Medicine-Interdisciplinary (MED_ID)

MED_ID 5041: Structure and Function of the Human Body I
Biochemical principles, cell biology, human development, histology and gross anatomy with clinical correlates utilizing patient examples and non-invasive techniques.

Credit Hours: 6

MED_ID 5042: Interviewing
Development of skills needed to obtain a history of the patient's present illness, past medical history and other pertinent background information. Vitally important to medical practice, these skills are role modeled, practiced and evaluate with detailed feedback. Additional emphasis is placed on the doctor-patient relationship, ethics and the role of the physician as a therapeutic agent.

Credit Hours: 3

MED_ID 5043: Structure and Function of the Human Body II
Study of the structure and function of the body's metabolic, nervous and muscular systems.

Credit Hours: 6

MED_ID 5044: Physical Examination
Introduction to the doctor-patient relationship and systematic physical examination of the patient. Certification in basic life support is also included.

Credit Hours: 3

MED_ID 5045: Structure and Function of the Human Body III
Study of the structure and function of the body's cardiovascular, gastrointestinal, and urinary systems.

Credit Hours: 6

MED_ID 5046: Psychosocial Aspects of Medicine
A brief study of the history of medicine and the impact of key events on current medical practice. Study of the biophychosocial model, biomedical ethics and specific psychosocial problems encountered by physicians such as compliance, problems based in human sexuality, substance abuse and death and dying.

Credit Hours: 3

MED_ID 5047: Structure and Functions of the Human Body IV
Study of the structure and function of the endocrine, reproductive, vascular systems. The classification of pathogenic and non-pathogenic organisms, mechanisms of infection, the immune response and the interaction between pharmacologic agents and exogenous organisms.

Credit Hours: 6

MED_ID 5048: Clinical Epidemiology and Preventive Medicine
Application of clinical epidemiology to understanding measurement of population characteristics and to the critical analysis of the literature through analysis of study designs and interpretation of the results and causal relationships. Study of prevention, screening and health maintenance as important aspects of health care.

Credit Hours: 3

MED_ID 5051: Ambulatory Clinical Experience I
Ambulatory Clinical Experience I

Credit Hour: 1

MED_ID 5052: Ambulatory Clinical Experience II
Ambulatory Clinical Experience II

Credit Hour: 1

MED_ID 5180: FULL-TIME ENROLLMENT FOR POST-SOPHOMORE FELLOWS
Full-Time enrollment for Post-Sophomore Fellows.

Credit Hours: 18

MED_ID 5205: Individualized Study
Individualized Study

Credit Hour: 1-5

MED_ID 5207: Summer Clinical Practicum Internal Medicine
Summer Clinical Practicum Internal Medicine. 4 week course. Zero credit hours, 4 FA hours.

Credit Hours: 0

MED_ID 5213: Leadership Practicum
Leadership Practicum

Credit Hours: 0

MED_ID 5215: Summer Clinical Practicum - Medical Education
Summer Clinical Practicum - Medical Education- Zero billing hours and 4 FA hours

Credit Hours: 0

MED_ID 5217: Summer Clinical Practicum - Rural Track
This represents non-credit clinical and research experiences that medical students may take during the summer following their first (M1) year of medical school. 8 weeks. Zero Credit.

Credit Hours: 0

MED_ID 5341: Structure/Function Human Body I - Remediation
Structure/Function Human Body I - Remediation

Credit Hours: 6

MED_ID 5342: Interviewing - Remediation
Interviewing - Remediation

Credit Hours: 3

MED_ID 5343: Structure/Function Human Body II - Remediation
Structure/Function Human Body II - Remediation

Credit Hours: 6

MED_ID 5344: Physical Exam - Remediation
Physical Exam - Remediation

Credit Hours: 3

MED_ID 5345: Structure/Function Human Body III
Structure/Function Human Body III

Credit Hours: 6

MED_ID 5346: Psychosocial Aspects Med - Remediation
Psychosocial Aspects Med - Remediation

Credit Hours: 3

MED_ID 5347: Structure/Function Human Body IV - Remediation
Structure/Function Human Body IV - Remediation

Credit Hours: 6

MED_ID 5348: Clinical Epidemology and Preventive Medicine - Remediation
Clinical Epidemology and Preventive Medicine - Remediation

Credit Hours: 3

MED_ID 5551: Pathophysiology I
Pathophysiologic mechanisms of cell injury, inflammation and repair, hemodynamic disturbances, genetic disorders, autoimmune response, immune deficiency and hypersensitivity reactions.

Credit Hours: 6

MED_ID 5552: Diagnostic Tests and Medical Decisions
Assessment of the appropriate use and interpretation of common diagnostic tests and their contribution to medical decisions and the care of patients. Includes emphasis on the review of systems, interactive hypothesis testing, differential diagnosis probability, sensitivity and specificity, and cost benefit and cost effectiveness analysis.

Credit Hours: 3

MED_ID 5553: Pathophysiology II
Pathophysiologic mechanisms of cardiovascular disease, diseases of the respiratory system, disorders of the blood, and nutritional diseases.

Credit Hours: 6

MED_ID 5554: Psychopathology and Behavioral Medicine
Presentation and discussion of the U.S. health care system and health care reform, financing and resource allocation, and the impact of change on individuals, communities, employers and the government. Included are analyses of the ethical and legal implications of health care and health care reform.

Credit Hours: 3

MED_ID 5555: Pathophysiology III
Pathophysiologic mechanisms of the digestive, endocrine and urogenital systems.

Credit Hours: 6

MED_ID 5556: Clinical Practicum
A continuation of Block 6 objectives and a clinical practicum and review comprise this block.

Credit Hours: 3

MED_ID 5557: Pathophysiology IV
Pathophysiology of infectious diseases, reproductive disorders, musculoskeletal and soft tissues diseases, diseases affecting the nervous system and skin diseases.

Credit Hours: 6

MED_ID 5558: Physician as a Person
Exploration of the physician as a person, the balance between professional and personal demands, family life, membership in a community, the stresses and rewards of the medical profession, professional ethics and the doctor-patient relationship. A four week clinical review completes this block.

Credit Hours: 3

MED_ID 5561: Advanced Physical Diagnosis I
Advanced Physical Diagnosis I

Credit Hour: 1

MED_ID 5570: Advanced Clinical Skill Practicum
This course is designed for MD/PhD students and other medical students away on research or post-sophomore fellowship leave. Approval to enroll must be obtained from the Director of the MD/PhD program or the Faculty Director of Clinical curriculum. Graded on S/U basis only.

Credit Hours: 0
Prerequisites: Advanced Physical Diagnosis; must have satisfactorily completed the second year of medical school

MED_ID 5751: Pathophysiology I - Remediation
Pathophysiology I - Remediation

Credit Hours: 6

MED_ID 5752: Diagnosis Test/Med Decision - Remediation
Diagnosis Test/Med Decision - Remediation

Credit Hours: 3

MED_ID 5753: Pathophysiology II - Remediation
Pathophysiology II - Remediation

Credit Hours: 6

MED_ID 5755: Pathophysiology III - Remediation
Pathophysiology III - Remediation

Credit Hours: 6

MED_ID 5756: Clinical Practicum - Remediation
Clinical Practicum - Remediation

Credit Hours: 3

MED_ID 5757: Pathophysiology IV - Remediation
Pathophysiology IV - Remediation

Credit Hours: 6

MED_ID 5758: Physician as a Person - Remediation
Physician as a Person - Remediation

Credit Hours: 3

MED_ID 5850: Contemplating Medicine, Patients, Self and Society
The purpose of the longitudinal COMPASS course is to foster the development of patient-centered physicians in relation to patients, self and society. This is accomplished through an innovative longitudinal small group experience using a variety of learning methods including group discussion, reflective writing, storytelling, reading and case problem solving. The small group membership includes students from each of the 4 medical school classes and 2 faculty Guides. Curricular themes and small group session titles for the 4 year course recur on a two year cycle. The content and focus of each session is unique. Students in the first, second and third years of medical school will receive a final course grade (satisfactory or unsatisfactory) at the end of their M4 year. The final course grade will reflect the student's performance in the small group sessions and performance on the capstone assignment.

Credit Hour: 1-5

MED_ID 5851: Contemplating Medicine, Patients, Self and Society-1
The purpose of the longitudinal COMPASS course is to foster the development of patient-centered physicians in relation to patients, self and society. This is accomplished through an innovative longitudinal small group experience using a variety of learning methods including

group discussion, reflective writing, storytelling, reading and case problem solving. The small group membership includes students from each of the 4 medical school classes and 2 faculty Guides. Curricular themes and small group session titles for the 4 year course recur on a two year cycle. The content and focus of each session is unique. Students in the first, second and third years of medical school will receive a final course grade (satisfactory or unsatisfactory) at the end of their M4 year. The final course grade will reflect the student's performance in the small group sessions and performance on the capstone assignment.

Credit Hour: 1

MED_ID 5852: Contemplating Medicine, Patients, Self and Society-II
The purpose of the longitudinal COMPASS course is to foster the development of patient-centered physicians in relation to patients, self and society. This is accomplished through an innovative longitudinal small group experience using a variety of learning methods including group discussion, reflective writing, storytelling, reading and case problem solving. The small group membership includes students from each of the 4 medical school classes and 2 faculty Guides. Curricular themes and small group session titles for the 4 year course recur on a two year cycle. The content and focus of each session is unique. Students in the first, second and third years of medical school will receive a final course grade (satisfactory or unsatisfactory) at the end of their M4 year. The final course grade will reflect the student's performance in the small group sessions and performance on the capstone assignment.

Credit Hour: 1

MED_ID 5950: Remediation of MED_ID 5850
Medical Students who receive an unsatisfactory grade in MED_ID 5850 Contemplating Medicine, Patients, Self and Society will enroll for this course in order to remediate their grade.

Credit Hour: 1-5

MED_ID 6030: SCC Advanced Biomedical Sciences Elective
Students will work under the supervision of an MU faculty member at MU's Springfield Clinical Campus in a pre-approved learning experience. Activities that fulfill this requirement may include, but are not limited to: Anatomy dissection at Missouri State University (MSU), research project at a Springfield based clinical location or lab (Cox, Mercy, MSU), PBL case writing, and cross cultural medicine (global health study abroad). ABS elective content and requirements will be similar to those offered at MU's Columbia Clinical Campus.

Credit Hours: 5

MED_ID 6031: SCC Advanced Clinical Selective
Students will work under the supervision of a faculty preceptor at the Springfield Clinical Campus. Students will see patients in the outpatient clinic and/or inpatient hospital setting, perform a history and exam, and develop a patient-centered assessment and plan. They will then discuss their findings, assessment and plan with the faculty preceptor and go see the patient together. The student will complete oral patient presentations and document patient encounters in the medical record as directed by the faculty preceptor. Students will enhance their knowledge, skills, and attitudes about patient-centered care through active participation in direct patient care activities while under the supervision of a faculty preceptor. Students will integrate previously acquired knowledge and concepts and apply them to the care and management of patients.

Credit Hours: 5

MED_ID 6032: SCC General Elective
Students will work under the supervision of a faculty preceptor at the Springfield Clinical Campus. Students will see patients in the outpatient clinic and/or inpatient hospital setting, perform a history and exam, and develop a patient-centered assessment and plan. They will then discuss their findings, assessment and plan with the faculty preceptor and go see the patient together. The student will complete oral patient presentations and document patient encounters in the medical record as directed by the faculty preceptor. Students will enhance their knowledge, skills, and attitudes about patient-centered care through active participation in direct patient care activities while under the supervision of a faculty preceptor. Students will integrate previously acquired knowledge and concepts and apply them to the care and management of patients.

Credit Hours: 5

MED_ID 6067: LINC Community Integration
A Longitudinal Integrated Clerkship (LINC) includes medical students in patient care over time, allowing enduring learning relationships to develop with patients and physician-teachers. Students will meet required core clinical competencies in multiple disciplines through interleaved, longitudinal experiences over the course of the clinical training year. In contrast to a block curriculum, students meet and follow their patients across multiple settings of care and different disciplines.

Credit Hour: 1

MED_ID 6068: LINC Integrate Clerkship Placeholder Course
A Longitudinal Integrated Clerkship (LINC) includes medical students in patient care over time, allowing enduring learning relationships to develop with patients and physician-teachers. Students will meet required core clinical competencies in multiple disciplines through interleaved, longitudinal experiences over the course of the clinical training year. In contrast to a block curriculum, students meet and follow their patients across multiple settings of care and different disciplines.

Credit Hours: 10

MED_ID 6244: ABS Quality Improvement and Patient Safety Elective
The 4th year student will work with leaders in the Office of Clinical Effectiveness to identify an improvement project to be conducted during the elective. Students will have self-paced readings/didactic expectations,

and will be expected to review and report on medical literature relevant to the care process(es) targeted for improvement. To complete their project, the student will present the improvement work to patient safety and quality improvement leaders, as well as stakeholders in the care process(es) identified for improvement efforts.

Credit Hours: 5

MED_ID 6340: ABS Veteran's Clinic Elective
This is a longitudinal elective that may be taken either during the fall semester (August through December) or the spring semester (January through May). The student will partner with named physician faculty and second-year law students under the supervision of law school faculty to work on the cases of military veterans who are appealing their VA medical benefits. Common issues that arise in these appeals are missed diagnoses; new evidence linking a military environmental or combat exposure to one or more disease processes; and late exacerbation of conditions with obvious or probable onset during the veteran's military service. After a review of the medical literature and with guidance from the physician faculty, the student will advise the law students and law school faculty regarding the significance of medical conditions, their linkage to military service, and their anticipated severity, natural history, and impact on quality of life and longevity. Frequently, appeals involve scholarly review of current medical literature. Occasionally, student literature review may result in a successful appeal not only benefiting the veteran, but also influencing the evolution of VA benefits policy and the benefits awarded future veterans. There will be adequate independent study and reflection time and many meetings with medical and law faculty and law students facilitated by Microsoft Teams and Zoom platforms. Students are expected to complete and report a minimum of 20 hours of case work and complete a project or presentation to receive credit for this elective. Approved projects/presentations will be defined at the beginning of the rotation and may include: a presentation for law school students on a medical topic assigned by faculty, a research project identified by faculty, and/or writing a Nexus letter.

Credit Hours: 5
Prerequisites: Successful completion of 5 of 7 core clerkships. Faculty approval prior to enrollment

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MED_ID 6390: ABS Individualized Study in Medicine-M1
Goals/Objectives: Participate in PBL as a tutor under the guidance of an experienced faculty tutor. Review the literature appropriate to each case. Update one PBL case that is used in the course of the block OR update a problem solving exam OR write a new problem solving exam. Students must submit the case or exam electronically to the course coordinator. Evaluation: Student's performance as tutor will be evaluated by the supervising faculty member and the tutor group members. Notes: During a four-week block, the fourth year student will tutor an M-1 PBL group (Monday, Wednesday, & Friday mornings) under the supervision of a senior faculty member. Contact course coordinator for case update details. Submission date for case update is set two weeks after the tutoring session ends. The student will attend all tutor preparation meetings and prepare for PBL through reading, self-directed study and discussions with faculty. Complete student mid-block and end-of-block evaluation as directed.

Credit Hours: 5
Prerequisites: M4s registering for PBL tutoring must be in good standing and not on probation. M4s must not have come before the CSP for an automatic vote for dismissal

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MED_ID 6391: ABS Individualized Study in Medicine-M2
ABS Individualized Study in Medicine-M2

Credit Hours: 5

MED_ID 6393: ABS Interdisciplinary Research
ABS Interdisciplinary Research

Credit Hour: 5-10

MED_ID 6394: ABS Cross-Cultural Medicine
ABS Cross-Cultural Medicine

Credit Hours: 5

MED_ID 6396: ABS Medical Practice Organization
ABS Medical Practice Organization

Credit Hour: 5-10

MED_ID 6397: ABS Academic Tutoring for M1/M2 Students
ABS Academic Tutoring for M1/M2 Students

Credit Hours: 5

MED_ID 6398: ABS County Public Health
ABS County Public Health

Credit Hours: 5

MED_ID 6399: ABS Case Writing
ABS Case Writing

Credit Hours: 5

MED_ID 6690: Elective Individual Study in Medicine - M1
Elective Individual Study in Medicine - M1

Credit Hours: 5

MED_ID 6691: Elective Individual Study in Medicine - M2
Goals/Objectives: Participate in PBL as a tutor under the guidance of an experienced faculty tutor. Evaluations: the student's performance as tutor will be evaluated by the supervising faculty member and the tutor group members. Notes: During the four-week block, the fourth year student will tutor a M-2 PBL group (Tuesday and Thursday afternoons) under the supervision of a senior faculty member.

Credit Hours: 5
Prerequisites: M4s registering for PBL tutoring must be in good standing and not on probation. M4s must not have come before the CSP for an automatic vote for dismissal

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MED_ID 6692: Case/Exam Writing Elective
The fourth year medical student will work as part of a team in order to develop learning materials for the first and second year students. Students will work closely with faculty advisors and clinical mentors to develop educationally sound learning materials. Under the guidance of faculty preceptors, medical students will author one original PBL case including a comprehensive tutor guide and multiple choice examination questions covering the case objectives, AND one original Clinical Reasoning Exam including an annotated key.

Credit Hours: 5
Prerequisites: fourth year medical student in good standing

MED_ID 6693: Simulation Preparation for Internship
This course is meant to increase the medical students' knowledge and skillsbase in preparation for the first year of internship. In order to accomplish this, the students will be exposed to a variety situations common to first year residents through activities created with simulation. Throughout the course, students will demonstrate how to provide effective and efficient patient-centered care, while improving their communication skills and professionalism with patients and other healthcare providers. Students will understand the role of simulation in medical education and develop skills in debriefing of scenarios throughout the course. At the end of the course, students will be expected to complete a simulation capstone project. Prerequisites: Class level: 4th year medical student. Approval by Simulation Director and Completion of all Core Clerkship Requirements.

Credit Hours: 5

MED_ID 6694: Nutrition Research Elective
The Nutrition four-week elective is largely a customizable elective that can be designed to match a student's interest(s) with a wide range of mentored nutrition experiences. The experience will include some fixed elements such as participation in a weekly seminar series and/or weekly journal clubs in which the student will be expected to present research papers. Focused experiences can be designed in areas including, but not limited, to medical nutrition therapy, general dietetics, inpatient TPN/ICU and enteral feeds, research nutrition studies, and bariatric surgery nutrition. A wide variety of clinical environments will be available (pediatric obesity/endocrinology, failure to thrive, gastroenterology, cancer, etc.). Students will learn using a variety of experiences, evidence-based materials, patient simulations, and case studies. Students will produce a final written product of a revised or new PBL case or a paper on a specific nutrition prescription for a given diagnosis.

Credit Hours: 5
Prerequisites: Successful completion of the first two years of medical school

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MED_ID 6925: Springfield Clinical Campus Elective
Students will work under the supervision of a faculty preceptor at the Springfield Clinical Campus. Students will see patients in the outpatient clinic and/or inpatient hospital setting, perform a history and exam, and develop a patient-centered assessment and plan. They will then discuss their findings, assessment and plan with the faculty preceptor and go see the patient together. The student will complete oral patient presentations and document patient encounters in the medical record as directed by the faculty preceptor.

Credit Hours: 2
Prerequisites: successful completion of the first two years of medical school

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MED_ID 6934: Sexual and Gender Minority Health Issues Across the Lifecourse
The purpose of this course is to increase student's familiarity with sexual and gender minority health issues likely to be seen in practice. Integral to the course structure is improved cultural competency in not only appropriate language and terms used within the community but also a sense of the social-cultural issues each generation has faced growing up in America.

Credit Hours: 2
Prerequisites: successful completion of the first two years of medical school

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