Interdisciplinary

IDSP 800. Special Programs. 2-4 Credits.
Electives taken during the basic science years of institutions other than KUMC or at KUMC but in departments that do not have an elective course number. These courses include, but are not limited to, a research training experience or a clinical training expenience, during the summer session between the first and second years of medical school. The application form, obtained from the Office of Student Affairs, School of Medicine, must contain a written description of the educational experience, the reason for proposing such a program, and written indication of faculty or supervisory personnel of their willingness to evaluate the student's performance. Elective credit will be accrued at the rate of four credits for eight weeks, or two credits for four weeks. Prerequisite: Approval of student's special program mentor, special program advisor and Associate Dean for Student Affairs.

IDSP 801. Remedial Program. 0-12 Credits.
Medical students will be enrolled in this course when the Academic Committee of the School of Medicine recommends a remedial program for a student who has failed a course. Remediation may take place at KUMC or at another institution. Evaluation of the student's performance must be obtained from the remedial program director upon completion of the remedial program. Prerequisite: Approval of Associate Dean for Student Affairs.

IDSP 804. Special Experience. 0 Credits.
Medical students will be enrolled in this course when the Associate Dean for Student Affairs, the Associate Dean for Academic and Student Affairs, or the Academic Committee approves a program for a student that may include a prolonged absence from the School of Medicine. The student's experience may include, but is not limited to, a fellowship, research, or Master's program. The student will not receive credit, a grade, or evaluation of their performance.

IDSP 805. Enrichment Program. 0 Credits.
Medical students will be enrolled in this course when the Associate Dean for Student Affairs, the Associate Dean for Academic and Student Affairs or the Academic Committee approves a program of study for a student who cannot enroll in the regular curriculum until a passing grade is achieved on Step 1 or Step 2 of the USMLE. The student's experience may include, but is not limited to, a formal board preparation program. The student will not receive credit.

IDSP 806. Personal/Professional Development. 0 Credits.
Medical students will be enrolled in this course during the clinical years when no other rotations are scheduled for the student.

IDSP 850. Introduction to Clinical Research. 1 Credits.
The course will provide a comprehensive overview to clinical research. The student will gain an understanding of how to develop clinical research questions including protocol design and the factors that should be considered in initiating a clinical research study. This will include biostatistical considerations, the recruitment of study participants, regulatory issues, and data management, and defining measures and instruments. Students will gain knowledge of how to define clinical research among the various institutional entities involved with clinical research at The University of Kansas Medical Center such as the Research Institute (RI), General Clinical Research Center (GCRC) and the Human Subjects Committee (HSC). Additionally, one component of the course will focus on how to apply for funding (grantsmanship), critical appraisal of research studies, and how to present research data.

IDSP 870. Foundations of Medicine. 0 Credits.
(Foundations of Medicine) is a not evaluated, remedial course where students are required to perform specific work outlined in a special agreement, and must demonstrate acceptable progress throughout the term. It is an 8-week, multidisciplinary course, taught by faculty members from basis science and clinical departments. This course integrates materials from the traditional disciplines of biochemistry, cell and molecular biology, histology, physiology, epidemiology, behavioral science, and preventative medicine. This course included clinical skills instruction in medical history, physical examination, and cultural sensitivity. Patients 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 examinations, clinical evaluation, and group activity preparation and participation.

IDSP 871. Genatics and Neoplasia. 0 Credits.
(Genetics and Neoplasia) is a not evaluated, remedial course where students are required to perform specific work outlined in a special agreement, and must demonstrate acceptable progress throughout the term. This 4-week multidisciplinary course, taught by both basic science and clinical faculty, covers the molecular and chromosomal basis of human genetic disease, emphasizing the clinical significance of normal and abnormal genetic variation; single-gene and mulitfactorial diseases; and conditions caused by somatic mutation and epigenetic mechanisms. An emphasis is placed on neoplastic disorders. This course also examines the predictive value of genetic testing and the role of genetic counseling in clinical decision making; the principles of cancer therapeutics; and gender, ethics, and behavioral considerations affecting prevention and treatment of cancer and other genetic diseases. This course included clinical skills instruction in history-taking and physical examination of a standardized cancer patient. Students participate in large and small group discussion, laboratory exercises, problem based learning sessions, clinical correlations, clinical skills lab sessions, and lectures; and are evaluated by small group and clinical skills performance, and by USMLE-style objective examination. Prerequisite: Successful completion of Foundations of Medicine or permission of Associate Dean for Student Affairs.

IDSP 872. Inflammation and Immunity. 0 Credits.
(Inflammation and Immunity) is a not evaluated, remedial course where students are required to perform specific work outlined in a special agreement, and must demonstrate acceptable progress throughout the term. This 4-week multidisciplinary course, taught by faculty members from the Department of Anatomy & Cell Biology, Microbiology, Pathology, Medicine, Family Medicine and Preventative Medicine, addresses the basic biology of the normal immune system and the basis for immune-based and inflammatory diseases. Topics will include normal lymphopoiesis and myelopoiesis, response 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 labs 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 & Neoplasia, or permission of Associate Dean from Student Affairs.

IDSP 873. Cardiopulmonary I. 0 Credits.
(Cardiopulmonary I) is a not evaluated, remedial course where students are required to perform specific work outlined in a special agreement, and must demonstrate acceptable progress throughout the term. 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 skill lab sessions, lectures and web-based directed self-study and are evaluated by performance in small groups and on exams. Prerequisite: Year 1 Medical School modules in Foundations, Inflammation-Immunity, Genetics-Neoplasia.

IDSP 874. Cardiopulmonary II. 0 Credits.
(Cardiopulmonary II) is a not evaluated, remedial course where students are required to perform specific work outlined in a special agreement, and must demonstrate acceptable progress throughout the term. The 8 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 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 & Neoplasia, Inflammation & Immunity, or permission of Associate Dean for Student Affairs.

IDSP 875. Gastrointestinal System and Nutrition. 0 Credits.
(Gastrointestinal System and Nutrition) is a not evaluated, remedial course where students are required to perform specific work outlined in a special agreement, and must demonstrate acceptable progress throughout the term. The four week multidisciplinary course us taught by faculty members from the Department of Anatomy and Cell Biology, Molecular and Integrative Physiology, and Pathology and Laboratory Medicine. Biochemistry and Molecular Biology, Pharmacology, Toxicology, and Therapeutics, Internal Medicine, Preventative 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. This 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 abnormal physical examination. Students participate in small group discussions, laboratory exercises, clinical correlations, clinical skills lab sessions, and lectures and are evaluated by written tests, oral exams, and assessment of PBL and clinical skills performance.

IDSP 876. Renal and Endrocrine System. 0 Credits.
(Renal and Endocrine System) is a not evaluated, remedial course where students are required to perform specific work outlined in a special agreement, and must demonstrate acceptable progress throughout the term. The 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 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 & Neoplasia, Inflammation & Immunity, cardiopulmonary, Gastrointestinal Tract & Nutrition or permission of Associate Dean for Student Affairs.

IDSP 877. Reproduction and Sexuality. 0 Credits.
(Reproduction and Sexuality) is a not evaluated, remedial course where students are required to perform specific work outlined in a a special agreement, and must demonstrate acceptable progress throughout the term. This four week multidisciplinary course module is taught by faculty members from the Departments of Pathology, Psychiatry & Behavioral Sciences, Gynecology and Obstetrics, Surgical Oncology, Urology, and Family medicine. This Course covers the normal and abnormal aspects of human sexuality and reproduction; principles of therapeutics; gender, ethnic, and behavioral consideration affecting sexual function, prevention and treatment of sexual and reproductive 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 panel, 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 problem based learning sessions. Prerequisite: Successful completion of Foundations of Medicine, Genetics & Neoplasia, Inflammation & Immunity, Cardiopulmonary, Gastrointestinal Tract & Nutrition, Renal & Endocrine Systems or permission of Associate Dean fro Student Affairs.

IDSP 878. Musculoskeletal & Soft Tissue Systems. 0 Credits.
A not evaluated, remedial course where students are required to perform specific work outlined in a special agreement, and must demonstrate acceptable progress throughout the term.

IDSP 879. Brain and Behavior. 0 Credits.
A not evaluated, remedial course where students are required to perform specific work outlined in a special agreement, and must demonstrate acceptable progress throughout the term.

IDSP 880. Blood and Lymphoid System. 0 Credits.
A not evaluated, remedial course where students are required to perform specific work outlined in a special agreement, and must demonstrate acceptable progress throughout the term.

IDSP 881. Infectious Diseases I. 0 Credits.
A not evaluated, remedial course where students are required to perform specific work outlined in a special agreement, and must demonstrate acceptable progress throughout the term.

IDSP 882. Infectious Diseases II. 0 Credits.
A not evaluated, remedial course where students are required to perform specific work outlined in a special agreement, and must demonstrate acceptable progress throughout the term.

IDSP 883. Medicine Across the Lifespan. 0 Credits.
A not evaluated, remedial course where students are required to perform specific work outlined in a special agreement, and must demonstrate acceptable progress throughout the term.

IDSP 884. Integration and Consolidation. 0 Credits.
A not evaluated, remedial course where students are required to perform specific work outlined in a special agreement, and must demonstrate acceptable progress throughout the term.

IDSP 900. Special Program. 1-12 Credits.

A special program is any scholastic activity that departs from the required or elective modules of the curriculum at KUMC and for which the student expects to receive credit toward the M.D. degree. Any student enrolled in medical school is eligible to apply. The application form is initiated in the Office of Student Records and Registration. In addition to this form, the application must contain a written description of the type of educational experience sought and the reason for proposing such a program; written indication of faculty or supervisory personnel of their willingness to participate in the program and to evaluate the student's performance; source of scholarship, fellowship, travel, or research fund when these funds constitute support of an integral part of the program. If the special program involves study in an area identifiable by department (medicine, Surgery, Gynecology-Obstetrics, etc.) approval by the chairperson of the respective department or designate must be obtained. No more than two modules may be substituted by a special program. The application must be submitted at least two months before the expected starting date of the program. Offered in Modules I-XII. Prerequisite: Approval of Dean.

IDSP 950. Introduction to Clinical Research. 1 Credits.
The course will provide a comprehensive overview to clinical research. The student will gain an understanding of how to develop clinical research questions including protocol design and the factors that should be considered in initiating a clinical research study. This will include biostatistical considerations, the recruitment of study participants, regulatory issues, and data management, and defining measures and instruments. Students will gain knowledge of how to define clinical research among the various institutional entities involved with clinical research at The University of Kansas Medical Center such as Research Institute (RI), General Clinical Research Center (GCRC) and the Human Subjects Committee (HSC). Additionally, one component of the course will focus on how to apply for funding (grantsmanship), critical appraisal of research studies, and how to present research data. Must have instructor permission to enroll.