule Types: Lecture
Podiatric Medicine Department

**BSC 80228 - HUMAN SYSTEMS PATHOLOGY**

The study of disease with emphasis on epidemiology, pathogenesis, natural history, morphologic appearance and relationship to clinical manifestation. Emphasis is placed on basic cellular pathologic processes (injury, inflammation and repair, neoplasia), and description of diseases organized by organ system. An introduction to the concepts of clinical decision making through the use of case studies and current clinical literature will be emphasized. Prerequisite: student must be enrolled in the Podiatric Medicine program.

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<tr>
<th>Credit hours</th>
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</table>

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

**BSC 80229 - PHARMACOLOGY AND THERAPEUTICS**

Historically, the clinician was responsible for information about the sources, physical and chemical properties, compounding and dispensing of drugs. Today the practitioner’s responsibility requires the rational clinical use of therapeutic agents for the prevention, diagnosis, and treatment of disease based on an understanding of pharmacological principles. This course is designed to prepare practitioners to prescribe for maximum benefit and to recognize the clinical ramifications of concomitant drug therapy. Prerequisite: student must be enrolled in the Podiatric Medicine program.

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<th>Credit hours</th>
<th>Lecture hours</th>
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Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

**CLI 80101 - INTRODUCTION TO PATIENT CARE I**

This clinical rotation provides the first year student an opportunity to directly observe patient care at the Cleveland Foot and Ankle Institute. During the course of patient care students will
assist in the development of differential diagnoses and observe patient management under the supervision of residents and faculty members. Students interact with other students, staff, residents and clinicians. It is important during the course of patient care that the student understands the patient’s concerns, complaints, psychosocial status, past medical history and medications. Students also develop good patient communication skills. The student should use this opportunity as a guide to become professional and ethical podiatric physicians.

Prerequisite: student must be enrolled in the Podiatric Medicine program.

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>CLI 80200</td>
<td>STANDARDIZED PATIENTS ROTATION</td>
</tr>
<tr>
<td>CLI 80201</td>
<td>INTRODUCTION TO PATIENT CARE II</td>
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</table>

**CLI 80200 - STANDARDIZED PATIENTS ROTATION**

Offers second year students the opportunity to interview standardized patients and receive feedback on their patient interviewing and history recording skills which prepares them to function competently in a doctor/patient encounter. Some students find that interviewing patients comes naturally, while for others it is more a learned skill. The standardized patients are actors who have been coached to simulate actual patients so accurately that the simulation could possibly fool even a skilled clinician. Prerequisite: student must be enrolled in the Podiatric Medicine program.

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<tr>
<th>Credit hours</th>
<th>Other hours</th>
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Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

**CLI 80201 - INTRODUCTION TO PATIENT CARE II**

This clinical rotation provides the second year student to directly observe patient care at the Cleveland Foot and Ankle Clinic and assist in the performance of history-taking and physical examinations. During the course of patient care at the Cleveland Foot and Ankle Clinic, student elicit and perform a history and physical, develop differential diagnoses, and follow through with a regime for patient management under the supervision of a resident and faculty members. Students interact with other students, staff, residents and clinicians. It is important during the course of patient care that the student understands the patient’s concerns, complaints, psychosocial status, past medical history and medications. The student should also understand differential diagnoses, diagnosis, treatment and future plans for the patient. Students develop good patient communication skills. The student should use this opportunity as a guide to become a professional and ethical podiatric physician. Prerequisite: student must be enrolled in the Podiatric Medicine program.

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<th>Credit hours</th>
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Levels: Professional
Schedule Types: Clinic
CLI 80202 - INTRODUCTION TO PATIENT CARE III

This clinical rotation provides the second-year student to directly observe patient care at the Cleveland Foot and Ankle Clinic and assist in the performance of history-taking and physical examinations. During the course of patient care at the Cleveland Foot and Ankle Clinic, students elicit and perform a history and physical, develop differential diagnoses and follow through with a regimen for patient management under the supervision of a resident and faculty members. Students interact with other students, staff, residents and clinicians. It is important during the course of patient care that the student understands the patient’s concerns, complaints, psychosocial status, past medical history and medications. The student should also understand differential diagnoses, diagnosis, treatment and future plans for the patient. Students develop good patient communication skills. The student should use this opportunity as a guide to become a professional and ethical podiatric physician. Prerequisite: student must be enrolled in the Podiatric Medicine program.

1.000 Credit hours
1.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

CLI 80310 - PODIATRIC SURGERY ROTATION

Stresses complete pre-operative and post-operative management of the surgical patient. Many foot deformities can be corrected with surgery. Work up for the purposes of establishing proper diagnosis, selection of appropriate surgical procedure and designing a proper follow-up plan are necessary components of successful surgical outcome. Proper post-operative patient care as well as early recognition of potential surgical complications are stressed. These are essential to a successful surgical practice. While the scope of surgery varies greatly with differences in postgraduate training, there exists a basic core of knowledge and various techniques that are consistent with successful surgical outcome. In order to be a successful surgeon, it is imperative that the student master those basic skills that will be utilized through his or her career. This rotation is the foundation upon which surgical careers are built. Prerequisite: student must be enrolled in the Podiatric Medicine program.

4.000 Credit hours
16.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

CLI 80315 - SURGICAL SKILLS WORKSHOP

Provides students with the knowledge and hands-on training pertaining to the physical skills that are necessary to perform surgery of the foot and ankle. An effort is made to correlate didactic information learned in the classroom with the rationale behind why many surgical procedures are performed. Adequate demonstration of surgical skills are provided along with
practice time and constructive performance feedback. Prerequisite: Student must be enrolled in the Podiatric Medicine program.
4.000 Credit hours
16.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

<table>
<thead>
<tr>
<th>CLI 80320 - RADIOLOGY ROTATION</th>
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<tbody>
<tr>
<td>Clinical rotations function by adapting and applying classroom information to real life, “hands-on” situations. A majority of foot complaints necessitate the taking and the reading of radiographs. As specialists of the foot and ankle, podiatrists are in a unique situation in being able to take and interpret radiographs in their own offices. Radiographic analysis is therefore and integral component of podiatric medical education. The Radiology/Medical Imaging rotation focuses on those skills commonly performed by the podiatrist. This includes positioning and developing radiographs along with recognizing the most common pedal pathologies. Prerequisite: student must be enrolled in the Podiatric Medicine program.</td>
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<tr>
<td>4.000 Credit hours</td>
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<td>16.000 Other hours</td>
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<td>Levels: Professional</td>
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Podiatric Medicine Department

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<thead>
<tr>
<th>CLI 80340 - CARDIOPULMONARY RESUSCITATION/ADVANCED CARDIOPULMONARY RESUSCITATION</th>
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<tbody>
<tr>
<td>CPR/ACLS is taught to third-year students at the beginning of the year. It is basic cardiopulmonary and advanced cardiopulmonary resuscitation. Students practice and take a written exam to demonstrate proficiency in these areas as required by the American Heart Association. Prerequisite: student must be enrolled in the Podiatric Medicine program.</td>
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<tr>
<td>1.000 Credit hours</td>
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<tr>
<td>4.000 Other hours</td>
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Podiatric Medicine Department

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<tr>
<th>CLI 80351 - PODIATRIC MEDICINE/BIOMECHANICS (EUCLID)</th>
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<tbody>
<tr>
<td>Gives students the opportunity to perform primary foot and ankle care under the supervision of the clinical faculty. Students learn basic podiatric palliative care techniques on patients, as well as how to record the findings in the medical record. Students are evaluated on their ability to present the case history, treat the patient and properly record their findings. Students receive clinical conferences on a variety of podiatric medical topics with practical exams in many areas. Two months are spent at the Cleveland Foot and Ankle Institute. One month is spent at the Cleveland VA Hospital. This rotation also provides the student with the</td>
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</table>
opportunity for observation and practice of examination skills required in performing a musculoskeletal and biomechanical evaluation. This involves the development of skill in obtaining a biomechanical/musculoskeletal history, arthrometric evaluation, visual gait analysis and musculoskeletal examination to include muscle strength testing, flexibility and range of motion. The student is also taught, and provided opportunities for practice, various methods of obtaining and evaluating proper biomechanical cast impressions of the feet for the purpose of fabricating orthotic devices. Emphasis in this rotation is on the practice and refinement of clinical evaluation and manual skills. Prerequisite: student must be enrolled in the Podiatric Medicine program.

4.000 Credit hours
16.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

**CLI 80352 - PODIATRIC MEDICINE/BIOMECHANICS (INDEPENDENCE)**

Gives students the opportunity to perform primary foot and ankle care under the supervision of the clinical faculty. Students learn basic podiatric palliative care techniques on patients, as well as how to record their findings in the medical record. Students are evaluated on their ability to present the case history, treat the patient and properly record their findings. Students receive clinical conferences on a variety of podiatric medical topics, with practical exams in many areas. Two months are spent at the Cleveland Foot and Ankle Institute. One month is spent at the Cleveland VA Hospital. Also provides the student with the opportunity for observation and practice of examination skills required in performing a musculoskeletal and biomechanical evaluation. This involves the development of skill in obtaining a biomechanical/musculoskeletal history, arthrometric evaluation, visual gait analysis and musculoskeletal examination to include muscle strength testing, flexibility and range of motion. The student is also taught, and provided opportunities for practice, various methods of obtaining and evaluating proper biomechanical cast impressions of the feet for the purpose of fabricating orthotic devices. Emphasis is on the practice and refinement of clinical evaluation and manual skills. Prerequisite: student must be enrolled in the Podiatric Medicine program.

4.000 Credit hours
16.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

**CLI 80365 - PRIMARY CARE/VETERANS ADMINISTRATION**

This is a one-month rotation at a veteran’s health care facility, which emphasizes the skills necessary to function effectively in government health care facilities. Prerequisite: student must be enrolled in the Podiatric Medicine program.

4.000 Credit hours
16.000 Other hours

Levels: Professional
Schedule Types: Clinic
### CLI 80370 - HISTORY AND PHYSICAL ROTATION

The history and physical rotation is a one month experience in one of the several area hospitals, which is designed to provide experience in history and physical examinations. Each rotation site will provide the same core experiences, (based on the goals and objectives), in patient assessment techniques (i.e., history and physical examination), the understanding of disease processes and management strategies. In addition to the core experiences, each rotation site may add additional exposures and training. Prerequisite: student must be enrolled in the Podiatric Medicine program.

- **4.000 Credit hours**
- **16.000 Other hours**

Levels: Professional  
Schedule Types: Clinic

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### CLI 80380 - SIMULATED PATIENTS I

Clinical course offered as part of the core clinical rotations in the third year. Covers general medicine rotation, simulated patients interactions and clinical skills exam exposure. Prerequisite: student must be enrolled in the Podiatric Medicine program.

- **4.000 Credit hours**
- **4.000 Other hours**

Levels: Professional  
Schedule Types: Clinic

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### CLI 80381 - SIMULATED PATIENTS II

Clinical course offered as part of the core clinical rotations in the third year. Covers general medicine rotation, simulated patients interactions and clinical skills exam exposure. Prerequisite: student must be enrolled in the Podiatric Medicine program.

- **4.000 Credit hours**
- **4.000 Other hours**

Levels: Professional  
Schedule Types: Clinic

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### CLI 80440 - SENIOR CLINICAL ROTATION

The senior podiatric rotation is a two-month rotation at the Cleveland Foot and Ankle Institute, which emphasizes competencies needed to enter hospital residency training. Experiences are gained in primary clinical sites and external sites affiliated with the college.
### CLI 80441 - SENIOR CLINICAL ROTATION I

The senior podiatric rotation is a one-month rotation at the Cleveland Foot and Ankle Institute, which emphasizes competencies needed to enter hospital residency training. Experiences are gained in primary clinical sites and external sites affiliated with the college. Prerequisite: Students must be enrolled in the Podiatric Medicine program in order to register for this course.
4.000 Credit hours
48.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

### CLI 80442 - SENIOR CLINICAL ROTATION II

The senior podiatric rotation is a one-month rotation at the Cleveland Foot and Ankle Institute, which emphasized competencies needed to enter hospital residency training. Experiences are gained in primary clinical sites and external sites affiliated with the college. Prerequisite: Students must be enrolled in the Podiatric Medicine program in order to register for this course.
4.000 Credit hours
48.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

### CLI 80445 - SENIOR ROTATION VETERANS ADMINISTRATION HOSPITAL

Designed to provide clinical experiences in primary care management, treatment, and problem solving for that special population in the VA medical center, Brecksville nursing home environment and extended care facilities. This rotation also gives the students the opportunity to gain experience by providing care to the medically disenfranchised veterans. Additionally, intensive educational opportunities are offered to evaluate and treat various degrees of chronic and acute wounds, as well as offer some surgical experience. Finally all students are offered an opportunity to participate in a specialized surgical clinic, designed to be interactive and skills oriented, followed by surgical case presentations and group discussions. Prerequisite: student must be enrolled in the Podiatric Medicine program.
4.000 Credit hours
16.000 Other hours
In addition to the rotations on campus, the college operates several community medicine clinics in various sites throughout the city of Cleveland to fulfill the college’s commitment to serve the community. Students are assigned to these clinics and treat patients under the supervision of members of the clinical faculty. Students are afforded the opportunity to provide care and develop an understanding and appreciation of community-based health problems. Also included is training in various imaging modalities including plain film radiography, MRI and CT scanning. Prerequisite: student must be enrolled in the Podiatric Medicine program.

4.000 Credit hours
16.000 Other hours

Levels: Professional
Schedule Types: Clinic
Podiatric Medicine Department

Designed to enhance the clinical education and patient exposure of the podiatric medical student. This interdisciplinary training affords students an opportunity to share and expand their knowledge with experienced members of the health care team in Cleveland and around the country. Office and hospital-based programs available in almost every state, offer a diversity of clinical experiences. Students are expected to participate in a minimum of five months of external rotations during their fourth year. An orientation is conducted and a complete handbook of information is provided to the third-year student to assist in this important educational process. Prerequisite: student must be enrolled in the Podiatric Medicine program.

4.000 Credit hours
4.000 Other hours

Levels: Professional
Schedule Types: Clinic
Podiatric Medicine Department

Designed to enhance the clinical education and patient exposure of the podiatric medical student. This interdisciplinary training affords students an opportunity to share and expand their knowledge with experienced members of the health care team in Cleveland and around the country. Office and hospital-based programs available in almost every state, offer a diversity of clinical experiences. Students are expected to participate in a minimum of five months of external rotations during their fourth year. An orientation is conducted and a complete handbook of information is provided to the third-year student to assist in this
important educational process. Prerequisite: student must be enrolled in the Podiatric Medicine program.

4.000 Credit hours
4.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

**CLI 80470 - CLERKSHIP ROTATION III**

Designed to enhance the clinical education and patient exposure of the podiatric medical student. This interdisciplinary training affords students an opportunity to share and expand their knowledge with experience members of the health care team in Cleveland and around the country. Office and hospital based programs available in almost every state, offer a diversity of clinical experiences. Students are expected to participate in a minimum of five months of external rotations during their fourth year. An orientation is conducted and a complete handbook of information is provided to the third year student to assist in this important educational process. Prerequisite: student must be enrolled in the Podiatric Medicine program.

4.000 Credit hours
4.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

**CLI 80475 - CLERKSHIP ROTATION IV**

Designed to enhance the clinical education and patient exposure of the podiatric medical student. This interdisciplinary training affords students an opportunity to share and expand their knowledge with experience members of the health care team in Cleveland and around the country. Office and hospital based programs available in almost every state, offer a diversity of clinical experiences. Students are expected to participate in a minimum of five months of external rotations during their fourth year. An orientation is conducted and a complete handbook of information is provided to the third year student to assist in this important educational process. Prerequisite: student must be enrolled in the Podiatric Medicine program.

4.000 Credit hours
4.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

**CLI 80480 - CLERKSHIP ROTATION V**

Designed to enhance the clinical education and patient exposure of the podiatric medical student. This interdisciplinary training affords students an opportunity to share and expand
their knowledge with experience members of the health care team in Cleveland and around
the country. Office and hospital based programs available in almost every state, offer a
diversity of clinical experiences. Students are expected to participate in a minimum of five
months of external rotations during their fourth year. An orientation is conducted and a
complete handbook of information is provided to the third year student to assist in this
important educational process. Prerequisite: student must be enrolled in the Podiatric
Medicine program.
4.000 Credit hours
4.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

**CLI 80485 - CLERKSHIP ROTATION VI**

Designed to enhance the clinical education and patient exposure of the podiatric medical
student. This interdisciplinary training affords students an opportunity to share and expand
their knowledge with experience members of the health care team in Cleveland and around
the country. Office and hospital based programs available in almost every state, offer a
diversity of clinical experiences. Students are expected to participate in a minimum of five
months of external rotations during their fourth year. An orientation is conducted and a
complete handbook of information is provided to the third year student to assist in this
important educational process. Prerequisite: student must be enrolled in the Podiatric
Medicine program.
4.000 Credit hours
4.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

**CLI 80491 - SENIOR MEDICINE ROTATION**

Two-month external rotation at an area hospital. Students are instructed in skills, values and
knowledge necessary to perform a complete medical history and physical. Prerequisite:
student must be enrolled in the Podiatric Medicine program.
4.000 Credit hours
16.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

**CLI 80521 - SENIOR MEDICINE ROTATION I**

One month external rotation at an area hospital. Students are instructed in skills, values and
knowledge necessary to perform a complete medical history and physical.
Satisfactory/Unsatisfactory (S/U) graded. Prerequisite: Students must be enrolled in the
Podiatric Medicine program in order to register for this course.
4.000 Credit hours
48.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

**CLI 80522 - SENIOR MEDICINE ROTATION II**

One-month external rotation at an area hospital. Students are instructed in skills, values and knowledge necessary to perform a complete medical history and physical.
Satisfactory/Unsatisfactory (S/U) graded. Prerequisite: Students must be enrolled in the Podiatric Medicine program in order to register for this course.
4.000 Credit hours
48.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

**CLI 80585 - SENIOR COMPETENCY**

A multiple station Objective Structured Clinical Examination (OSCE), to be held during March, April and May at the end of the M4 medical year. Students are required to take the exam. Students are expected to correctly answer or achieve a minimum of 75 percent of all questions/cases/skills to achieve mastery. Any student failing to achieve 75 percent of the total questions is required to repeat the entire exam. Students failing to demonstrate mastery of the material after two exams receive an unsatisfactory grade on their transcript for CLI 440 and CLI 498. Satisfactory/Unsatisfactory (S/U) graded. Prerequisite: student must be enrolled in the Podiatric Medicine program.
2.000 Credit hours
2.000 Other hours

Levels: Professional
Schedule Types: Clinic

Podiatric Medicine Department

**CMD 80325 - PUBLIC HEALTH JURISPRUDENCE**

Presents issues of concern to the practicing podiatrist and includes; the development of public health in America, disease prevention and control, environmental effects on health and disease, substance abuse, the role of the federal government in the provision of public health, the US health care system, occupational medicine, women’s health issues, ethics in podiatric medicine and medical jurisprudence. Prerequisite: student must be enrolled in the Podiatric Medicine program.
2.000 Credit hours
2.000 Lecture hours
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<th>Course Code</th>
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<th>Description</th>
<th>Levels: Professional</th>
<th>Schedule Types: Lecture</th>
<th>Podiatric Medicine Department</th>
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</table>
| CMD 80424           | **BUSINESS ADMINISTRATION**                      | This course presents issues of concern to the podiatrist about to enter medical practice. Topics include the complete scope of business issues necessary to prepare the student to compete in a changing medical marketplace. Prerequisite: student must be enrolled in the Podiatric Medicine program.  
  2.000 Credit hours  
  2.000 Lecture hours  

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<th>Schedule Types: Lecture</th>
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| GMD 80121           | **PHYSICAL ASSESSMENT AND DIAGNOSIS**             | Physiology and physical assessment are coordinated to allow students to integrate the underlying physiologic processes with physical diagnostic findings. Physiologic is a study of the basic concepts of normal organ and organ system function. Emphasis is placed on regulatory functions of each organ or system as well as the contribution of each to the whole body homeostasis. Physical diagnosis combines the patient’s symptoms and signs to arrive at a diagnosis of disease. Focus is on total body examination using the traditional processes of inspection, palpation, percussion and auscultation. Prerequisite: student must be enrolled in the Podiatric Medicine program.  
  3.000 Credit hours  
  0.730 Lecture hours  
  2.270 Lab hours  

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| GMD 80314           | **NEUROLOGY**                                     | A comprehensive study of neurological diseases that are pertinent to treatment of the podiatric patient. Includes etiologies, diagnosis and treatment of the neurologic diseases. Prerequisite: student must be enrolled in the Podiatric Medicine program.  
  2.000 Credit hours  
  2.000 Lecture hours  

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Levels: Professional</th>
<th>Schedule Types: Lecture</th>
<th>Podiatric Medicine Department</th>
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<tbody>
<tr>
<td>Course Code</td>
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<tr>
<td>GMD 80315</td>
<td>DERMATOLOGY</td>
<td>Series of lectures on dermatologic manifestations of systemic diseases. Includes the etiology, diagnosis, treatment and management of dermatologic disorders. Prerequisite: student must be enrolled in the Podiatric Medicine program.</td>
<td>2.000</td>
<td>2.000</td>
<td>Professional</td>
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<tr>
<td>GMD 80316</td>
<td>GENERAL MEDICINE</td>
<td>Series of lectures dealing with etiology, recognition and treatment of medical problems that are common to podiatric patients. The lectures include those dealing with organ systems such as renal, cardiovascular, musculoskeletal, endocrine, digestive, etc., and their relationship to podiatric medicine. Particular attention is given to the medical clearance of the surgical patient and the care of non-podiatric emergencies. Prerequisite: student must be enrolled in the Podiatric Medicine program.</td>
<td>4.000</td>
<td>4.000</td>
<td>Professional</td>
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<tr>
<td>GMD 80326</td>
<td>GENERAL MEDICINE</td>
<td>Series of lectures dealing with etiology, recognition and treatment of medical problems that are common to podiatric patients. Lectures include those dealing with organ systems such as renal, cardiovascular, musculoskeletal, endocrine, digestive, etc., and their relationship to podiatric medicine. Particular attention is given to the medical clearance of the surgical patient and the care of non-podiatric emergencies. Prerequisite: student must be enrolled in the Podiatric Medicine program.</td>
<td>4.000</td>
<td>4.000</td>
<td>Professional</td>
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<tr>
<td>GMD 80327</td>
<td>BEHAVIORAL MEDICINE</td>
<td>Behavioral medicine is a series of lectures on major topics in the area including mood and anxiety disorders, alcoholism, substance abuse, psychoses and pain management. The presentations relate the relevance to the practice of podiatry. Prerequisite: student must be enrolled in the Podiatric Medicine program.</td>
<td>1.000</td>
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<td>Professional</td>
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<tr>
<td>GMD 80328</td>
<td>WOMEN'S HEALTH</td>
<td>Seminar covering important areas unique to women including pregnancy, contraception, infertility, cardiovascular health, osteoporosis and menopause. Prerequisite: student must be enrolled in the Podiatric Medicine program.</td>
<td>1.000</td>
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<tr>
<td>ORT 80131</td>
<td>BIOMECHANICS I</td>
<td>Biomechanics is a comprehensive course, which stresses normal gait and foot function. Abnormalities in gait of foot mechanics are related to foot pathology. Prerequisite: enrolled in the College of Podiatric Medicine.</td>
<td>3.000</td>
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<tr>
<td>ORT 80132</td>
<td>REHABILITATIVE MEDICINE</td>
<td>Rehabilitative Medicine reviews various physical therapy modalities and principles of rehabilitation. Examples of application of these principles as relating to foot pathology are given. Prerequisite: enrolled in the College of Podiatric Medicine.</td>
<td>2.000</td>
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<tr>
<td>ORT 80211</td>
<td>BIOMECHANICS II</td>
<td>Biomechanics II introduces common foot pathologies and their affects on function. The examination techniques utilized in the evaluation of patients are introduced as is the use of foot orthotic devices and computers in the assessment of biomechanical pathology.</td>
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</table>
Prerequisite: enrolled in the College of Podiatric Medicine.
2.000 Credit hours
2.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

**ORT 80314 - PODOPEDIATRICS**

Podopediatrics is a comprehensive course, which emphasizes the incidence, etiology, pathomechanics, evaluation and treatment of lower extremity pathology in children. Prerequisite: enrolled in the College of Podiatric Medicine.
2.000 Credit hours
2.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

**ORT 80325 - SPORTS MEDICINE**

Sports Medicine is a comprehensive course. Students gain an understanding of running biomechanics, shoe gear construction and evaluation, and the incidence, etiology, pathomechanics, evaluation and treatment of many lower extremity sports pathologies. Prerequisite: enrolled in the College of Podiatric Medicine.
2.000 Credit hours
2.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

**PMD 80113 - MEDICAL ETHICS**

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.
1.000 Credit hours
1.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department
PMD 80114 - PRINCIPLES OF MEDICAL RESEARCH

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.

1.000 Credit hours
1.000 Lecture hours

Levels: Professional
Schedule Types: Lecture
Podiatric Medicine Department

PMD 80115 - PODIATRIC MEDICAL PRACTICE SEMINAR

Through instruction by numerous field experts of the American Academy of Podiatric Practice Management, this monthly class is designed to place students on a fast track to success. The curriculum focuses on strategies to help students acclimate to the challenges that medical students typically face. Lifestyle improvement skills such as positive mental attitude, study strategies, time and stress management skills, and organization are stressed. Prerequisite: enrolled in the College of Podiatric Medicine.

1.000 Credit hours
1.000 Lecture hours

Levels: Professional
Schedule Types: Lecture
Podiatric Medicine Department

PMD 80116 - PODIATRIC MEDICAL PRACTICE SEMINAR

Through instruction by numerous field experts of the American Academy of Podiatric Practice Management, this monthly class is designed to place students on a fast track to success. The curriculum focuses on strategies to help students acclimate to the challenges that medical students typically face. Lifestyle improvement skills such as positive mental attitude, study strategies, time and stress management skills, and organization are stressed. Prerequisite: enrolled in the College of Podiatric Medicine.

1.000 Credit hours
1.000 Lecture hours

Levels: Professional
Schedule Types: Lecture
Podiatric Medicine Department

PMD 80132 - LOW EXTREMITY ASSESSMENT AND DIAGNOSIS

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.
2.000 Credit hours
1.000 Lecture hours
2.000 Lab hours

Levels: Professional
Schedule Types: Combined Lecture and Lab

Podiatric Medicine Department

**PMD 80133 - INTRODUCTION MEDICAL IMAGING**

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 Podiatric Medicine program.
1.000 Credit hours
1.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

**PMD 80134 - RADIATION SAFETY**

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: enrolled in the College of Podiatric Medicine.
1.000 Credit hours
1.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

**PMD 80211 - PODIATRIC MEDICINE I**

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.
2.000 Credit hours
2.000 Lecture hours
PMD 80214 - RADIOLOGY AND MEDICAL IMAGING I

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.

2.000 Credit hours
2.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

PMD 80215 - PODIATRIC MEDICAL PRACTICE SEMINAR

Through instruction by numerous field experts of the American Academy of Podiatric Practice Management, this monthly class is designed to facilitate the long term objective of optimizing the academic knowledge obtained throughout the first two years and prepares the student to become an outstanding "caregiver." The core focus includes communication skills, patient compliance, dealing with conflicts, concepts of efficiency, and practice model options. Prerequisite: enrolled in the College of Podiatric Medicine.

1.000 Credit hours
1.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

PMD 80216 - PODIATRIC MEDICAL PRACTICE SEMINAR

Through instruction by numerous field experts of the American Academy of Podiatric Practice Management, this monthly class is designed to facilitate the long term objective of optimizing the academic knowledge obtained throughout the first two years and prepares the student to become an outstanding "caregiver." The core focus includes communication skills, patient compliance, dealing with conflicts, concepts of efficiency, and practice model options. Prerequisite: enrolled in the College of Podiatric Medicine.

1.000 Credit hours
1.000 Lecture hours

Levels: Professional
Schedule Types: Lecture
### PMD 80221 - PODIATRIC MEDICINE II

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.

- Credit hours: 2.000
- Lecture hours: 2.000

**Levels:** Professional  
**Schedule Types:** Lecture

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### PMD 80222 - PODIATRIC MEDICAL SKILLS

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.

- Credit hours: 2.000
- Lab hours: 2.000

**Levels:** Professional  
**Schedule Types:** Laboratory

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### PMD 80224 - RADIOLOGY AND MEDICAL IMAGING II

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.

2.000 Credit hours
2.000 Lecture hours

Levels: Professional
Schedule Types: Lecture
Podiatric Medicine Department
PMD 80315 - PODIATRIC MEDICAL PRACTICE SEMINAR

Through instruction by numerous field experts of the American Academy of Podiatric Practice Management, this monthly class is designed to facilitate the long term objective of optimizing the academic knowledge obtained throughout the first two years and prepares the student to become an outstanding "caregiver." The core focus includes communication skills, patient compliance, dealing with conflicts, concepts of efficiency, and practice model options. Prerequisite: enrolled in the College of Podiatric Medicine.

1.000 Credit hours
1.000 Lecture hours

Levels: Professional
Schedule Types: Lecture
Podiatric Medicine Department
PMD 80316 - PODIATRIC MEDICAL PRACTICE SEMINAR

Through instruction by numerous field experts of the American Academy of Podiatric Practice Management, this monthly class is designed to facilitate the long term objective of optimizing the academic knowledge obtained throughout the first two years and prepares the student to become an outstanding "caregiver." The core focus includes communication skills, patient compliance, dealing with conflicts, concepts of efficiency, and practice model options. Prerequisite: enrolled in the College of Podiatric Medicine.

1.000 Credit hours
1.000 Lecture hours

Levels: Professional
Schedule Types: Lecture
Podiatric Medicine Department
PMD 80396 - INDEPENDENT STUDY

Independent study in Podiatric Medicine. Prerequisite: enrolled in the College of Podiatric Medicine.

5.000 Credit hours
5.000 Other hours

Levels: Professional
Schedule Types: Individual Investigation
Podiatric Medicine Department

**SUR 80221 - INTRODUCTION TO PODIATRIC SURGERY**

This course is designed to provide the 2nd year podiatric medical student with a comprehensive understanding of the basic and fundamental principles and techniques of surgery, with emphasis on wound healing, closure techniques, hemostasis, lower extremity tourniquets and basic surgical procedures. Surgical and hospital protocol, charting, instrumentation and injection techniques are taught in this course, along with basic forefoot surgery, including nail disorders, soft tissue, skin tumors and digital surgery. The use of local anesthetic agents including indications, classification, pharmacology, adverse reactions (and treatment of such reactions) and injection techniques will be discussed. In addition, the course provides an orientation to operating room protocol, allowing students to master necessary techniques of asepsis, gowning, gloving and surgical scrubbing. Introduction to these skills will be taught in weekly workshops in the surgical skills lab. Prerequisite: enrolled in the College of Podiatric Medicine.

2.000 Credit hours
2.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

**SUR 80313 - PODIATRIC SURGERY**

A comprehensive working knowledge of common deformities of the foot is essential to the podiatric physician in providing comprehensive care of patients. This course provides the 3rd year podiatric medical student with the knowledge of surgical management of patients and their foot deformities. The course includes material on the etiology, clinical and radiographic evaluation, indications and contraindications, as well as postoperative considerations and care. These courses discuss the surgical management of deformities of the foot, ankle and lower leg and include surgical complications. In addition, several lectures are dedicated to special topics, such as AO/ASIF Fixation, Bio-materials, Arthroscopic surgical procedures and reconstructive foot and ankle procedures. Weekly skills workshops will be held in the surgical skills laboratory. Emphasis is placed on current and prevailing concepts and techniques employed by the podiatric physician. Prerequisite: enrolled in the College of Podiatric Medicine.

2.000 Credit hours
2.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

**SUR 80323 - PODIATRIC SURGERY**

A comprehensive working knowledge of common deformities of the foot is essential to the podiatric physician in providing comprehensive care of patients. This course provides the 3rd year podiatric medical student with the knowledge of surgical management of patients and their foot deformities. The course includes material on the etiology, clinical and radiographic evaluation, indications and contraindications, as well as postoperative considerations and care. These courses discuss the surgical management of deformities of the foot, ankle and lower leg and include surgical complications. In addition, several lectures are dedicated to special topics, such as AO/ASIF Fixation, Bio-materials, Arthroscopic surgical procedures and reconstructive foot and ankle procedures. Weekly skills workshops will be held in the surgical skills laboratory. Emphasis is placed on current and prevailing concepts and techniques employed by the podiatric physician. Prerequisite: enrolled in the College of Podiatric Medicine.

2.000 Credit hours
2.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department
evaluation, indications and contraindications, as well as postoperative considerations and care. These courses discuss the surgical management of deformities of the foot, ankle and lower leg and include surgical complications. In addition, several lectures are dedicated to special topics, such as AO/ASIF Fixation, Bio-materials, Arthroscopic surgical procedures and reconstructive foot and ankle procedures. Weekly skills workshops will be held in the surgical skills laboratory. Emphasis is placed on current and prevailing concepts and techniques employed by the podiatric physician. Prerequisite: enrolled in the College of Podiatric Medicine.

2.000 Credit hours
2.000 Lecture hours

Levels: Professional
Schedule Types: Lecture

Podiatric Medicine Department

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<tr>
<th>SUR 80325 - TRAUMATOLOGY</th>
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| The purpose of the course is to provide the 3rd year podiatric medical students with a broad overview and appreciation of the major trauma areas of the foot, including the midfoot, rearfoot, ankle and lower leg. A strong effort is made to correlate the mechanical, surgical, physiologic and anatomic principles of surgery with emphasis on their implications and applications in major reconstructive surgery and the management of the trauma patient who presents with foot and or ankle trauma. Surgical procedures for the management of specific trauma situations will be discussed, as well as indications, contraindications, and post-operative management. An overall view of the trauma patient as viewed in a Level I trauma center will also be included as this is a major responsibility for the podiatric physician treating the trauma patient. Prerequisite: enrolled in the College of Podiatric Medicine.
| 2.000 Credit hours
| 2.000 Lecture hours |
| Levels: Professional
| Schedule Types: Lecture |

Podiatric Medicine Department