**CORE SOM PRECLINICAL PHASE**

Beginning AY 2017-2018 first year students will take ACED courses

**ACED 800. Introduction to Doctoring. 0-3 Hours.**
Introduction to Doctoring is a 3-week, case-based, multidisciplinary course, taught by faculty members from foundational science and clinical departments. The course will provide students with the knowledge and skills to obtain a medical history in combination with a head-to-toe physical examination, basic life support and an introduction to the electronic medical record. In addition, students will be introduced to key topics in population health and social sciences. Students participate in large and small group activities, including lectures, case-based collaborative learning, problem-based learning, clinical skills lab and simulations. Students are assessed by multiple-choice examinations, small group and clinical skills performance, and professional development. Prerequisite: Medical School admission requirements. LEC.

**ACED 805. Molecular and Cellular Medicine. 0-8 Hours.**
Molecular and Cellular Medicine is a 9-week, case-based, multidisciplinary course, taught by faculty members from foundational science and clinical departments. The focus of the course is the molecular and cellular mechanisms underlying health and disease. This course integrates content from the foundational, social, and clinical sciences. It includes clinical skills instruction in medical history and physical examination. Students participate in large and small group activities, including lectures, case-based collaborative learning, problem-based learning, clinical skills lab and simulations. Students will work collaboratively to master general principles, evaluate clinical literature, and develop tools for life-long learning. Students are assessed by multiple-choice examinations, small group and clinical skills performance, and professional development. Prerequisite: Successful completion of Introduction to Doctoring or permission of Associate Dean for Student Affairs. LEC.

**ACED 810. Infection, Blood and Immunity. 0-8 Hours.**
Infection, Blood and Immunity is a 9-week, case-based, multidisciplinary course, taught by faculty members from foundational science and clinical departments. The course integrates critical principles related to microbial infection, as well as normal and abnormal activity of the immune system and blood, including content from the foundational, social, and clinical sciences. It includes clinical skills instruction in medical history and physical examination. Students participate in large and small group activities, including lectures, case-based collaborative learning, problem-based learning, clinical skills lab and simulations. Students will work collaboratively to master general principles, evaluate clinical literature, and develop tools for life-long learning. Students are assessed by multiple-choice examinations, small group and clinical skills performance, and professional development. Prerequisite: Successful completion of Molecular and Cellular Medicine or permission of Associate Dean for Student Affairs. LEC.

**ACED 815. Respiration and Circulation. 0-8 Hours.**
Respiration and Circulation is a 9-week, case-based, multidisciplinary course, taught by faculty members from foundational science and clinical departments. The course integrates critical principles related to the normal and abnormal functioning of the cardiovascular, pulmonary and allied systems, including content from the foundational, social, and clinical sciences. It includes clinical skills instruction in medical history and physical examination. Students participate in large and small group activities, including lectures, case-based collaborative learning, problem-based learning, clinical skills lab and simulations. Students will work collaboratively to master general principles, evaluate clinical literature, and develop tools for life-long learning. Students are assessed by multiple-choice examinations, small group and clinical skills performance, and professional development. Prerequisite: Successful completion of Infection, Blood and Immunity or permission of Associate Dean for Student Affairs. LEC.

**ACED 820. Gastrointestinal and Renal. 0-8 Hours.**
Gastrointestinal and Renal is a 9-week, case-based, multidisciplinary course, taught by faculty members from foundational science and clinical departments. The course integrates critical principles related to the normal and abnormal functioning of the gastrointestinal, renal and allied systems, including content from the foundational, social, and clinical sciences. It includes clinical skills instruction in medical history and physical examination. Students participate in large and small group activities, including lectures, case-based collaborative learning, problem-based learning, clinical skills lab and simulations. Students will work collaboratively to master general principles, evaluate clinical literature, and develop tools for life-long learning. Students are assessed by multiple-choice examinations, small group and clinical skills performance, and professional development. Prerequisite: Successful completion of Respiration and Circulation or permission of Associate Dean for Student Affairs. LEC.

During AY2017-2018, second year students will take CORE courses

**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.