Core SOM Preclinical Phase

CORE 800. Foundations of Medicine. 0-3 Hours.
Foundations of Medicine is an 8-week, multidisciplinary course, taught by faculty members from basic science and clinical departments. This course integrates materials from the traditional disciplines of biochemistry, cell and molecular biology, histology, physiology, epidemiology, behavioral science, and preventive medicine. This course includes clinical skills instruction in medical history, physical examination, and cultural sensitivity. Patient cases are used where appropriate. Students participate in small group discussions, problem-based learning sessions, laboratory exercises, clinical correlations, and lectures: they work collaboratively to master general principles, evaluate clinical literature, and develop tools for life-long learning. Students are evaluated by multiple-choice examination, clinical evaluation, and group activity preparation and participation.
Prerequisite: Successful completion of Foundations of Medicine, Genetics and Neoplasia, Inflammation and Immunity, or permission of Associate Dean for Student Affairs. LEC.

CORE 805. Genetics and Neoplasia. 0-4 Hours.
This 4-week multidisciplinary course is taught by faculty members from the Departments of Anatomy and Cell Biology, Molecular and Integrative Physiology, and Pathology and Laboratory Medicine, Biochemistry and Molecular Biology, Pharmacology, Toxicology, and Therapeutics, Internal Medicine, Preventive Medicine, History and Philosophy of Medicine, Health Policy Management, Microbiology, Molecular Genetics, and Immunology, Family Medicine, and Surgery in the School of Medicine and the Department of Dietetics and Nutrition in the School of Allied Health. The course covers the normal/abnormal processes; principles of therapeutics; and gender, ethnic, and behavioral considerations affecting disease treatment and prevention of the gastrointestinal system including nutrition. This course also includes clinical skills instruction in the abdominal physical examination. Students participate in small group discussions, laboratory exercises, clinical correlations, clinical skills lab sessions, and lectures are evaluated by written tests, oral exams, and assessment of PBL and clinical skills performance.
Prerequisite: Successful completion of Foundations of Medicine, Genetics and Neoplasia, Inflammation and Immunity, or permission of Associate Dean for Student Affairs. LEC.

CORE 810. Inflammation and Immunity. 0-4 Hours.
This 4-week multidisciplinary course, taught by faculty members from the Departments of Anatomy Cell Biology, Microbiology, Pathology, Medicine, Family Medicine and Preventive Medicine, addresses the basic biology of the normal immune system and the basis for immunebased and inflammatory diseases. Topics will include normal lymphopoiesis and myelopoiesis, responses to infection, autoimmunity, allergy, transfusions and transplantation, immune deficiencies and the appropriate therapies for these conditions. Therapies will include immunosuppressives, anti-inflammatories, vaccines and transplantation. The course integrates instruction on disease pathogenesis with clinical skills instruction (including history-taking and physical examination skills), consideration of epidemiological, ethical, social science aspects of medicine, disease prevention and the general approaches to therapy. Students participate in small group discussions, web-based instruction, labs, clinical skills lab sessions, and lectures. Students are evaluated based on their participation in small group discussion sessions and through standardized online summative examinations.
Prerequisite: Successful completion of Foundations of Medicine, Genetics and Neoplasia, or permission of Associate Dean for Student Affairs. LEC.

CORE 815. Cardiopulmonary. 0-8 Hours.
This multidisciplinary course, taught by faculty members from Anatomy, Biochemistry, Medicine, Pathology, Pharmacology, and Physiology covers the normal/abnormal processes; principles of therapeutics; and gender, ethnic, and behavioral considerations affecting disease treatment and prevention of the cardiopulmonary system. This course also includes clinical skill instruction of patient interviewing and examination. Students participate in small group discussions, laboratory exercises, clinical correlations, clinical skills lab sessions, lectures and web-based directed self-study and are evaluated by performance in small groups and on exams. Prerequisite: Successful completion of Foundations of Medicine, Genetics and Neoplasia, Inflammation and Immunity, or permission of Associate Dean for Student Affairs. LEC.

CORE 820. Gastrointestinal System and Nutrition. 0-4 Hours.
This 4-week multidisciplinary course is taught by faculty members from the Departments of Anatomy and Cell Biology, Molecular and Integrative Physiology, and Pathology and Laboratory Medicine, Biochemistry and Molecular Biology, Pharmacology, Toxicology, and Therapeutics, Internal Medicine, Preventive Medicine, History and Philosophy of Medicine, Health Policy Management, Microbiology, Molecular Genetics, and Immunology, Family Medicine, and Surgery in the School of Medicine and the Department of Dietetics and Nutrition in the School of Allied Health. The course covers the normal/abnormal processes; principles of therapeutics; and gender, ethnic, and behavioral considerations affecting disease treatment and prevention of the gastrointestinal system including nutrition. This course also includes clinical skills instruction in the abdominal physical examination. Students participate in small group discussions, laboratory exercises, clinical correlations, clinical skills lab sessions, and lectures are evaluated by written tests, oral exams, and assessment of PBL and clinical skills performance.
Prerequisite: Successful completion of Foundations of Medicine, Genetics and Neoplasia, Inflammation and Immunity, or permission of Associate Dean for Student Affairs. LEC.

CORE 825. Renal and Endocrine System. 0-4 Hours.
This 4-week multidisciplinary course, taught by faculty members from Anatomy, Biochemistry, Medicine, Pathology, Pharmacology, and Physiology covers the normal/abnormal processes; principles of therapeutics; and gender, ethnic, and behavioral considerations affecting disease treatment and prevention of the renal and endocrine systems. This course also includes clinical skill instruction of patient interviewing and examination. Students participate in small group discussions, laboratory exercises, clinical correlations, clinical skills lab sessions, lectures and web-based directed self-study and are evaluated by performance in small groups and on exams. Prerequisite: Successful completion of Foundations of Medicine, Genetics and Neoplasia, Inflammation and Immunity, Cardiopulmonary, Gastrointestinal Tract and Nutrition, or permission of Associate Dean for Student Affairs. LEC.

CORE 830. Reproduction and Sexuality. 0-4 Hours.
This 4-week multidisciplinary course module is taught by faculty members from the Departments of Anatomy and Cell Biology, Pathology, Psychiatry and Behavioral Sciences, Gynecology and Obstetrics, Surgical Oncology, Urology, and Family Medicine. The course covers the normal/abnormal aspects of human reproduction and sexuality; principles of therapeutics; gender, ethnic, and behavioral consideration affecting sexual function, prevention and treatment of reproductive and sexual disorders. The course also includes clinical skill instruction in sexual history-taking and physical examination. Students participate in small group discussions, laboratory exercises, clinical correlations, patient and provider panels, clinical skills laboratory sessions, lectures, and web-based learning opportunities, and are evaluated by means of formative and summative examinations and assessment of participation in various learning activities.
activities. Prerequisite: Successful completion of Foundations of Medicine, Genetics and Neoplasia, Inflammation and Immunity, Cardiopulmonary, Gastrointestinal Tract and Nutrition, Renal and Endocrine Systems, or permission of Associate Dean for Student Affairs. LEC.

CORE 835. Musculoskeletal & Soft Tissue Systems. 0-4 Hours.
The (4-5) week multidisciplinary course, taught by faculty members from Anatomy and Cell Biology, Orthopedic Surgery, Pathology, Pharmacology, Internal Medicine, Family Medicine, and Pediatrics departments, covers the normal/abnormal processes; principles of therapeutics (non-drug treatment will be emphasized); and gender, ethnic, and behavioral considerations affecting disease treatment and prevention of diseases of the musculoskeletal soft tissue systems. This course also includes clinical skill instruction in an extremities physical examination. Students participate in small group discussions, laboratory exercises, clinical correlations, clinical skills lab sessions, and lectures and are evaluated by exams, attendance, participation, and professional behavior. Prerequisite: successful completion of the first year curriculum. LEC.

CORE 840. Brain and Behavior. 0-8 Hours.
This 8 week multidisciplinary course, taught by faculty members from Anatomy and Cell Biology, Molecular and integrative Physiology, Otolaryngology, Neurology, Pharmacology, Pathology, Internal Medicine, and Psychiatry, covers the normal/abnormal processes of the central and peripheral nervous system, including an introduction to the principles of therapeutics. The course combines and integrates several disciplines, including neuroanatomy, neurophysiology, neuropathology, introductory neuropharmacology, basic neurology and psychiatry. Prerequisite: Successful completion of Musculoskeletal Soft Tissue Systems or permission of Associate Dean for Student Affairs. LEC.

CORE 845. Blood and Lymphoid System. 0-4 Hours.
This 4 week multidisciplinary course, taught by faculty members from Pathology and Laboratory Medicine, Internal Medicine, Pharmacology, and History and Philosophy of Medicine covers the normal/abnormal processes; principles of therapeutics; and gender, ethnic, and behavioral considerations affecting disease treatment and prevention of the blood and lymphoid system. The course also includes clinical skill instruction in history-taking and physical examination. Students participate in lectures, problem-based learning sessions, and small group discussions. Students are evaluated by multiple choice examination and group activity preparation and participation. Prerequisite: Successful completion of Musculoskeletal Soft Tissue Systems, Brain and Behavior or permission of Associate Dean for Student Affairs. LEC.

CORE 850. Infectious Diseases. 0-6 Hours.
This 6-week multidisciplinary course, taught by faculty members from the Departments of Pharmacology, Microbiology, Pathology, Internal Medicine, and Preventive Medicine, addresses the basic biology of the normal immune system and the basis for infectious and parasitic diseases. Topics will include normal immune responses to infection, immune deficiencies, bacteriologic, viral, fungal and parasitic infections, and the appropriate therapies for these conditions. Therapies discussed will include immunosuppressives, anti-microbials, and vaccines. The course integrates instruction on disease pathogenesis with clinical skills instruction (including history-taking and physical examination skills), consideration of epidemiological, ethical, social science aspects of medicine, disease prevention and the general approaches to therapy. Students participate in small group discussions, web-based instruction, labs, clinical skills lab sessions, and lectures. Students are evaluated based on their participation in small group discussions and through standardized online summative examinations. Prerequisite: Successful completion of Phase I, or permission of Associate Dean of Student Affairs. Successful completion of Musculoskeletal Soft Tissue Systems, Brain and Behavior, Blood and Lymphoid System or permission of Associate Dean for Student Affairs. LEC.

CORE 860. Integration and Consolidation. 0-8 Hours.
This 8 week multidisciplinary module, taught primarily by faculty members from Pathology and Pharmacology, will consolidate and integrate materials from previous modules using pathophysiology and therapeutics as the focal point to highlight content required to successfully pass USMLE Step 1. The module will serve as a bridge between the basic and clinical sciences, as the students prepare to transition to clinical rotations. Faculty from Internal Medicine, Family Medicine, and School of Pharmacy will co-facilitate small group discussions. Students will be expected to participate in small group discussions, lectures and web-based self-study, and are evaluated by their overall performance in small groups and summative exams. Prerequisite: Successful completion of Musculoskeletal Soft Tissue, Brain and Behavior, Blood and Lymphoid System, Infectious Diseases, or permission of Associate Dean of Student Affairs. LEC.

Course credit hours are indicated after the course title.