INTERNAL MEDICINE (IMD)

School of Medicine

IMD 090 — Seminar in Medical Ethics (1 unit)

Course Description: Seminar Series covering the current topics in Medical Ethics.
Learning Activities: Lecture 1 hour(s).
Grade Mode: Pass/No Pass only.

IMD 092 — Internship (1-4 units)

Course Description: Supervised internship in internal medicine and related fields.
Prerequisite(s): Consent of instructor; lower division standing.
Learning Activities: Internship 3-12 hour(s).
Grade Mode: Pass/No Pass only.

IMD 098 — Directed Group Study (1-2 units)

Course Description: Directed group study in medicine and related fields.
Prerequisite(s): Consent of instructor; lower division standing.
Learning Activities: Seminar 1-2 hour(s).
Grade Mode: Pass/Fail only.

IMD 099 — Undergraduate Research in Medicine: Molecular & Cell Biology (1-3 units)

Course Description: Undergraduate research in medicine, focusing on molecular & cellular biology.
Prerequisite(s): Consent of instructor.
Learning Activities: Variable.
Grade Mode: Pass/Fail only.

IMD 164 — Practicum in Community Health Clinic: Bayanihan Clinic (1 unit)

Course Description: Through active participation in the medical aspects of community health clinics, the undergraduate student gains knowledge of the organization, administration, and problem-solving capabilities.
Learning Activities: Clinical Activity 5 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Pass/No Pass only.

IMD 192 — Internship in Internal Medicine (1-12 units)

Course Description: Supervised work experience in internal medicine and related fields.
Prerequisite(s): Consent of instructor; upper division standing.
Learning Activities: Internship 3-36 hour(s).
Grade Mode: Pass/Fail only.

IMD 194 — Practicum in Community Health Clinics (1-3 units)

Course Description: The undergraduate student, through active participation in the medical aspects of community health clinics, gains knowledge of the organization, administration, and problem-solving capabilities of these primary care facilities.
Prerequisite(s): Consent of instructor.
Learning Activities: Clinical Activity 5-15 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Pass/Fail only.

IMD 198 — Directed Group Study (1-3 units)

Course Description: Directed group study in medicine and related fields.
Prerequisite(s): Consent of instructor.
Learning Activities: Seminar 1-2 hour(s), Extensive Problem Solving 2 hour(s).
Grade Mode: Pass/No Pass only.

IMD 199 — Special Study for Advanced Undergraduates (1-5 units)

Course Description: Special study for advanced undergraduates.
Prerequisite(s): Consent of instructor; upper division standing.
Learning Activities: Variable.
Grade Mode: Pass/Fail only.

IMD 214 — Topics in Medical Ethics (1 unit)

Course Description: The complex moral, legal and ethical dilemmas that patients, families, and health care providers face in today's clinics.
Learning Activities: Seminar 1 hour(s).
Repeat Credit: May be repeated 1 time(s).
Grade Mode: Satisfactory/Unsatisfactory only.

IMD 220D — Cardiovascular System (2.5 units)

Course Description: Principles of etiology, mechanisms, diagnosis and management of the major diseases of the cardiovascular system. Included are ischemic, valvular, hypertensive, cardiomyopathic, pericardial, and electrical disorders.
Prerequisite(s): HPH 200; consent of instructor; graduate student status.
Learning Activities: Lecture/Discussion 5.50 hour(s).
Grade Mode: Letter.

IMD 250 — Medicine & the Law (3 units)

Course Description: Legal and bioethical principles and concepts in medicine. Topics include standard of care, informed consent, reproductive medicine, and end-of-life issues.
Learning Activities: Lecture/Discussion 2 hour(s), Project 2 hour(s).
Grade Mode: Satisfactory/Unsatisfactory only.

IMD 414 — One Health: A Course on Global Health (1 unit)

Course Description: Global health problems are complex and require culturally-sensitive, socially-acceptable, and action-oriented approaches to create practical and cost-effective solutions. Will examine major health problems created by the convergence of human, animal, and environmental influences.
Learning Activities: Conference 8 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Pass/Fail only.

IMD 416 — Summer Institute on Race & Health (6 units)

Course Description: Using field trips, media, readings, and clinical experiences, eight-ten first-year medical students explore issues of race, health disparities and related issues in a four-week institute during the summer break.
Prerequisite(s): Consent of instructor.
Learning Activities: Independent Study 30 hour(s).
Enrollment Restriction(s): Limited enrollment.
Grade Mode: Pass/Fail only.

IMD 420A — Hematology (2 units)

Course Description: Malignant disorders of blood cells and transfusion therapy. Covers acute leukemia, myelodysplasia, myeloproliferative disorders, lymphoma, and myeloma.
Prerequisite(s): Consent of instructor.
Learning Activities: Lecture/Discussion 1 hour(s), Discussion 1 hour(s).
Enrollment Restriction(s): Restricted to Medical students only.
Grade Mode: Pass/Fail only.

IMD 420B — Gastrointestinal System (2.5 units)

Course Description: Basic pathophysiologic principles of digestive diseases on which clinical concepts and judgments can be developed. Emphasis on pathophysiologic basis of gastroenterological and hepatic disorders with discussion of major disorders and their diagnosis and management.
Prerequisite(s): Approval of Committee on Student Progress.
Learning Activities: Lecture/Discussion 2 hour(s), Discussion 2 hour(s).
Enrollment Restriction(s): Restricted to Medical students only.
Grade Mode: Pass/Fail only.

IMD 420C — Pulmonary & Critical Care Medicine (2.5 units)

Course Description: Clinical aspects of respiratory anatomy, physiology, and pathology. Diagnostic procedures and a description of the major pulmonary diseases & disorders, and critical care medicine.
Prerequisite(s): Approval of SOM's Committee on Student Promotions.
Learning Activities: Lecture/Discussion 5.50 hour(s).
Enrollment Restriction(s): Restricted to Medical students only; student must pass all SOM Year 1 courses.
Grade Mode: Pass/Fail only.

IMD 420D — Cardiovascular System (2.5 units)

Course Description: Principles of etiology, mechanisms, diagnosis and management of the major diseases of the cardiovascular system. Included are ischemic, valvular, hypertensive, cardiomyopathic, pericardial, and electrical disorders.
Prerequisite(s): Approval of the School of Medicine Committee on Student Promotions.
Learning Activities: Lecture/Discussion 5.50 hour(s).
Enrollment Restriction(s): Restricted to Medical students only; student must pass all SOM Year 1 courses.
Grade Mode: Pass/Fail only.

IMD 420E — Nephrology (2 units)

Course Description: Fundamental aspects of disorders of body water, electrolytes and acid/base balance; major categories and mechanisms of parenchymal renal diseases; urinary tract infections.
Prerequisite(s): Approval of Student Progress Committee.
Learning Activities: Lecture 2 hour(s), Discussion 2 hour(s), Laboratory 2 hour(s).
Grade Mode: Pass/Fail only.

IMD 430 — Medicine Clerkship (3-12 units)

Course Description: Clerkship is divided into two, four-week blocks, one each at UCDMC and at Kaiser Hospitals. Time is spent in direct patient care situations under the guidance of faculty. On-going patient write-ups, rounds, conferences are required.
Prerequisite(s): Approval by School of Medicine Committee on Student Progress.
Learning Activities: Clinical Activity 45 hour(s).
Grade Mode: Honors/Pass/Fail.

IMD 430FA — SJVP Longitudinal Medicine Clerkship (1.5-6 units)

Course Description: Longitudinal Clerkship runs concurrently with Family Medicine, Pediatrics and Psychiatry for 32 weeks. Time is spent in direct patient care situations under the guidance of faculty. On-going patient write-ups, rounds, conferences are required.
Prerequisite(s): Consent of instructor; approval by School of Medicine Committee on Student Progress.
Learning Activities: Clinical Activity 45 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Honors/Pass/Fail.

IMD 430FB — SJVP Longitudinal Medicine Clerkship (1.5-6 units)

Course Description: Longitudinal Clerkship runs concurrently with Family Medicine, Pediatrics and Psychiatry for 32 weeks. Time is spent in direct patient care situations under the guidance of faculty. On-going patient write-ups, rounds, conferences are required.
Prerequisite(s): Consent of instructor; approval by School of Medicine Committee on Student Progress.
Learning Activities: Clinical Activity 45 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Honors/Pass/Fail.

IMD 430FC — SJVP Longitudinal Medicine Clerkship (1.5-6 units)

Course Description: Longitudinal Clerkship runs concurrently with Family Medicine, Pediatrics and Psychiatry for 32 weeks. Time is spent in direct patient care situations under the guidance of faculty. On-going patient write-ups, rounds, conferences are required.
Prerequisite(s): Consent of instructor; approval by School of Medicine Committee on Student Progress.
Learning Activities: Clinical Activity 45 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Honors/Pass/Fail.

IMD 430FD — SJVP Longitudinal Medicine Clerkship (1.5-6 units)

Course Description: Longitudinal Clerkship runs concurrently with Family Medicine, Pediatrics and Psychiatry for 32 weeks. Time is spent in direct patient care situations under the guidance of faculty. On-going patient write-ups, rounds, conferences are required.
Prerequisite(s): Consent of instructor; approval by School of Medicine Committee on Student Progress.
Learning Activities: Clinical Activity 45 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Honors/Pass/Fail.

IMD 430R — Rural PRIME Internal Medicine Longitudinal Clerkship (2 units)

Course Description: Internal Medicine Longitudinal Integrated Clerkship for the Rural PRIME Program.
Prerequisite(s): Consent of instructor.
Learning Activities: Clinical Activity 45 hour(s).
Grade Mode: Honors/Pass/Fail.

IMD 430RA — Rural PRIME Internal Medicine Longitudinal Clerkship (3 units)

Course Description: Internal Medicine Longitudinal Integrated Clerkship for the Rural PRIME Program.
Prerequisite(s): Consent of instructor.
Learning Activities: Clinical Activity 45 hour(s).
Grade Mode: Honors/Pass/Fail.

IMD 430RB — Rural PRIME Internal Medicine Longitudinal Clerkship (3 units)

Course Description: Internal Medicine Longitudinal Integrated Clerkship for the Rural PRIME Program.
Prerequisite(s): Consent of instructor.
Learning Activities: Clinical Activity 45 hour(s).
Grade Mode: Honors/Pass/Fail.

IMD 430RC — Rural PRIME Internal Medicine Longitudinal Clerkship (3 units)

Course Description: Internal Medicine Longitudinal Integrated Clerkship for the Rural PRIME Program.
Prerequisite(s): Consent of instructor.
Learning Activities: Clinical Activity 45 hour(s).
Grade Mode: Honors/Pass/Fail.

IMD 430RD — Rural PRIME Internal Medicine Longitudinal Clerkship (1 unit)

Course Description: Internal Medicine Longitudinal Integrated Clerkship for the Rural PRIME Program.
Prerequisite(s): Consent of instructor.
Learning Activities: Clinical Activity 45 hour(s).
Grade Mode: Honors/Pass/Fail.

IMD 430TA — TeachMS Longitudinal Medicine Clerkship (A) (4 units)

Course Description: Longitudinal Clerkship runs concurrently with Primary Care and Psychiatry for 24 weeks. Time is spent in direct patient care situations under the guidance of faculty. On-going patient write-ups, rounds, conferences are required.
Prerequisite(s): Consent of instructor; approval by School of Medicine Committee on Student Progress.
Learning Activities: Clinical Activity 45 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Honors/Pass/Fail.

IMD 430TB — TeachMS Longitudinal Medicine Clerkship (B) (6 units)

Course Description: Longitudinal Clerkship runs concurrently with Primary Care and Psychiatry for 24 weeks. Time is spent in direct patient care situations under the guidance of faculty. On-going patient write-ups, rounds, conferences are required.
Prerequisite(s): Consent of instructor; approval by School of Medicine Committee on Student Progress.
Learning Activities: Clinical Activity 45 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Honors/Pass/Fail.

IMD 430TC — TeachMS Longitudinal Medicine Clerkship (C) (2 units)

Course Description: Longitudinal Clerkship runs concurrently with Primary Care and Psychiatry for 24 weeks. Time is spent in direct patient care situations under the guidance of faculty. On-going patient write-ups, rounds, conferences are required.
Prerequisite(s): Consent of instructor; approval by School of Medicine Committee on Student Progress.
Learning Activities: Clinical Activity 45 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Honors/Pass/Fail.

IMD 439D — Directed Clinical Studies in Internal Medicine (1-12 units)

Course Description: Individual directed studies in extended preparation for modified curriculum or to complete a clinical rotation following a leave of absence.
Prerequisite(s): Consent of instructor.
Learning Activities: Clinical Activity 40 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Pass/Fail only.

IMD 439R — Directed Studies in Internal Medicine (1-12 units)

Course Description: Individual directed studies in extended preparation for remediation of all or part of clinical rotation. Clinical studies to accommodate and satisfy remedial work as directed by the Committee on Student Progress and approved by the course IOR.
Prerequisite(s): Consent of instructor.
Learning Activities: Clinical Activity 30 hour(s), Independent Study 10 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Pass/Fail only.

IMD 440 — TEACH-MS Outpatient Internal Medicine (3 units)

Course Description: Two-week rotation. Participate in the clinical care of patients from underserved communities, working with outpatient Internal Medicine preceptors who are primarily based at the Sacramento County Health Center. Rotate through a variety of different outpatient clinics including: Primary Care, Same Day Access Clinic, Homeless Outreach Clinic, and Chronic Disease Management.
Learning Activities: Clinical Activity.
Grade Mode: Pass/Fail only.

IMD 450A — Medicine & the Law (1.5 units)

Course Description: Legal and bioethical principles and concepts in medicine. Topics include standard of care, informed consent, reproductive medicine, and end-of-life issues.
Prerequisite(s): Consent of instructor.
Learning Activities: Seminar 2 hour(s), Discussion 2 hour(s).
Enrollment Restriction(s): Restricted to Medical students only.
Grade Mode: Honors/Pass/Fail.

IMD 450B — Medicine & the Law (1.5 units)

Course Description: Legal and bioethical principles and concepts in medicine. Topics include standard of care, informed consent, reproductive medicine, and end-of-life issues.
Prerequisite(s): Consent of instructor.
Learning Activities: Seminar 2 hour(s), Discussion 2 hour(s).
Enrollment Restriction(s): Restricted to Medical students only.
Grade Mode: Honors/Pass/Fail.

IMD 458Y — Climate Change: Implications for Clinical Practice & Population Health (3-9 units)

Course Description: Climate change and its associated environmental and social disruptions are and will increasingly lead to clinical and population health consequences for which clinicians, and health systems, will need to be prepared to best care for their patients and the populations they serve. Draws from the Global Consortium on Climate and Health Education's set of Core Climate and Health Competencies for Health Professionals and places an emphasis on climate change and clinical practice.
Learning Activities: Variable.
Grade Mode: Honors/Pass/Fail.

IMD 459 — Oncology: Research & Treatment of Cancer (2 units)

Course Description: Comprehensive review of current treatment practices of cancer and state-of-the-art research impacting treatment and prevention of cancer. Emphasis on epidemiology, molecular biology, and pharmacology.
Prerequisite(s): Second-, third-, or fourth-year medical student and/or consent of instructor.
Learning Activities: Lecture/Discussion 2 hour(s).
Grade Mode: Honors/Pass/Fail.

IMD 460 — Correctional Health Care Clerkship (1-12 units)

Course Description: Covers Correctional Health delivery and the effects of detention and incarceration on health status. Special emphasis on problems unique to health care delivery in a prison setting. Student will spend time in clinical settings at three prison facilities.
Prerequisite(s): Consent of instructor; fourth-year medical student in good academic standing.
Learning Activities: Clinical Activity.
Grade Mode: Honors/Pass/Fail.

IMD 461 — Mather VA Internal Medicine AI (3-6 units)

Course Description: Acting Internship in Internal Medicine for qualified 4th year Medical Students from the UC Davis School of Medicine at the Sacramento VA Hospital. Experiences will somewhat mirror those of AIs at UCDMC.
Prerequisite(s): Consent of instructor.
Learning Activities: Variable.
Enrollment Restriction(s): Limited enrollment.
Repeat Credit: May be repeated.
Grade Mode: Honors/Pass/Fail.

IMD 462 — Medicine Wards AI (6 units)

Course Description: Assume role of acting intern and be primary physician on medical ward under direction of medical resident and staff. Teams I-V take call every fifth night. Emphasis on evidence-based inpatient care.
Prerequisite(s): MDS 431; consent of instructor; demonstrated ability to accept responsibility.
Learning Activities: Clinical Activity 40 hour(s).
Enrollment Restriction(s): Limited enrollment.
Repeat Credit: May be repeated.
Grade Mode: Honors/Pass/Fail.

IMD 463 — Acting Internship in Medicine Intensive Care Unit (MICU) (3-6 units)

Course Description: At UCDMC, student functions as acting intern on MICU service under direction of medical resident and staff. Responsibility for patients admitted to MICU. On call in hospital every fourth night.
Prerequisite(s): Completion of third-year in medical school; consent of Director of MICU.
Learning Activities: Clinical Activity 40 hour(s).
Enrollment Restriction(s): Limited enrollment.
Repeat Credit: May be repeated.
Grade Mode: Honors/Pass/Fail.

IMD 464 — Bayanihan Primary Care Clinic (1-12 units)

Course Description: Under the guidance and supervision of a physician, learn patient history taking, medical documentation, counseling, diagnosis and treatment of patients with chronic and acute disease. Provides exposure to the special needs of various ethnic and socioeconomic groups.
Learning Activities: Clinical Activity 0.60 hour(s).
Enrollment Restriction(s): Restricted to medical students in all four years of medical school.
Repeat Credit: May be repeated.
Grade Mode: Pass/Fail only.

IMD 465 — Medicos-Global Health Sciences (9 units)

Course Description: Travel to foreign country for four weeks to collaborate with faculty from local universities and work in urban and rural environments, including hands-on experience with clinic patients. Cultural exchange and awareness of global health care.
Prerequisite(s): Consent of instructor; medical students only.
Learning Activities: Lecture 5 hour(s), Clinical Activity 25 hour(s), Fieldwork 5 hour(s), Project (Term Project) 5 hour(s).
Grade Mode: Pass/Fail only.

IMD 466 — Medical Spanish for Providers (3 units)

Course Description: Provides ample experience in Spanish patient interviews, supervision of interview styles and Spanish-language skills, discussion of common diagnoses, procedural consent, management/treatment plans, and patient education in Spanish to empower medical students to practice medicine with the nationally growing monolingual Spanish-speaking patient population. Curriculum adapted with permission from the Medical Spanish Taskforce.
Learning Activities: Lecture 40 hour(s).
Grade Mode: Pass/Fail only.

IMD 467 — TEACH-MS Outpatient Internal Medicine Advanced Clinical Clerkship (3 units)

Course Description: Two-week rotation with participation in the clinical care of patients from underserved communities, working with outpatient Internal Medicine preceptors who are primarily based at the Sacramento County Health Center.
Learning Activities: Clinical Activity.
Grade Mode: Pass/Fail only.

IMD 468 — Ambulatory Internal Medicine Externship (3-18 units)

Course Description: Hands-on primary care clinical experience in the ambulatory setting supervised by a general internist. Emphasis on evidence-based outpatient care.
Prerequisite(s): IMD 430; consent of instructor; demonstrated ability to accept responsibility.
Learning Activities: Clinical Activity 40 hour(s), Variable 12-40 hour(s).
Enrollment Restriction(s): Limited enrollment.
Grade Mode: Honors/Pass/Fail.

IMD 469 — Acting Internship in Medicine Intensive Care Unit (MICU) (4-8 units)

Course Description: At UCDMC, student functions as acting intern on MICU service under direction of medical resident and staff. Responsibility for patients admitted to MICU.
Learning Activities: Variable.
Repeat Credit: May be repeated 2 time(s).
Grade Mode: Honors/Pass/Fail Only.

IMD 470 — Critical Evaluation of Landmark Studies in Evidence-Based Medicine (3 units)

Course Description: Primary objective is to prepare future physicians to effectively integrate evidence-based medicine into their clinical practice. While this course has an Internal Medicine emphasis, the skills the course aims to impart—formulating focused clinical questions, searching the medical literature, evaluating the quality of research, and integrating evidence into clinical practice, giving effective article presentations)—apply to all future clinicians, regardless of their specialty.
Prerequisite(s): Fourth-year medical student.
Learning Activities: Seminar.
Grade Mode: Pass/Fail only.

IMD 480 — Person Centered Assessment (1 unit)

Course Description: Person-centered assessment modalities and diagnostic approaches with regards to Internal Medicine and its different subspecialties.
Prerequisite(s): Open to all medical students.
Learning Activities: Lecture 1 hour(s).
Grade Mode: Pass/Fail only.

IMD 490 — Medical Care for Underserved & Marginalized Communities (3 units)

Course Description: Review the evidence about health outcomes for marginalized communities, to use the frameworks of 'structural competency' and 'implicit bias' to understand phenomena that drive disparities, to study the cases of several underserved communities in the Sacramento area, experience first-hand community organizations that are providing care to marginalized communities and practice how to identify in the clinical setting unmet social needs and their impact on health.
Learning Activities: Lecture/Discussion 24 hour(s).
Grade Mode: Pass/Fail only.

IMD 493 — Palliative Care: Essentials in Communication, Pain & Symptom Management (6 units)

Course Description: Spend one week with the inpatient palliative care service, one week with the inpatient pain pharmacy service, and two weeks with Snowline Hospice.
Prerequisite(s): Consent of instructor.
Learning Activities: Clinical Activity 24 hour(s), Discussion 4 hour(s), Independent Study 2 hour(s).
Grade Mode: Pass/Fail only.

IMD 494 — Practicum in Community Health Clinics (1-12 units)

Course Description: Assigned to clinical settings that demonstrate ethnic, urban/rural, or other related aspects of clinical community health. Through active participation in health care delivery, learn to relate conceptual with practical aspects of primary health care.
Prerequisite(s): Medical student with consent of instructor.
Learning Activities: Clinical Activity 15-40 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Honors/Pass/Fail.

IMD 495 — Palliative Care: Essentials in Communication, Pain & Symptom Management (3-6 units)

Course Description: Mix of didactic sessions and clinical time. Exposure to management of nociceptive pain, neuropathic pain and mixed pain syndromes. Introduction to the pathophysiology of pain, pharmacology of opioids and non-opioids medications, and management of pain, titration and equilanelgesic conversion of pain medications.
Learning Activities: Variable.
Grade Mode: Pass/Fail only.

IMD 496 — Integrative Geriatric Medicine (3 units)

Course Description: Provides a two-week clinical experience for fourth-year medical students. Introduces medical students to the care elements for older adults in the inpatient and outpatient settings.
Learning Activities: Clinical Activity.
Grade Mode: Pass/Fail only.

IMD 497 — Medicine, Bioethics & the Holocaust (3 units)

Course Description: Concept of "evil" and the role of collaborators, bystanders and participants exemplified by the holocaust and compared to problems physicians face in practice today. Demonstration that evil emerges incrementally until taken for granted.
Prerequisite(s): Consent of instructor; medical students only.
Learning Activities: Lecture/Discussion 10 hour(s).
Grade Mode: Pass/Fail only.

IMD 498 — Group Study in Internal Medicine (1-18 units)

Course Description: Special study for medical students which may involve laboratory or library research, ambulatory or inpatient care responsibility on campus, at UCDMC or off campus by specific arrangement.
Prerequisite(s): Consent of instructor.
Learning Activities: Variable.
Grade Mode: Honors/Pass/Fail.

IMD 499 — General Medicine Reseach (1-18 units)

Course Description: General medicine research.
Learning Activities: Independent Study 20 hour(s).
Grade Mode: Honors/Pass/Fail.