University of Colorado **Anschutz Medical Campus**

2019-2020 Academic Year

Phase I – Required Curriculum Fall Semester 2019

IDPT 5000 Foundations Doctoring I 2.0 credits per semester
The course is designed to expose students to basic clinical skills necessary for physicians. Each week, students spend one afternoon either learning communication/physical exam skills/professionalism on campus or practicing their clinical skills with a preceptor off campus.

IDPT 5001 Human Body 7.0 credits
Human Body covers the anatomy and embryology of the back, extremities, trunk, head and neck. Students will dissect cadavers and study computer generated cross-sections, reconstructions ad radiological images. Clinical case discussions will be integrated with physical exam material.

IDPT 5002 Molecules to Medicine 8.0 credits
Molecules to medicine is an integrated approach to cell biology, biochemistry, molecular biology and human genetics presented in a context that emphasizes clinical issues.

IDPT 5090 Mentored Scholarship I 1.0 credit
A four-year requirement for students to pursue and complete a mentored scholarly project and a capstone presentation. Project can be in one of the following thematic areas: basic and clinical research; epidemiology and public health; humanities and social sciences.

IDPT 5095 Research Track Phase I 1.0 credit
Course Restrictions: Must be a Research Track Student, this course replaces the Mentored Scholarship requirement.
Students complete training in citation manager software and initiate mentor-guided research.

Phase I – Required Curriculum Spring Semester 2020

IDPT 5000 Foundations Doctoring I 2.0 credits per semester
Course is a continuation of the fall semester course. The course is designed to expose students to basic clinical skills necessary for physicians. Each week, students spend one afternoon either learning communication/physical exam skills/professionalism on campus or practicing their clinical skills with a preceptor off campus.

IDPT 5003 Blood and Lymph 4.0 credits
Blood and Lymph covers the basic and clinical concepts underlying immunology, hematology, rheumatology, and malignancies of the blood. Histology, genetics, biochemistry, and ethical issues are integrated into the course concepts. Contact hours are equally divided between lecture and discussion groups.

IDPT 5004 Disease and Defense 5.0 credits
Course covers principles of biometrics, pharmacology, pathology and infectious disease. Topics include mechanisms of tissue damage and repair. Dermatology is presented as an “Organ System”, including structural and function, pathology, pathophysiology and pharmacology.

IDPT 5005 Cardiovascular/Pulmonary/Renal 9.5 credits
Course is an interdisciplinary approach to the cardiovascular, pulmonary, and renal systems, including anatomy, histology, physiology, pathophysiology, pathology, pharmacology, and development. Emphasis is on how the major organs work together to regulate blood pressure and fluid, electrolyte, and acid-base balance.

IDPT 5090 Mentored Scholarship I 1.0 credit

A continuation of course begun in fall semester. A four-year requirement for students to pursue and complete a mentored scholarly project and a capstone presentation. Project can be in one of the following thematic areas: basic and clinical research; epidemiology and public health; humanities and social sciences.

IDPT 5095 Research Track Phase I 1.0 credit

Course Restrictions: Must be a Research Track Student, this course replaces the Mentored Scholarship requirement.

Students complete training in citation manager software and initiate mentor-guided research.

IPED 5001 Interprofessional Education I 1.0 credit

This course develops core competencies in teamwork and collaboration, values and ethics, and quality and safety for first-year health professions students. The course will be taught in a team-based format requiring individual preparation before each session followed by the application of that learning in through team-based activities.

Phase II – Required Curriculum Fall Semester 2019

IDPT 6000 Foundations Doctoring II 2.0 credits per semester

This course is the second year of the longitudinal Foundations of Doctoring curriculum. Each week, students spend one afternoon either learning communication/physical exam skills/professionalism on campus or practicing their clinical skills with a preceptor off campus.

IDPT 6001 Nervous System 7.5 credits

Course covers the gross and microscopic anatomy of the nervous system, basic neurobiology and neurophysiology, pharmacology, neuropathology, and basic neurologic and psychiatric examination skills. Emphasis is on the relationship between basic processes and functional systems to clinical phenomena and behavior.

IDPT 6002 Digestive/Endocrine/Metabolic Systems 9.5 credits

This interdisciplinary course integrates clinical and basic science topics related to the normal function and diseases of the gastrointestinal and endocrine systems. The biochemistry and physiology of nutrient metabolism in health and disease will also be covered.

IDPT 6090 Mentored Scholarship II 1.0 credit

A four-year requirement for students to pursue and complete a mentored scholarly project and a capstone presentation. Project can be in one of the following thematic areas: basic research, clinical research, epidemiology and public health, humanities and social sciences.

IDPT 6094 Master's degree Extended Study Course 1.0 credit

Prerequisites: Successful completion of Phase 1 and Phase 2 of SOM curriculum. Department consent required.

A scholarly project approved by the Master's committee to act as a capstone for students obtaining the Master's in Medical Science degree. Department Consent Required.

IDPT 6095 Research Track Phase II 1.0 credit

Course Restrictions: Must be a Research Track Student, this course replaces the MSA requirement.

Students will demonstrate progress towards the completion of your research project and publicly communicate understanding of the project to others. Present WIP to peers and faculty in an oral presentation. Effectively respond to comments and questions from peers about your research efforts. Identify scientific questions when others present.

IPED 6000 Interprofessional Education II 1.0 credit

Prerequisite: IPED 5000. The second of two required courses for health professions students on the Anschutz Medical Campus.
This course continues to introduce content in 3 competency domains: teamwork/collaboration, values/ethics, and safety/quality. Students work in Interprofessional teams and develop skills for collaborative practice.

Phase II – Required Curriculum Spring Semester 2020

IDPT 6000 Foundations Doctoring II 2.0 credits per semester
This course is the second year of the longitudinal Foundations of Doctoring curriculum. Each week, students spend one afternoon either learning communication/physical exam skills/professionalism on campus or practicing their clinical skills with a preceptor off campus.

IDPT 6003 Life Cycle 5.0 credits
Course provides an interdisciplinary approach to the normal biology and pathobiology of the male and female reproductive systems, reproduction and pregnancy, the fetus, newborn and child, aging, and end of life. Clinical cases and physical examination will be integrated throughout.

IDPT 6004 Infectious Disease 4.5 credits
This course integrates microbiology, infectious diseases, and antimicrobial pharmacology. Content covers pathogenic microorganisms (bacteria, viruses, fungi, and parasites), host-pathogen interactions, microbial virulence determinants, host immune responses, signs and symptoms of disease presentation, epidemiology, laboratory diagnosis, prevention (vaccines) and therapy (antimicrobials).

IDPT 6090 Mentored Scholarship II 1.0 credit
A four-year requirement for students to pursue and complete a mentored scholarly project and a capstone presentation. Project can be in one of the following thematic areas: basic research, clinical research, epidemiology and public health, humanities and social sciences.

IDPT 6095 Research Track Phase II 1.0 credit
Course Restriction: Must be a Research Track Student, this course replaces the Mentored Scholarship requirement.
Students will demonstrate progress towards the completion of your research project and publicly communicate understanding of the project to others. Present WIP to peers and faculty in an oral presentation. Effectively respond to comments and questions from peers about your research efforts. Identify scientific questions when others present.

Dermatology Elective

DERM 6660 Career Elective in DERM All Semesters 1.0 credit
Type of Course: Clinical **Course Restrictions:** Phase I students
This course is designed to provide an introduction into the field of dermatology. Students will shadow a dermatologist in clinic to get an idea of the scope of practice in dermatology, which encompasses medical dermatology, surgery and dermatopathology.
Course Schedule: (8) ½ half day clinics – Monday, Tuesday, Wednesday, Thursday, Friday from 7:30 am to Noon and Tuesday, Wednesday, Thursday 12:45pm – 5:00pm – no weekends or evenings

Emergency Medicine Electives

EMED 6620 History of Pharmacology and Toxicology Fall Semester 1.0 credit

Type of Course: Clinical **Course Restrictions:** Phase II Students
The objective of this course is to illustrate basic pharmacological and toxicological principles using case examples. The course will consist of a series of lectures that will use historical events to demonstrate basic toxicological and pharmacological principles and the clinical effects of poisons.

EMED 6624 Intro Wilderness Med Fall Semester 1.0 credit
Type of Course: Didactic **Course Restrictions:** Must attend field day with Rocky Mountain Rescue in Boulder.
A didactic course meeting for one hour each week to review basics of wilderness and environmental medicine, including high altitude, hypothermia, frostbite, dive medicine, and expedition medicine

EMED 6626 Pre-Hospital Medicine Fall and Spring Semesters 1.0 credit
Type of Course: Clinical **Course Schedule:** (2) classroom meetings and one 10-hour ride along during the semester
The student will attend an intro lecture to orient them to the basic principles of prehospital care, EMS systems, and levels of care. The ambulance ride with the Denver Health Paramedic Division will be a 10-hour shift where they participate in all the calls the crews run. At the end of the course, there will be a wrap up session where we will discuss their unique experiences and reflect on some of the things they have learned.

EMED 6627 Intro to Emergency Medicine & Trauma Spring Semester 1.0 credit
Introduction to life-threatening conditions fundamental to emergency medicine. Focuses on the essentials of stabilization, rapid diagnosis, and acute management. Weekly lectures given by faculty from UCHSC and Denver Health. Pass-fail based on attendance with an optional write-up for honors.

EMED 6628 Flight Medicine Fall and Spring Semesters 1.0 credit
Type of Course: Clinical **Pre-requisite**: EMED 6626 Pre-Hospital Medicine.
Course Schedule: Two classroom meetings and (1) 12-hour day with Flight for Life during semester.
The student will attend one lecture to orient them to the basic principles critical care transport and flight medicine as well as an extended orientation to the helicopter at St. Anthony's. During their 12-hour day with Flight for Life, they will be part of the team of providers to respond to scenes or to other facilities for the transportation of critical patients. At the end of the course, there will be a wrap-up session where we will discuss their unique experiences and reflect on what they have learned.

EMED 6629 Emergency Med Skills Fall and Spring Semesters 1.0 credit
Type of Course: Clinical **Course Schedule: (**6) 8-hour shifts scheduled individually with each student.
This course provides 48 hours of clinical work with an EMED attending physician for the purpose of exposing the student to EMED and teaching procedural skills necessary for the basic clinical care in preparation for an international experience.

EMED 6631 Wilderness Advanced 1st Aid Spring Semester 1.0 credit
Type of Course: Didactic
Course Schedule: The class includes 16 hours of lecture and skill development and another 8 hours of application and practice as students help teach Wilderness First Aid (WFA) to laypersons.
Wilderness Advanced First Aid covers skills and applied knowledge to respond to medical emergencies in austere environments. In addition, it provides students an introduction and exposure to the art of teaching and instruction.

Family Medicine Electives

FMMD 6001 Intro Primary Care Sports Med Fall and Spring Semesters 1.0 credit
Type of Course: Clinical **Course Schedule:** The course introduction and expectations will occur with the course

director via e-mail or phone. The first in-person session will take place during the fall semester, specific dates to be determined by event and student availability. Athletic coverage events run throughout the fall and spring and occur throughout the day ranging from morning to evening.
The primary goal of this elective is to increase student exposure to and knowledge of the field of Primary Care Sports Medicine as well as various ways that Family Medicine physicians practice in the community and engage with their community with regards to fitness and athletics. A secondary goal of this elective is to start to build a foundation of knowledge regarding musculoskeletal medicine and medical care of active individuals. There will also be a focus on learning about injury prevention. This experience provides students with longitudinal mentorship in the case that they may be interested in a career in Sports Medicine and/or Primary Care.

FMMD 6624 Stout Street Health Center Fall and Spring Semesters 1.0 credit
Course Restrictions: A two-semester course, students must complete fall and spring semesters.
This course introduces students to healthcare of Denver's poor and homeless. Students will participate in patient care at the Stout Street Clinic on six Wednesday evenings throughout the school year. Participation in two additional volunteer outreach activities is also required.

FMMD 6628 Rural Track Elective Fall and Spring Semesters 1.0 credit
Prerequisite: Student must have been accepted in the Rural Track or have course director approval to add.
Course Restrictions: A two-semester course, students must complete fall and spring semesters.
The course goal is to increase the number of students who eventually enter, and remain, in practice in rural Colorado. The track provides students with, mentorship, additional knowledge, broad skills and rural socialization experiences throughout the 4 years of school.

Interdepartmental Electives

IDPT 5096 Summer Research Phase I Elective Summer Semester 1.0 credit
This course is for students desiring to do research at CU or other institutions during the summer in between first and second year.

IDPT 6010 Spark Patient Change-Motivational Interviewing Fall Semester 1.0 credit
Students will learn and practice practical techniques to motivate patients to change their behaviors (e.g. smoking cessation, healthy eating, physical activity). This elective will help students prepare for patient interviews during preceptor, clinical rotations, and their future career.
This course will build on the Foundations of Doctoring curriculum surrounding communication with patients. The FDC curriculum does not specifically address Motivational Interviewing, however students are taught to use open-ended questions, reflective listening, non-judgmental relationship building, and to elicit the patient's perspective.

IDPT 6614 Introduction to Clinical Ultrasound Spring Semester 1.0 credit
Course Schedule: (4) Wednesday afternoons from 3-5 p.m.
Students will be introduced to ultrasound scanning techniques to perform four of the primary clinical ultrasound exams – gallbladder, heart, aorta, soft tissue/musculoskeletal. Online modules and hands-on practice will be used in the course.

IDPT 6619 LGBT Health and Healthcare Fall and Spring Semesters 1.0 credit
The course provides health professional students the basic knowledge and skills to provide culturally responsive, clinically competent care to lesbian, gay, bisexual, and transgender (LGBT) patients.

IDPT 6623 Refugee and Immigrant Health I Fall and Spring Semesters 1.0 credit
Course Schedule: 10-week course held spring semester, Wednesdays from noon to 1 pm.
Students will learn about the integration process that refugees go through and common medical and mental health diagnoses they receive. Discussions, panels, and lectures will aid in preparing the student for providing

culturally effective medical care to any populations.

IDPT 6625 Big Data Analytics in Healthcare, Research, & Education Spring Semester 2.0 credits
This interactive seminar series will introduce the concepts of "big data" applied to research, health care and education. Participants will gain a basic understanding of this rapidly emerging field through discussion and exploration of examples and critical issues with campus analytics leaders.

IDPT 6629 SABES Spanish Immersion Fall and Spring Semesters 1.0 credit
Course requirements: Students must complete both the Fall and Spring semesters. A one-time fee of $30.00. SABES is a student-led course that meets on campus, October through mid-March. Classroom sessions focus on improving vocabulary and grammar. There are 4 classes, to accommodate all ability levels. All students have the opportunity to practice taking medical histories with native Spanish speakers.

IDPT 6630 Spanish Interpretation Fall and Spring Semesters 1.0 credit
Prerequisite: Must pass proficiency exam or have successfully completed SABES course (IDPT 6629).
Students must have passed a screening competency exam prior to the course (proctored by the course instructors) or have successfully completed the Advanced SABES course. This course will equip students who have prior Spanish proficiency with vocabulary, skill, and ethical practices of Spanish medical interpretation. Students partake in a 10-week course, and if they successfully pass the certification exam, will interpret in the student-run DAWN Clinic.

IDPT 6631 Mindful Living: Practice of Purposeful and Non-Judgment Fall Semester 1.0 credit
This course is designed to explore the meaning of mindfulness in everyday life by developing self-awareness, emotional resilience, appreciation of life, and a sense of well-being. Students participate in activities such as meditation, reflective journaling, discussion, and applying mindfulness to music, nature walks, and relationships.

IDPT 6636 Summer Preceptor Experience Summer Semester 1.0 credit
Course Restrictions: Available summer semester only.
The Summer Preceptorship is a clinical elective designed for students between their first and second year of medical school. It may take place in the hospital or in a clinic one afternoon or morning a week during the summer semester.

IDPT 6637 LEADS 1 Spring Semester 2.0 credits
Course Restrictions: First Year/Phase 1 students only.
The course will include monthly seminars and be divided into four thematic sections. Seminar speakers are primarily engaged in leadership/advocacy work in health care. The themes will be further explored by case-based, small group sessions. Elective required for LEADS scholars.

IDPT 6647 LEADS 2 Fall Semester 1.0 credit
Prerequisite: IDPT6637 LEADS 1 – Spring Semester. **Course Restrictions:** Phase 2 students only.
Students who wish to enroll without having completed the Spring course in Phase 1 may petition course director if space allows. Advocacy and leadership skills applied in case study.

IDPT 6660 Leadership Competencies for Physicians (Essential Leadership) Fall and Spring Semesters 1.0 credit
This course will engage current medical students in active learning of the knowledge, skills, attitudes and behaviors necessary for embracing conflict and ensuring success and happiness as a 21st Century physician leader. Students will learn how to improve their emotional intelligence and conflict management skills

IDPT 6665 Intro to Global Health Fall Semester 1.0 credit
This course is required for ALL students interested in applying for Global Health Track and ALL students interested in doing an International Mentored Scholarly Activity. This course will give a broad overview of important issues in global health e.g., the HIV epidemic, maternal-child health, humanitarian assistance, clean water and sanitation,

the Millennium Development Goals, the World Health Organization, ethics, and travel health and safety.

IDPT 6667 Global Health Studies (US) Summer Semester 10.0 credits
Course Restrictions: Course director approval required to add course.
Students and their faculty preceptors will develop a global health project focused on research, education, or community health service. After their project with a global health organization, students will provide a written report and an oral presentation of their project.

IDPT 6668 Global Health Study Abroad Summer Semester 10.0 credits
Course Restrictions: Course director approval required to add course.
Prior to travel, students and their faculty preceptors will develop a global health project focused on international research, education, or community health service. After their stay abroad, students will provide a written report and an oral presentation of their project.

IDPT 6669 Global Health Seminar Spring Semester 1.0 credit
Course Restrictions: Course director approval required to add course.
This is a required course for Global Health Track students. This course will help students design and implement their global health projects by addressing the basics of project design, survey development, data collection and analysis.

IDPT 6671 Urban Underserved Care Fall and Spring Semesters 1.0 credit
Course Restrictions: Only for CU-UNITE Urban Underserved Track students.
It is an introduction to important issues in urban-underserved health care. Topics include health disparities, mental health, substance abuse, and care of specific populations, such as homeless and refugee populations.

IDPT 6672 Urban Underserved Care 2 Fall and Spring Semesters 1.0 credit
Course Restrictions: Only for CU-UNITE/Urban Underserved Track students.
This CU-UNITE required elective is an advanced course regarding issues in urban underserved health care. Topics: Procedural skills development, an interdisciplinary service-learning project in the community, discussion of personal qualities needed for serving urban, underserved populations and provider wellness.

Medicine Electives

MEDS 6050 Mission Medical Clinic – Colorado Springs All Semesters 2.0 credits
Learn about healthcare for vulnerable patients in Southern Colorado via volunteerism at Mission Medical Clinic, a “free clinic” in Colorado Springs. Students will serve as volunteer clinicians providing mentored primary care to adults lacking medical insurance.

MEDS 6620 Bioethics, Medicine, & Health Spring Semester 2.0 credits
The course explores key problems of bioethics in medicine & health. Moral frameworks will be discussed and critiqued via an engaging, seminar-style format. The emphasis is on practical application to real-life cases via critical reading, writing, and discussion.

MEDS 6625 Integrative Medicine – Our Patients, Ourselves All semesters 2.0 credits
Through expert guest presentations and class participation, you will become familiar with a wide variety of healing modalities that define Integrative Medicine. In the process, you will acquire the skills of wellness for both yourself and your patients.

MEDS 6626 Molecular Biology Cancer Fall Semester 1.0 credit
Provides an overview of molecular events that occur in the cell that relate to the origins of neoplasia. Provides students the ability to understand/ interpret literature and an appreciation of how biology impinges on the

practical treatment of cancer.

MEDS 6629 The Healer's Art Spring Semester 1.0 credit

Course Restrictions: Phase I and II students.

The Healer's Art is a 5-session elective that engages students in a discussion focusing on the meaning of physicianhood and the practice of medicine. The course facilitates students in clarifying, strengthening, and making a personal commitment to medicine.

MEDS 6632 Literature, Art, & Medicine Fall Semester 1.0 credit

Class will be held 12:00 Noon – 2:00 PM, Wednesday

Medical students rarely have the opportunity to discuss medicine from the viewpoints provided by literature and the arts. Reading imaginative writing, examining visual images, and writing their own narratives help students interpret the experiences of their patients and colleagues.

Ophthalmology Elective

OPHT 6610 Biology of the Eye Fall Semester 1.0 credit

This course introduces contemporary topics in vision science and ophthalmology. It integrates basic science and clinical science of diseases that affect the eye.

Orthopedic Elective

ORTH 6620 Intro to Orthopedics Spring Semester 1.0 credit

Course Requirement: Must contact Course Director or Coordinator to arrange schedule after adding this elective.

This course covers an overview of orthopedic surgery. Interactive lectures include musculoskeletal oncology, reconstructive surgery, trauma, sports medicine, spine surgery, hand surgery, and primary care orthopedics. Students will also shadow an orthopedic surgeon during clinic and surgery on four afternoons.

Otolaryngology Elective

OTOL 6660 Career Elective in OTOL All Semesters 1.0 credit

Course Requirement: Must contact Course Director or Coordinator to arrange schedule after adding this elective.

The Career Elective in Otolaryngology – Head & Neck Surgery will provide diverse sub-specialty clinical and operative exposure with physician specialists who diagnose and treat disorders of the ears, nose, throat and related structures of the head and neck. Students will also shadow an otolaryngology surgeon during clinic and surgery on four mornings or afternoons.

Pediatric Electives

PEDS 6622 Diabetes Mellitus Summer Semester 3.0 credits

Course Requirement: Must contact instructor immediately to complete application for diabetes camp.

The students will spend 1 week at Diabetes camp where they will learn about diabetes and children. Before and

after camp, time will be spent at the Barbara Davis Center clinic. Clinical research projects may be developed if interested.

PEDS 6623 Warren Village Clinic All Semesters 1.0 credit
An opportunity for Phase I and II students to participate in a pediatric clinic. Students will provide well care, and minor acute, illness care for children. Students are required to attend an orientation and three to four Wednesday evening clinics.

Psychiatry Electives

PSYM 6620 Psychiatry in Great Literature Fall and Spring Semesters 2.0 credits
Course Requirement: This is a two-semester course. Students must complete both fall and spring semesters. Discussions will take place once a month on a Monday evening at 7:00 PM.
Writers, the first thinkers to understand the "whole man," took into account his unconscious. We will illustrate this as reflected in normal development and personality formation, symbolization, fantasy and psychopathology using the characters and texts from Great Literature.

PSYM 6626 Intro to Emergency Psychiatry Fall and Spring Semesters 1.0 credit
Students will learn basics of emergency evaluation with particular focus on suicide, homicide, child abuse, spouse abuse, and incest. Students will see emergency psychiatric consultations with residents, staff or faculty.

PSYM 6633 SUD in Medical Practice Fall and Spring Semesters 1.0 credit
Core reading will supplement clinical experience.
Students will learn basic identification, assessment and treatment of substance abuse disorders through clinical experience, reading, and seminars. Will evaluate patients in 2 afternoon clinics (adolescent and adult treatment program) and 2 seminars.

Surgery Elective

SURG 6660 Career Elective In UROL All Semesters 1.0 credit
Course Requirement: Must contact Course Director or Coordinator within the first two weeks of adding this elective to arrange a course schedule.
Students will be exposed to the diverse spectrum of urologic practice through shadowing Residents and Attendings in clinic and observation in the OR. Students will attend 2-3 urology outpatient clinics held at the VA on Wednesday and Friday afternoons, and ½ (one-half) or full day in the VA OR (Monday, Tuesday or Thursday).

Phase III Required Clinical Clerkships

IDPT 7000 Foundations Doctoring III All Semesters Varied credits
This course is the 3rd year of the longitudinal Foundations curriculum. Students spend one afternoon, 2-3 times a month in the office of a generalist or specialist physician. Credit hours by semester = 0.5 summer, 1.0 fall, 1.0 spring.

IDPT 7001 Integrated Clinicians I Spring Semester 2.0 credits
Course offered Spring semester prior to beginning Phase III clerkship blocks. The course is designed to assist with the transition to the clerkship blocks. Course material will provide students with reinforcement of the fundamental physical exam and presentation skills and important information about the clinical courses.

IDPT 7002 Integrated Clinicians II Fall Semester 2.0 credits
Through didactic and small group sessions, the course will teach advanced clinical skills, translational basic

science, and thread material that is vital to doctoring, but underrepresented in the clinical blocks.

IDPT 7003 Integrated Clinicians III Spring Semester 4.0 credits
Course offered Spring semester end of Phase III clerkship. Through didactic and small group sessions, the course will teach advanced clinical skills, translational basic science, and thread material that is vital to doctoring, but underrepresented in the clinical blocks. Students will also learn critical skills for successful completion of sub-internships and critical care experiences. 2 weeks.

IDPT 7010 Hospitalized Adult Care All Semesters 16.0 credits
Eight-week course focused on the care of the adult inpatient. Students are assigned to two sites, each for 4 weeks: University of Colorado Hospital, Denver Health, Presbyterian St. Luke's, Veterans Affairs Medical Center, Exempla, St. Joseph's, Rose Medical Center.

IDPT 7012 Longitudinal Integrated Clerkship All Semesters 2 credits
This is a multidisciplinary course required of students participating in the LIC. Focus will be on group learning, community involvement, and provision of health care to an urban underserved population. Department Consent Required.

IDPT 7013 Longitudinal Integrated Medicine All Semesters 4-6 credits
This course introduces adult medicine with emphasis on acute illness, chronic disease management, and preventive care. Students will combine inpatient and ambulatory experiences. Department Consent Required.

IDPT 7020 Infant and Adolescent Care All Semesters 12.0 credits
This block introduces clinical objectives to achieve competency in pediatric medicine, emphasizing illness and wellness of children and families, growth, development, physical and mental well-being. Students combine hospital and ambulatory experiences in Denver and other Colorado communities.

IDPT 7021 Musculoskeletal Care All Semesters 4.0 credits
This block combines physical medicine and rehabilitation, Orthopedics, Rheumatology, basic science, and thread topics to develop competency in history and physical exam skills and the use of laboratory data and basic imaging studies to diagnose, treat and prevent abnormalities of the musculoskeletal system.

IDPT 7022 Longitudinal Pediatrics (LIC) All Semesters 2-4 credits
This course introduces pediatric medicine, emphasizing illness and wellness of children and families, growth, development, physical and mental well-being. Students combine inpatient, nursery, and ambulatory experiences. Department Consent Required

IDPT 7030 Obstetrics and Gynecology All Semesters 12.0 credits
Students will work in Ob/Gyn clinics, labor and delivery, OB and GYN wards, and the O.R. They will learn a newborn exam and fundamentals of newborn care. Course offered at University Hospital, Denver Health Medical Center or an AHEC site.

IDPT 7031 Emergency Care All Semesters 4.0 credits
An introduction to the initial evaluation and management of emergently presenting problems in adults and children. Emphasis on recognition, differential diagnosis, and stabilization of shock and trauma. Students will also be exposed to pre-hospital care and concepts of triage.

IDPT 7032 Longitudinal Ob/Gyn (LIC) All Semesters 16.0 credits
This course focuses on care of women in OB/GYN clinics, labor and delivery, OB and GYN wards, and the operating room. Additionally, students will learn a newborn exam and fundamentals of newborn care. Department Consent Required.

IDPT 7033 Longitudinal Emergency Med (LIC) All Semesters .5 credit

This course will provide an introduction to the initial evaluation and management of emergently presenting problems in adults and children. Emphasis will be on disease recognition, differential diagnosis, and stabilization of shock and trauma, as well as pre-hospital care and concepts of triage. Department Consent Required.

IDPT 7040 Psychiatric Care All Semesters 8.0 credits
Students will work closely with attendings and residents to care for adults and/or children. Students have a choice of twelve (12) unique clinical settings including emergency department, consult service, inpatient and outpatient.

IDPT 7041 Neurologic Care All Semesters 8.0 credits
Students will participate in the diagnosis and treatment of patients with a wide variety of acute and chronic neurologic disorders. Formal teaching is provided in Attending Rounds, student seminars, resident seminars and departmental Grand Rounds.

IDPT 7042 Longitudinal Psychiatry (LIC) All Semesters 2-4 credits
This course will focus on psychiatric care of adults and children. Clinical experiences will include ambulatory settings, impatient units, psychiatric emergency room, consults, and psychiatric specialties. Department consent required.

IDPT 7043 Longitudinal Neurology (LIC) All Semesters 2-4 credits
This course focuses on the diagnosis and treatment of patients with a wide variety of acute and chronic neurologic disorders. Students will participate in inpatient and ambulatory care settings. Department Consent Required.

IDPT 7050 Peri/Operative Care All Semesters 16.0 credits
While gaining experience in surgery and anesthesiology, students study surgical diseases and participate in the operative care and delivery of anesthesia during the perioperative period. Assessment and management of common inpatient and ambulatory procedures are emphasized from initial patient referral to discharge.

IDPT 7052 Longitudinal Surgery/Anesthesia (LIC) All Semesters 4 credits
This course focuses on surgical diseases. Students will participate in operative care and delivery of anesthesia. Assessment and management of common inpatient and ambulatory procedures are emphasized from initial patient referral to discharge. Students will combine ambulatory, inpatient and operating room experiences. Department Consent Required.

IDPT 7062 Longitudinal Family Medicine (LIC) All Semesters 2-4 credits
This course focuses on chronic ambulatory care of adults and children. Students will participate in the provision of comprehensive patient-centered primary care to underserved communities and will focus on longitudinal acute and chronic disease management, prevention and health behavioral change. Department Consent Required.

IDPT 7070 Community and Primary Care All Semesters 16.0 credits
An interdisciplinary clerkship where students will be immersed into the Primary Care setting. Students will have the opportunity to work with volunteer Primary Care physicians located primarily in Urban and Suburban communities in the Denver Metro area. Longitudinal acute and chronic disease management, prevention and health behavioral change will be emphasized. Course focus is chronic care of adults, including outpatient experiences and planned didactics.

IDPT 7075 VA Sequential Training Program All Semesters 1.0 credit
The VA Sequential Training Program is a 6-month clinical immersion with mixed-methods educational content focused on professional identity development, resiliency, and unique skills needed to successfully care for a Veteran population.

IDPT 7080 Integrated Longitudinal Medicine Clerkship (LIC) All Semesters 16 – 32 credits
Course Restrictions: This course is a longitudinal clerkship integrating components of the Phase 3 HAC, AAC and RAC blocks. Students must be eligible for Phase 3 clerkships. Students must be approved by course director to

take the course.
The ILMC is a unique 16-wek longitudinal clerkship allowing students to fulfill competencies for HAC, AAC and the RCC blocks in one continuous teaching site. Students spend 12 weeks at one learning site preceded by an initial month of HAC in the Denver metropolitan area.

IDPT 7085 Integrated Longitudinal Medicine Clerkship All Semesters 2.0 credits
This is a multidisciplinary course required of students participating in the ILMC program. The focus will be on supervised, self-directed and team learning, community involvement, and provision of health care within a community.

IDPT 7090 Mentored Scholarship III Fall and Spring Semesters 1.0 credit
A four-year requirement for students to complete a mentored scholarly project and a capstone presentation. Project can be in one of the following thematic areas: basic research, clinical research, global health, epidemiology and public health, humanities and social sciences.

IDPT 7095 Research Track III Fall and Spring Semesters 1.0 credit
Course Restrictions: Must be a Research Track Student, this course replaces the Mentored Scholarship requirement.
Students clarify and plan Phase IV process for completing Research Track requirements.

Phase IV Required Clinical Clerkships

IDPT 8004 Integrated Clinicians 4 Spring Semester 4.0 credits
Through didactic and small group sessions, the course will teach advanced clinical skills, translational basic science and thread material that is vital to doctoring but underrepresented in the clinical blocks

IDPT 8005 Integrated Clinicians 5 Fall and Spring Semesters 4.0 credits
ICC 5 is a required Phase IV course that will provide you with essential learning opportunities to begin residency and your career to include ACLS, legal malpractice, teaching skills, finance, leadership skills and specialty specific clinical reviews.

IDPT 8090 Mentored Scholarship IV Fall and Spring Semesters Longitudinal weeks
Students work intensively with mentors on their chosen MSA Project. Students critically review background literature, define a question/hypothesis, develop and implement methods and student design, collect date, analyze and interpret data, and submit written progress reports for their MSA project.

IDPT 8095 Research Track IV Fall and Spring Semesters Longitudinal weeks
Course Restrictions: Must be a Research Track Student, this course replaces the Mentored Scholarship requirement.
Students complete requirements for Research Track which includes submission to a national scientific journal of a first author manuscript which meets mentor-standards as appropriate for submission. Students will present their work at the Capstone event.

Prerequisite for all Phase IV Electives: Completion of Phase III Clinical Core Clerkships

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Phase IV Anesthesiology Electives

ANES 8000 Clinical Anesthesiology All Semesters 2 or4 Weeks

Students will work one-on-one with anesthesia faculty and residents to gain further practical experience in all aspects of Peri-operative care; improving skills gained in the third year and developing a deeper understanding of the breadth of anesthetic practice. Course is completed at Children's Hospital Colorado and Denver Health.

ANES 8001 Surgery Intensive Care Sub-I All semesters 4 Weeks

Prerequisite: ANES 8000

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

The goal is to prepare MSIV's for internship by having them manage 'their' patients, present on multidisciplinary rounds, call consults, assist/performing procedures, discuss clinical topics & receive didactics. Honors requires clinical excellence and a written paper. Students to have Anesthesia Department Monthly Academic Calendar on the Friday before they start.

ANES 8002 ANES Subspecialties All Semesters 2 or4 Weeks

Course exposes students to subspecialty areas in Anesthesiology. Students will attain additional experience in selected areas of anesthetic practice. Options include Acute and Chronic Pain, L & D, Cardiothoracic, Neurosurgery, Transplant, General OR, General OR at the VA, and Outpatient.

ANES 8100 ANES Elective Away All semesters 4 Weeks

Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs and there may be additional requirements for these.

ANES 8600 Research Anesthesiology All Semesters 2, 4, 8, or 12 Weeks

Prerequisite: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.

This course allows students to complete a research project in Anesthesiology.

ANES 8630 ANES Research Away All Semesters 2, 4, or 8 Weeks

Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs and there may be additional requirements for these.

Phase IV Dermatology Electives

DERM 8000 Dermatology Clinical Elective All Semesters 2 Weeks

Course Restrictions: Two-week rotations only.

This course is designed to provide a broad overview of medical, surgical and pediatric dermatology. Students will become familiar with the differential diagnosis and treatment of common skin disease, and procedural dermatology including skin biopsies and cryosurgery.

DERM 8001 Dermatology Clerkship All Semesters 4 Weeks

This course is designed to provide a broad overview of medical, surgical and pediatric dermatology. Students will become familiar with the differential diagnosis and treatment of common skin disease, and procedural dermatology including skin biopsies and cryosurgery.

DERM 8300 DERM Elective Away All Semesters 2 or 4 Weeks

Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

This research elective will be held at a site in Colorado or another state

DERM 8600 Research in Dermatology All Semesters 2, 4, or 8 Weeks

Prerequisite: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.

Research elective allows the student to design and implement a basic science, clinical or epidemiologic research project relevant to dermatology or cutaneous biology. Students are expected to participate in research seminars and to present their results.

DERM 8630 DERM Research Away All Semesters 2, 4, or 8 Weeks

Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs and there may be additional requirements for these.

Phase IV Emergency Medicine Electives

EMED 8004 Emergency Medicine - University Hospital Spring Semester 2 or 4 Weeks

Students are primary caregivers in a level I trauma center with a variety of patients and individual teaching time with attendings and senior residents. Ideal for students seeking instruction in the assessment and management of the undifferentiated patient.

EMED 8005 Emergency Medicine Denver Health Spring Semester 4 Weeks

Course restrictions: Spring semester only, January – May

This rotation is designed for the senior medical student who may be applying to primary care or other specialties who wants to gain exposure to emergency medicine.

EMED 8006 Emergency Medicine Career Elective Summer and Fall Semesters 4 Weeks

Course Restrictions: Emergency Medicine Career track students only until Section 21.

This rotation is specially designed for the senior medical student who has decided on emergency medicine as a career and will be applying to emergency medicine residencies.

EMED 8010 Climate Change and Medicine Fall and Spring Semesters 2 Weeks

Climate change has profound impacts on health including food insecurity, degraded air quality, civil unrest, and changes in vector- borne disease. This course explores the physiologic, ecologic and social interactions resulting in these impacts and provides a foundation in climate med and skills in science communication, policy and advocacy.

EMED 8011 Underrepresented Minority Career Elective in EMED Fall and Spring Semesters 4 Weeks

Purpose: Guide and support medical students from URM groups who have an interest in pursuing EM as a career. This is an advanced clinical rotation at DHMC and UCH. Students work clinical shifts and participate in community service that focuses on reducing health care disparities and increasing the diversity of the healthcare workforce.

EMED 8017 Peds Emergency Denver Health Medical Center All Semesters 2 or 4 Weeks

Course Restrictions: Experience at Denver Health Medical Center. *See PEDS 8025 for experience at Children's Hospital Colorado.*

Students will serve as the primary caregivers in the Denver Emergency Center for Children at Denver Health, a pediatric emergency department treating 30,000 children annually. Students will be fully integrated into the team, treating children with acute and urgent illnesses.

EMED 8024 Clinical Toxicology All Semesters 4 Weeks

Introduction to Medical Toxicology at Rocky Mountain Poison and Drug Center. Conferences and didactic instruction provided daily. Short presentations required. Training in initial management, diagnosis, and treatment of poisoning. May include patient care at DH, UCH, and CHCO.

EMED 8030 Rural Emergency Medicine All Semesters 2 or 4 Weeks

Requisite: A continuation of the Emergency Care Clerkship.

This course is for students who seek more in-depth knowledge and additional clinical skills, relating to Emergency Care in the rural setting.

EMED 8031 Wilderness Medicine Spring Semester 2 Weeks

Course Restrictions: Must be a 4th year student in good academic standing. Variable fee. Course offered sections 47 and 48 only.

Students will learn core wilderness medicine principles in small group and lecture-based formats then apply their knowledge to scenarios in wilderness settings. The course will spend the first week near Estes Park and the second week near Moab, UT.

EMED 8050 Emergency Medicine – Colorado Springs All semesters 2 or 4 Weeks

Course Restrictions: Course offered all semesters except sections 9-13 in 4th year.

Students will work with Emergency Medicine clinical faculty seeing patients in Colorado Springs' community-based Emergency Dept. Students will be exposed to the full range of Emergency Medicine.

EMED 8100 EMED Elective Away Spring and Summer Semesters 2 or 4 Weeks

Prerequisite: Department approval must be obtained and hen approval by the Associate Dean for Student Affairs. These must be at least one month in advance of start.

This Emergency Medicine elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs.

EMED 8600 Research in EMED All Semesters 4, 8 or 12 Weeks

Prerequisite: Special permission from the department and individual arrangements must be completed.

Designed for students interested in Emergency Medicine research. Tailored research experiences in the Denver area can be established in a variety of settings. Speak with the course director to design this elective.

EMED 8630 EMED Research Away All Semesters 4 Weeks

Prerequisite: Department approval must be obtained and hen approval by the Associate Dean for Student Affairs. These must be at least one month in advance of start.

This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Life, and there may be additional requirements for these.

Phase IV Family Medicine Electives

FMMD 8002 UC Health Family Medicine Sub-I All Semesters 4 Weeks

Course Restrictions: Not available in section 9.

Experience CU Family Medicine! Students will be members of the inpatient service team at the Anschutz Inpatient Pavilion, take call, and will spend 2 half days per week at the A.F. Williams Family Medicine Center (outpatient clinic).

FMMD 8007 Outpatient Family Medicine Fall and Spring Semesters. 4 Weeks

Course is an outpatient family medicine at A.F. Williams Family Medicine Center and Denver Health's Lowry Family Medicine Clinic. Multidisciplinary faculty including pharmacologists, behavioral scientist, and experienced family physicians and residents caring for a diverse group of patients.

FMMD 8008 Occupational/Environmental Medicine in Family Medicine All Semesters 2 or 4 Weeks

Prerequisite: Course director approval required to add this elective.

Students will learn principles of Occupational and Environmental Medicine. A variety of assessments ranging from sport physicals, commercial/FAA exams to complex disability evaluations will be taught. Elective taught by Drs. Stephen Gray or James Bachman.

FMMD 8012 Oral Health: Acute Dental Fall and Spring Semesters 2 Weeks

Prerequisite: Course director approval required to add this elective.

Restrictions: This elective is not be offered in June, July, August, or December.

The focus of this elective is on recognition, assessment, triage, and treatment of acute dental problems, such as pain, infection, and trauma. Students interested in rural or underserved primary care practice should take this elective.

FMMD 8014 PCMH: Concept & Practice Spring Semester 2 Weeks

Course Restrictions: Only offered Sections 39 and 40. Prior approval by the Course Director or coordinator needed.

Learn why the Patient Centered Medical Home is a comprehensive model that will revolutionize primary car of the 21st century. Students will study the evidence behind the main principles of the PCMH and experience them in action at PCMH-certified clinics.

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FMMD 8017 Northern Colorado Family Medicine/OB Sub-I All Semesters 4 Weeks

Students work with family medicine faculty & residents while acting as the primary provider for several patients daily. Students see patients & assist team with daily tasks, while participating in the care of hospitalized adults, patients in OB triage, labor & delivery, postpartum, & normal newborn. 2wks inpatient medicine, 2weeks OB/Newborn.

FMMD 8018 St. Joseph-Bruner Family Medical Center Sub-I Spring and Summer Semesters 4 Weeks

At the SJH FM Residency, the sub-intern will engage in both inpatient and outpatient clinical care. They will be an integral part of the Family Medicine Service during their inpatient weeks. The outpatient time will occur in the residency clinic, serving an urban, under-served patient population in Denver and surrounding areas.

FMMD 8019 St. Anthony North Family Medical Center Sub-I All Semesters 4 Weeks

Students will engage in outpatient and inpatient care during this sub-internship at a Colorado family medicine residency. You will be supervised by the senior resident or faculty attending while on this rotation. This rotation is split into Inpatient, OB if desired, and outpatient clinics.

FMMD 8020 St. Mary's Family Medicine Sub-I All Semesters 4 Weeks

Students will practice as a PGY-1 on this Sub-I. The schedule includes 2 weeks admitting and rounding on the teaching service, 1 week of night float with a focus on independence, cross-cover, and evening ICU & Peds rounds, and 1 week of the family med clinic, a fully integrated PCMH. Faculty Attendings give individual attention to learning.

FMMD 8021 Southern Colorado Family Medicine Sub-I All Semesters 4 Weeks

During the Sub-I at the Southern CO Family Medicine residency, students will work with 2 interns and 2 upper level residents on the inpatient medicine service, with some opportunities to cross-cover on pediatrics & obstetrics. Several half-days per week, the student will be able to attend High-Risk OB and specialty outpatient clinics.

FMMD 8022 Swedish Family Medicine Sub-I Fall and Summer Semesters 4 Weeks

Students will engage in outpatient and inpatient care during this sub-internship at the Swedish family medicine residency. Students will work with residents and faculty in the out-patient clinic, on the Inpatient Service, in the nursing home and at the school-based clinic.

FMMD 8023 Fort Collins Family Medicine Sub-I All Semesters 4 Weeks

We provide students with exposure to full scope family medicine. Our Sub-Internship includes 3 weeks of inpatient medicine, seeing patients on the medicine, peds and Ob services. There is 1 week of outpatient, where Sub-Is will see adults, children, and prenatal patients; and do nursing home visits, procedures, and other specialty care clinics. work with residents and faculty in the out-patient clinic, on the Inpatient Service, in the nursing home and at the school-based clinic.

FMMD 8100 FMMD Elective Away All Semesters 2 or 4 Weeks

Prerequisites: Department approval must be obtained and then approval by Associate Dean for Student Affairs.
Course Restrictions: Must work with a family physician. Students must have learning objectives approved by course director. These must be completed at least one month in advance of start.

This elective will be held at a site in Colorado or another state. Can be done in private offices or a Colorado Residency Program if not structured as a Sub-I. All rotations out of state (even if considered a Sub-I at an out-of-state residency program are required to register as FMMD 8100.)

FMMD 8600 Research in FM All Semesters 2,4, 8 or 12 Weeks

Prerequisites: Course director approval is required to add this course. Personal goals and objectives related to the area of scholarship must be approved by the course director.

Course Restrictions: Must be supervised by a family physician or Department of Family Medicine faculty. Approval of Faculty, research goals and objectives must be approved in advance as well.

Students may participate in scholarly work directed by specific Family Medicine faculty members including practice-based research, curriculum development, patient education projects, and other scholarly activities. A DFM MSA or research mentor must supervise and are responsible for evaluations.

Phase IV Interdepartmental Electives

IDPT 8000 Foundations Doctoring IV All Semesters Varied Weeks

Course Restrictions: To register please email SOM.FDC@ucdenver.edu. For graduation requirements, this course counts one week (2.0 cr.) for summer semester and two weeks (4.0 cr.) each for Fall and Spring semesters.

This course continues the established student-preceptor relationship from the FDC course. Students attend their preceptor office 2-3 times per month. Students will work with a panel of patients or families serving as their physician under the supervision of their preceptor.

IDPT 8001 Tutoring in Foundations Fall and Spring Semesters Varied Weeks

Course Restrictions: To register please email SOM.FDC@ucdenver.edu. For graduation requirements, this course counts one week (2.0 cr.) each for Fall and Spring semesters.

Fourth year students are trained how to be tutors and then use their skills with first- and second-year students learning physical exam and communication skills. Learn how to coach small groups of students, give feedback and evaluate student performance. Fall and Spring.

IDPT 8003 Geriatrics All Semesters 2 or 4 Weeks

This Geriatric Medicine elective will allow students to participate in the evaluation and care of elderly patients as part of the Geriatric Evaluation and Management team (GEM) comprised of internal medicine residents and geriatric attending physicians. Care settings include post-acute care at the VA Community Living Center and the State Vets Home at Fitzsimmons, home care, outpatient clinic, and hospice. Clinical experiences and care settings can be varied based on individual student interests.

IDPT 8007 Medicine / Pediatrics All Semesters 2 or 4 Weeks

Course Restrictions: Course Director approval required to add this course.

This focus of this elective is to help students discern whether to pursue combined residency training in Internal Medicine and Pediatrics. This course will expose students to possible career paths available for Med-Peds providers within primary and specialty care settings.

IDPT 8011 Clinical Nutrition All Semesters 2 Weeks

Course Restrictions: Contact: laura.primak@ucdenver.edu, two weeks prior to start date.

Develop your nutrition assessment skills with this elective, tailored to your needs with adult and/or pediatric inpatients and/or outpatients with a variety of conditions and diseases. Active learning with exceptional mentors is emphasized. Please confirm areas of nutrition interest with course coordinator at least one month prior to start.

IDPT 8014 Global Health US Project All Semesters 4 or 8 Weeks

Course Restrictions: Course director approval required to add course.

This course is the continuation of IDPT 6667 and 6668. Students will undertake a global health project at a US-based site under the supervision of their designated mentor and local supervisors.

IDPT 8015 Global Health Intl Project All Semesters 4 or 8 Weeks

Course Restrictions: Course director approval required to add course.

This course is the continuation of IDPT 6667 and 6668. Students will undertake a global health project at an international site under the supervision of their designated mentor and local supervisors.

IDPT 8016 Physician as Educator Fall and Spring Semesters 1 Week

Prerequisite: Prior approval by the Course Coordinator required to add this course. Course Restrictions: This is a two-semester course offered Fall and Spring semesters. For graduation requirements, each semester counts one week (2.0 cr.).

This elective is intended to develop your skills as an effective teacher in clinical settings. This will include participation in evening teaching workshops, co-precepting first- and second-year medical students at Stout Street Clinic and Foundations of Doctoring skills sessions.

IDPT 8018 Global Health & Disaster Fall Semester 2 Weeks

Course Restrictions: Section 27 only.

This course prepares its participants for international experiences and future global health work. This is an interactive training course which incorporates readings, lectures, small group problem-based learning exercises, technical skill sessions, online coursework and a disaster simulation exercise. Learning Objectives for the Two-Week Course.

IDPT 8020 Physician as Advisor Fall and Spring Semesters Longitudinal Weeks

Prerequisites: Fourth year standing and selection as a “Student Advisor” in the Advisory College Program.

Course Restrictions: This is a two-semester course offered Fall and Spring. For graduation requirements, each semester counts one week (1.0 cr.)

Physician as Advisor teaches fourth year students to advise peer students in an Advisory College Program. It will prepare students for careers in academic medicine by developing skills in advising, leadership, and administration as well as self-assessment.

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IDPT 8021 Costa Rica Spanish Immersion Spring Semester 4 Weeks

Prerequisites: Course Director approval required. This Spanish immersion and community health elective is most appropriate for students who have studied Spanish in at least at the "Advanced Beginner" level. Students who have not studied Spanish in high school or college should have Spanish language experience equivalent to one of the following; past instruction in the School of Medicine's SABES or SABES-II (Clinical Medical Spanish) elective; or successful completion of Common Ground International's Beginning I Medical Spanish course. Contact course coordinator for information.

Course Restrictions: Offered Section 37 only. The estimated charge (by Common Ground International) is $3,350, which includes: travel, medical insurance; home stay lodging and two meals per day; language classes and class materials; a comprehensive Medical Mission Handbook; and transportation to and from afternoon health tours and volunteer sites. This fee also includes course coordination and support by the onsite program coordinator, seminars by local Costa Rican health experts and staffing by clinical preceptors.

This Spanish immersion course in Costa Rica includes home stays, intensive language instruction and public health outreach activities in underserved communities. Students should be passionate about providing care to disadvantaged patients in the U.S. or abroad and committed to improving their Spanish language skills.

IDPT 8022 Clinical Medical Spanish Fall Semester 4 Weeks

Prerequisites: 2 years of College Level instruction in the Spanish language, Conversation Level ability, some knowledge of Medical Spanish. Evaluation by Spanish language instructor prior to registration approval is required.

Course Restriction: Offered section 21 only. Course fee: $330 plus textbooks.

Clinical Medical Spanish is a near-immersion experience in medical Spanish: consisting of intensive classroom instruction in medical Spanish, a clinical Sub-internship at Denver metro-area outpatient clinics, and a final presentation to the class. Home stays with a Spanish-speaking family may be possible.

IDPT 8023 Refugee Health II All Semesters 2 or 4 Weeks

Course Restrictions: Course director approval required to add this elective as it depends on availability.

Refugee Health II will provide Phase IV medical students with clinical exposure to the multifaceted nature of refugee healthcare through two- or four-week commitments at the Colorado Refugee Wellness Center.

IDPT 8024 Leadership Reading Elective All Semesters 4 Weeks

This online reading elective is divided into 4 one-week modules and is designed to strengthen a student's understanding of leadership and how it impacts patient care, professionalism, and medical organizations.

IDPT 8025 Ultrasound – EM-DHHA All Semesters 4 Weeks

Clinician-performed ultrasound is an integral skill in a number of medical specialties. This elective will enable students to gain valuable skills related to the acquisition and interpretation of bedside ultrasound images. This elective will involve didactic and hands-on educational opportunities.

IDPT 8027 Critical Care & Procedural Skills Spring Semester 2 Weeks

This course explores the role of racism and homogenous beliefs/values in medicine and how cultural incompetence perpetuates health disparities. Students learn about race as a social construct, theories related to class, and the impact of unconscious bias on health outcomes. The class urges students to confront discomfort in healthy ways.

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IDPT 8030 Laboratory Medicine Fall Semester 4 Weeks

Course Restrictions: Course offered section 17 only.

This elective gives senior students comprehensive instruction in using laboratory tests. It reviews physiologic and biochemical phenomena on which laboratory tests are based and emphasizes approaches to interpret laboratory data, awareness of indications, and pitfalls of laboratory tests.

IDPT 8035 International Experiences Fall and Spring Semesters 4-8 Weeks

This course allows fourth year students to complete an international experience at an approved and vetted international site. The experience may include clinical work, language immersion, or a combination of both.

IDPT 8040 Physician as Healthcare Improver All Semesters 1 Week

Students complete 16 IHI Open School on-line courses to earn their Basic Certificate of Completion. Course content includes: quality improvement, patient safety, leadership, patient/family-centered care, and managing health care operations. Students also reflect on learning and implication for future career.

IDPT 8053 Medical Improvisation Spring semester 2 Weeks

The Medical Improvisation elective uses interactive improvisation theater techniques to increase learner ability and confidence in patient-centered communication. Prior research has established Medical Improvisation's suitability for both advanced and beginning clinicians and multiple medical schools have incorporated this curriculum.

IDPT 8090 Mentored Scholarship IV Fall and Spring Semesters Longitudinal Weeks

Students work intensively with mentors on their chosen MSA Project. Students critically review background literature, define a question/hypothesis, develop and implement methods and student design, collect date, analyze and interpret data, and submit written progress reports for their MSA project.

IDPT 8091 MSA Phase IV Preparation All Semesters 4 Weeks

Prerequisite: Prior approval of Mentor, Course Director, and Associate Dean for Student Affairs, required.

Students work intensively with mentors on their chosen MSA Project. Students critically review background literature, define a question/hypothesis, develop and implement methods and study design, collect data, analyze and interpret data, and submit written progress reports for their MSA project.

IDPT 8093 IDPT Scholarly Activity All Semesters 4 Weeks

Prerequisite: Special permission and individual arrangements required in advance. Student must have a faculty/project mentor who will sign off on the project.

Restriction: Cannot be taken after Section 47.

This course is designed to allow students to complete scholarly work not appropriately covered by other available courses (e.g. MSA work beyond IDPT 8091).

IDPT 8095 Research Track Phase IV Fall and Spring Longitudinal Weeks

Prerequisite: Required if enrolled in Research Track, taken in place of IDPT 8095.

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Students complete requirements for Research Track which includes submission to a national scientific journal of a first author manuscript which meets mentor-standards as appropriate for submission. Students will present their work at the Capstone event.

IDPT 8500 Independent Study in Research or Other Degree All Semesters Varied Weeks

Prerequisite: Consent from the School of Medicine's, Associate Dean of Student Life, required.

This elective allows students either enrolled in a joint degree program (such as MBA/MD or MBIOS/MD) or doing a research fellowship (such as Howard Hughes or Doris Duke) to remain as students and receive malpractice coverage while involved in maintaining clinical skills.

IDPT 8540 DH-LIC Capstone Social Medicine Spring Semester 2 Weeks

A 2-week elective available to alumni of the DH-LIC and required for students enrolled in the DH-LIC Longitudinal Scholarship in Social Medicine Elective. This elective provides in-depth content and expert speakers covering topics in social medicine, disparities, health care systems and public and population health.

IDPT 8601 Research Track, Research I All Semesters 4 Weeks

Course Restrictions: Limited to and required for Phase IV (MS4) good standing Research Track medical students.

The first of two courses for Phase IV Research Track medical students. Students are expected to spend full time working on their research project and towards the Track required goals of submitting an abstract and a first-author publication.

IDPT 8602 Research Track, Research II All Semesters 4 Weeks

Prerequisite: IDPT 8601, Research Track, Research I.

Course Restrictions: Limited to and required for Phase IV (MS4) medical students who are in good standing in the Research Track. May be repeated once as an elective.

The second of two courses for Phase IV Research Track medical students. Students are expected to spend full time working on their research project and towards the Track required goals of submitting an abstract and a first-author publication.

IDPT 8610 Research/Scholarly All Semesters 1 Week

Prerequisite: Students must have completed all 3rd year required courses and be in good academic standing. Students must apply and be selected by the Scholar's year committee to participate.

This 3-semester longitudinal course is an adjunct to the scholar's year for the work in progress during scholar's year, and requires twice a semester check ins with the Office of Student Life and reflection on career trajectory. Courses to be taken between 3rd year clinical courses and 4th year electives.

IDPT 8640 Denver Health-LIC Longitudinal Scholarship Fall Semester 2 or 4 Weeks

A longitudinal elective available to alumni of the Denver Health-LIC program, aimed at providing in-depth mentored project work and a longitudinal curriculum in social medicine and population health. The longitudinal course will count as a research elective.

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Phase IV Medicine Electives

MEDS 8001 Medicine Sub-I — All Semesters — 4 Weeks

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

The sub-intern functions as an intern and is responsible for the admission, evaluation, and continuing care of patients under the supervision of a Resident and an Attending. Sub-internships are offered at DHMC, P/SL, UCH, VAMC, and St. Joseph's Hospital.

MEDS 8002 Hospital Medicine Sub-1 — All Semesters — 4 Weeks

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

Experience hospitalist medicine firsthand by working one-on-one with an attending and developing a quality improvement initiative. You will also gain the skills to excel from the start of intern year by being the primary provider for your patients.

MEDS 8004 Cardiology — All Semesters — 4 Weeks

Designed to offer a broad general exposure to adult cardiology, including history, physical examination, and an introduction and review of standard noninvasive testing.

MEDS 8005 Cardiac Diagnostic Skill — All Semesters — 2 Weeks

Course is at Exempla St. Joseph Hospital. Goals are to improve cardiac physical diagnosis skills, interpret EKG findings, recognize abnormal heart sounds and murmurs; and analyze cardiac chest x-ray findings. Includes didactic sessions and home study.

MEDS 8006 Allergy/Clin Immunology — Fall and Spring Semesters — 2 or 4 Weeks

Prerequisite: Course Director approval required to add course.

Offered at UCHealth and National Jewish Medical Center. Allergy and clinical immunology with direct patient contact in allergy and immunology clinics. Opportunities to participate in inpatient consultations, observe clinical immunology laboratory techniques, and library research.

MEDS 8007 Clinical Renal — All Semesters — 2 or 4 Weeks

A four-week elective course in electrolyte, hypertensive, acute and chronic renal failure, glomerular (including diabetes) disorders, and hospital services. The students will see consults on all services, learn to maintain and analyze flow sheets, review problems with residents and fellows. Students will also be exposed to clinical outpatient Nephrology.

MEDS 8009 Clinical Infectious Diseases — All Semesters — 2 or 4 Weeks

UCH, DHMC, and VA Hospital assigned. Hospitalized patients with a variety of infectious diseases are available for study. Diagnosis, pathophysiology, immunology, epidemiology, and management, including use of antimicrobial agents are emphasized. Students attend and participate in ward rounds and conferences.

MEDS 8010 Clinical Gastroenterology — All Semesters — 2 or 4 Weeks

Students will participate in work up of both hospitalized and ambulatory patients with gastrointestinal (GI)

illnesses. GI pathophysiology will be emphasized. Students attend weekly conferences in clinical gastroenterology, radiology and pathology. They are invited to observe procedures. Hospital is assigned.

MEDS 8011 Pulmonary Fall and Spring Semesters 4 Weeks

The goal of the Pulmonary Medicine elective rotation is to expose the physician-in-training to patients with pulmonary disease that are encountered in the primary care and acute care hospitalization setting as well as in the sub-specialist's realm.

MEDS 8012 Clinical Rheumatology All Semesters 4 Weeks

Prerequisite: Must have completed Medicine Clerkship

Students will learn how to recognize, diagnose, and treat common rheumatic disorders. Students will attend all formal teaching conferences in the Division of Rheumatology and attend 6 or more outpatient clinics each week at Denver Health, Denver VA, and the University campus.

MEDS 8013 Endocrinology All Semesters 2 or 4 Weeks

Course requirement: Ability to obtain a valid VA badge and computer access codes. Please contact course coordinator at least 8 weeks prior to rotation to begin the VA badging process. 2-week rotations offered from September - May only.

Introduction to evaluation and management of endocrine disorders via outpatient clinics and inpatient consults at VAMC, DHMC, UCH. Endocrine-focused history-taking and physical examination with a complete problem-oriented approach to patient care. Multiple conferences and close interaction with fellows and Attendings.

MEDS 8014 Hematology / Oncology All Semesters 2 or 4 Weeks

Students will attend some of the numerous subspecialty outpatient clinics for patients with various malignancies and benign hematologic problems including blood coagulation. Students are particularly encouraged to attend the inpatient bone marrow transplant and inpatient hematology consult services. Based on individual interests, students can attend outpatient clinics devoted to specific "solid" tumors and other more specialized areas such as pathology specific to hematology and oncology.

MEDS 8015 Care for the Under-served Fall and Spring Semesters 4 Weeks

This elective is for students interested in Internal Medicine and care for under-served populations. Students will rotate in a clinic at Denver Health, the DAWN clinic (student-run clinic for under-served patients) and complete a healthcare disparities project.

MEDS 8017 Hospice/Palliative Care All Semesters 2 or 4 Weeks

Prerequisite: 1) Course Director approval required to add course. 2) Contact Dr. Youngwerth 1 week prior to starting course

Course Restriction: Please contact Dr. Jean Youngwerth via email if you drop the course.

This is an introduction to hospice and palliative care. Students will explore the physical, social, psychological, and spiritual aspects of patient care of the terminally ill at hospice and learn to elicit goals of care and acute symptom control in the hospitalized patient with serious illness.

MEDS 8023 Medicine Consult All Semesters 2 or 4 Weeks

Medicine Consult is for students interested in learning about medical issues of surgical patients and performing general medical consultations for non-medical services. This elective will be useful to the student interested in a career in hospital medicine or surgical subspecialties.

MEDS 8025 Medical Oncology All Semesters 4 Weeks

Students will learn the basic aspects of medical oncology by evaluation of patients in the general oncology and subspecialty oncology clinics. They will attend the weekly multi-disciplinary tumor conferences and fellow didactic conferences.

MEDS 8029 Applied Clinical Pharmacology Spring Semester 4 Weeks

This course provides fourth year medical students with a practical approach to the pharmacologic treatment of common clinical conditions. There will be three 1-hour lectures each day, ten additional hours of independent study per week, and a final examination. The course is taught in classroom lecture format. There are three lectures per day, every day during the 4-week period.

MEDS 8032 Corrections Health Care Fall Semester 2 Weeks

Prerequisite: Course Director approval required to add this course.

Provide primary care to inmates in corrections facilities. Experiences include manipulative or drug-seeking patients, the interface between health care and the legal system, and issues in correctional health care (i.e., HIV, TB).

MEDS 8034 Critical Care St Joe's Sub-I All Semesters 4 Weeks

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

Course Restrictions: Maximum enrollment of 2-3 students, depending on Section number: (3 spots are generally available May thru September.)

Student sub-internship on one-resident/one-intern team, 10 daytime alternating with 5 nighttime shifts, one day off weekly. Student attends daily ICU Cardiology/Pulmonary/interdisciplinary rounds, Morning Report, and Noon conference and will enhance skills in evaluating, managing and communicating with critically ill patients and families.

MEDS 8037 Critical Care UH All Semesters 4 Weeks

Prerequisites: Sub-I in Medicine or Surgery.

The critical care sub-internship will provide training in the care of critically ill ICU patients. Emphasized skills will include management of respiratory failure, hemodynamic instability, severe electrolyte abnormalities, gastrointestinal emergencies and common ICU procedures.

MEDS 8038 CAM Wellness Elective All Semesters 2 or 4 Weeks

Prerequisites: Course director approval required to add this course.

In-depth exploration of complimentary/alternative medicine therapies and personal wellness will be facilitated through didactic sessions, field trips, online learning, reflection, and self-directed project.

MEDS 8039 AIDS & American Culture Spring Semester 2 Weeks

Course Restrictions: Offered during section 49 only.

This course approaches HIV/AIDS as a biomedical, social, political and creative phenomenon. We will investigate the discourse and images of AIDS in journalistic writing, autobiography, fiction, poetry, film, television and photography.

MEDS 8040 Film and Mental Illness Spring Semester 2 Weeks

Restrictions: Offered during section 43 only.

There is a well-documented relationship between movies and psychiatry. How accurate are film depictions of psychiatric conditions? How have cinematic representations shaped our personal responses, cultural beliefs, and social policies regarding persons the mentally ill and those who care for them?

MEDS 8050 Community Hospital Medicine – Colorado Springs All Semesters 2-4 Weeks

Students will work with Hospital Medicine faculty seeing patients on the inpatient medical wards at a busy, large community hospital. Students will be exposed to a wide range of acute medical issues in patients presenting to the hospital. Course offered all semesters accept May and December.

MEDS 8051 Gastroenterology – Colorado Springs All Semesters 2-4 Weeks

Students will work with Gastroenterology clinical faculty seeing patients in the outpatient, inpatient, and endoscopy community settings. Student will be exposed to the full range of adult gastroenterological disease. The rotation is designed for students to experience the practice and life of a community-based Gastroenterologist.

MEDS 8052 Medical Critical Care – Colorado Springs All Semesters 4 Weeks

Students will work with a critical care physician and critical care team evaluating critically ill patients in consultation on the hospital wards and providing primary care to the patients in the Intensive Care Units at a large busy community health system.

MEDS 8053 Adult Cardiology – Colorado Springs All Semesters 2-4 Weeks

This elective provides an opportunity to learn about the history, physical exam, and diagnostic cardiac procedures of adults with heart disease by working directly with attending cardiologists in the outpatient clinic, rounding and performing consults in the hospital, and performing and interpreting cardiac testing.

MEDS 8100 MEDS Elective Away All Semesters 2 or 4 Weels

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

Course Restrictions: Not available sections 49 and 50.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these. Course is Pass/Fail only.

MEDS 8600 Research in Medicine All Semesters 2, 4, 8, or 12 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

Course Restrictions: Not available sections 49-50. Course is pass/fail.

Students perform clinical, basic science or health services research under the supervision of an Internal Medicine faculty member. Project is defined with individual mentor and approved by course director.

MEDS 8630 MEDS Research Away All Semesters 2, 4, or 8 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

Course Restrictions: Not available sections 49-50. Course is pass/fail.

This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

Phase IV Neurology Electives

NEUR 8000 Neurology All Semesters 2 or 4 Weeks

Course Restrictions: 2-week rotation allowed only for special circumstances and with Course Director approval one month prior to beginning of course.

This elective offers students additional clinical experience with patients who have neurologic disorders. A program is prepared at one of three teaching institutions (University of Colorado Hospital, Denver Veterans Affairs Medical Center, or Denver Health Medical Center) for this rotation.

NEUR 8100 NEUR Elective Away All Semesters 2 or 4 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

NEUR 8600 Research in Neurology All Semesters 2, 4, 8, or 12 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

This course will allow the student to design and conduct research project with a member of the Neurology Faculty.

Phase IV Neurosurgery Electives

NSUR 8014 Neurosurgery Sub I All Semesters 4 Weeks

Prerequisite: USMLE Step 1 Score 230 or higher required

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

Intensive rotation emphasizing care and management of neurosurgical patients, with close patient responsibility. Weekly conferences and lectures required, and students must present a case with topic discussion. Recommended for students with interests in neurosurgery, neurology, emergency medicine and trauma surgery.

NSUR 8100 NSUR Elective Away All Semesters 2 or 4 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may additional requirements for these.

NSUR 8600 Research in Neurosurgery All Semesters 2, 4, 8, or 12 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

A written evaluation must be sent to Dr. Yasuaki Harasaki and Krystin Martinez.

NSUR 8630 | NSUR Research Away | All Semesters | 2, 4, or 8 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

Course Restrictions: Not available sections 49-50.

This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

Phase IV Obstetrics/Gynecology Electives

OBGY 8000 | General Obstetrics Sub I | All Semesters | 4 Weeks

Prerequisite: Must be enrolled at least 6 weeks prior to start date in order to perform background check and badging requirements.

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

Course Requirements: MUST be applying to Ob/Gyn residency. One 24-hour shift on a weekend is required. Service assignment and materials will be emailed prior to the rotation start, which will include the location to report on your first day.

Offered at DHMC only. Includes experience in outpatient high risk obstetrics, inpatient antepartum, intrapartum, postpartum, and family planning. Student works under clinical supervision of residents and attending staff. This elective is designed to expose the student to a variety of outpatient subspecialty obstetrical clinics. The student works under the direct supervision of attending physicians. An end of rotation presentation is required.

OBGY 8001 | General Gynecology Sub I | All Semesters | 4 Weeks

Prerequisite: Must be enrolled at least 6 weeks prior to start date in order to perform background check and badging requirements.

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

Course Requirements: MUST be applying to Ob/Gyn residency. One 24-hour shift on a weekend is required. Service assignment and materials will be emailed prior to the rotation start, which will include the location to report on your first day. Offered at DHMC only.

This course is designed to allow students to become integrally involved with the general gynecology service. Students will partake in all clinical activities of the service, including operative procedures, management of inpatient gynecology conditions, and emergency room consultation. The student works under the direct supervision of attending physicians. An end of rotation presentation is required.

OBGY 8002 | Directed Study in OBGYN | All Semesters | 4 or 8 Weeks

Prerequisites: Must have approval from specific faculty involved and from Course Director to register.

Students may obtain detailed and intensive directed study with specific faculty members. Opportunities such as clinical research projects, laboratory projects, directed literature reviews, and special clinical rotations are available.

University of Colorado **Anschutz Medical Campus**

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OBGY 8004 High Risk Maternal/Fetal Sub-I All Semesters 4 Weeks

Prerequisites: Passing grade in core Obstetrics and Gynecology Clerkship

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

The student will function as a sub-intern and team member in the care of high-risk obstetrical patients at the University of Colorado Hospital. In addition to inpatient care duties, the student will attend the high-risk obstetrics conference and clinic (currently held Tuesday afternoons in AOP).

OBGY 8005 Gynecologic Oncology Sub-I All Semesters 4 Weeks

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

The student will attend GYN Oncology clinics, scrub in on GYN Oncology surgical cases, and round on inpatients with the team, functioning as an acting intern. The student will attend pathology conference weekly with the team. Student will be required to perform a literature review and talk on a selected topic and will have an oral exam.

OBGY 8009 GYN Subspecialties All Semesters 4 Weeks

Course Restrictions: This elective is for University of Colorado students only, no visiting students.

This elective is designed to expose the student to a variety of outpatient subspecialty gynecologic clinics. These clinics include colposcopy, pediatric gynecology, vulvovaginitis, urogynecology, and pelvic pain. The student works under the direct supervision of attending physicians. An end of rotation presentation is required.

OBGY 8012 UCHealth Gynecology Sub-Internship Summer, Fall, Spring 4 Weeks

Prerequisite: MUST be applying to Ob/Gyn residency.

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

This course is designed to allow students to become integrally involved with the general gynecology service. Students will partake in all clinical activities of the service, including operative procedures, management of inpatient gynecology conditions, and emergency room consultation. This elective is designed to expose the student to a variety of outpatient subspecialty gynecologic clinics. The student works under the direct supervision of attending physicians. An end of rotation presentation is required. One 24-hour shift on a weekend is required. Service assignment and materials will be emailed prior to the rotation start, which will include the location to report on your first day.

OBGY 8015 Group Prenatal Care: Pregnancy and Parenting Partners All Semesters Longitudinal Weeks

Course Restrictions: Entire year counts for 2 weeks.

Students will follow a cohort of women through a group prenatal and postpartum care program. Students will work with Certified Nurse Midwives (CNM) and group facilitators to provide prenatal exams and to facilitate educational sessions with an underserved population.

OBGY 8100 OBGY Elective Away All Semesters 2 or 4 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

OBGY 8600 Research in OBGYN All Semesters 2, 4, 8, or 12 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

This research elective will be held at a site in Colorado or another state.

OBGY 8630 OBGY Research Away All Semesters 4 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

This research elective will be held at a site in Colorado or another state.

Phase IV Ophthalmology Electives

OPHT 8000 Ophthalmology All Semesters 2 or 4 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

This elective is designed for MS4 students seriously considering a career in Ophthalmology. Students rotate at each hospital with in- depth exposure to each subspecialty area. Students are expected to participate with in- and out-patient care, call activities, teaching rounds, conferences.

OPHT 8100 OPHT Elective Away All Semesters 2 or 4 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

OPHT 8600 Research Ophthalmology All Semesters 2, 4, 8, or 12 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

A final written evaluation must be mailed to Course Director who will assign the final grade.

OPHT 8630 OPHT Research Away All Semesters 4 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

Phase IV Orthopedic Electives

ORTH 8000 Orthopedic Surgery Sub-I Summer, Fall 4 Weeks

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

This course is designed as an elective in Orthopedic Surgery for students desiring residency training in Orthopedics or another surgical specialty. The student will function as a “sub intern” on a resident/faculty team in two hospital settings.

ORTH 8001 Orthopedic Primary Care Spring Sem 2 or 4 Weeks

This course is designed as an elective in musculoskeletal medicine in route to a career in primary care or other overlapping field. The focus is on outpatient musculoskeletal medicine.

ORTH 8005 Sports Medicine All Semesters 4 Weeks

Course Restrictions: This is a surgical orthopedic elective.

Course provides clinical experience in musculoskeletal sports medicine. Students will primarily be based in the CU Sports Medicine Clinic and will participate in patient evaluation with considerable operative exposure as well. This is not a non-operative Sports Medicine program.

ORTH 8006 Alpine Orthopedics Spring Semester 4 Weeks

Prerequisites: Students must have completed ORTH 8000 and be applying to orthopedic residency.

Orthopedic elective (4 weeks) designed for students on the path to orthopedic surgery residency who are seeking education and experience in a small mountain community. The course will be based out of Crested Butte, CO which has a high volume of sports injuries. Course will also offer exposure to rural orthopedics in Gunnison and Telluride.

ORTH 8050 Sports Medicine – Colorado Springs All Semesters 2-4 Weeks

This elective provides the opportunity to learn about the diagnosis and treatment of common sports injuries and sports-related medical conditions by working with orthopedic surgeons, physical therapists, and athletic trainers in the clinic, hospital, schools, and sports training facilities.

ORTH 8100 ORTH Elective Away All Semesters 2 or 4 Weeks

Prerequisites: Department approval must be obtained.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

ORTH 8600 Research in Orthopedics All Semesters 4, 8, or 12 Weeks

Prerequisites: The student should contact the Departmental Office 3-4 months in advance to arrange a meeting with a member of the Orthopedics faculty to define a project.

Provides an opportunity to participate in research at the clinical or basic science level.

ORTH 8630 ORTH Research Away All Semesters 2, 4, or 8 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

Phase IV Otolaryngology Electives

OTOL 8000 Clinical Otolaryngology Summer, or Spring 4 Weeks

For students strongly considering an ENT career. Offers in-depth clinical and operative exposure. Also useful for those seeking primary care to further hone head and neck exam skills and treatment of ENT pathology.

OTOL 8050 Otolaryngology (ENT) – Colorado Springs All Semesters 2 Weeks

Patient care in relation to head and neck - ear, nose and throat ailments. Students will experience both outpatient

and inpatient interactions. Will see procedures in clinic as well as in the operating room and participate in rounds at the hospital.

OTOL 8100 OTOL Elective Away All Semesters 2 or 4 Weeks

Prerequisites: Department approval must be obtained.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

OTOL 8600 Research Otolaryngology All Semesters 4, 8 or 12 Weeks

Students will gain experience in Otolaryngology-related research in basic or clinical science at the University of Colorado.

OTOL 8630 OTOL Research Away All Semesters 2, 4, or 8 Weeks

Prerequisites: Department approval must be obtained at least one month in advance of course start date.

This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

Phase IV Pathology Electives

PATH 8000 Pathology All Semesters 2 or 4 Weeks

Individualized rotation schedule is based on student's interests. Typical experiences include Anatomic Pathology (AP) services (surgical, cyto-, autopsy, and pediatric pathology). Subspecialty rotations in AP (hemato-, neuro-, renal, urologic, GI, pulmonary, and molecular pathology) or Clinical Pathology (CP) (clinical chemistry, microbiology, coagulation).

PATH 8050 Pathology – Colorado Springs All Semesters 2 or 4 Weeks

Students will work with Pathology faculty and residents in the long-standing Penrose-St Francis Pathology Residency Program in Colorado Springs. Students will engage in experiential learning in laboratory medicine, anatomic pathology, and participate in didactics.

PATH 8100 PATH Elective Away All Semesters 4 Weeks

Prerequisites: Department approval must be obtained and then approval by Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

PATH 8600 Research in Pathology All Semesters 2, 4, 8, or 12 Weeks

Prerequisites: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.

The student will rotate in a Department of Pathology laboratory or with faculty member with ongoing research relevant to student's clinical or long-term academic interests. Rotation can be in a basic science laboratory or focused on a clinical research topic of interest.

PATH 8630 PATH Research Away All Semesters 2, 4, or 8 Weeks

Prerequisite: Departmental approval must be obtained and then approved by the Associate Dean for Student Affairs. These must be completed at least one month in advance of the start.

This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

Phase IV Pediatric Electives

PEDS 8000 Pediatric Sub-I All Semesters 4 Weeks

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

Designed for those students interested in further training in Pediatrics. Students will function as an intern and are responsible for the admission, evaluation, and continuing care of patients. Sub-internships are offered at Children's Hospital and Denver Health.

PEDS 8004 Pediatric Cardiology All Semesters 4 Weeks

The student will make rounds with the cardiology team, see consults, attend outpatient clinics, and participate in cardiac catheterizations and conferences. Evaluation of children with heart diseases by history, physical examination, ECG, x-ray, echocardiography, and cardiac catheterization are stressed.

PEDS 8005 Allergy and Immunology CHCO All Semesters 2 or 4 Weeks

Course Restrictions: Available sections 1, 5, 33, 37, and 45.

Offered at CHCO and DHMC. The student will work alongside allergy and immunology providers and share in the care of patients from clinic, as well as inpatient consults. Opportunities will be provided to observe skin testing, food/drug challenges, immunotherapy, and pulmonary function testing.

PEDS 8006 National Jewish Immunology and Allergy Summer or Spring Semester 2 or 4 Weeks

Students participate in the care of outpatients at National Jewish, attend lectures, rounds and conferences. Opportunities provided to observe laboratory procedures in immunology and pulmonary physiology laboratories.

PEDS 8007 Child Abuse and Neglect All Semesters 2 or 4 Weeks

Students learn about basic principles of child abuse and neglect. They participate in team evaluations of outpatient and inpatient child abuse cases and attend court. Held at Children's Hospital and the Kempe Center. Primarily observational and includes independent study.

PEDS 8008 Birth Defects/Genetics All Semesters 4 Weeks

Rotation includes experience in the general genetics, inherited metabolic diseases, muscle, neurocutaneous, and outreach clinics. Students will participate in diagnosis, pedigree assessment and management, complete consultations with faculty, attend conferences, and visit laboratories

PEDS 8009 PEDS Infectious Disease All Semesters 4 Weeks

This course provides experience in the pathophysiology, diagnosis, and therapy of childhood infections. Students evaluate in-patients and present cases at daily teaching rounds. Experience in the diagnostic Microbiology laboratory is provided. There is a weekly HIV/infectious diseases clinic.

PEDS 8010 EPAC Individualized Elective All Semesters 2-12 Weeks

This course allows students in the Education in Pediatrics Across the Continuum (EPAC) to develop an individualized learning experience. This may include rotations in areas that do not have an existing course or a combination of experiences across courses.

PEDS 8011 PEDS Pulmonary Disease All Semesters 2-4 Weeks

Basic background knowledge in pediatric pulmonary physiology and disease will be provided. The student will attend rounds, clinics, and weekly conferences and participate in hospital consultations. Students will be expected to present a case discussion on a pediatric pulmonary topic.

PEDS 8012 Pediatric Neurology All Semesters 4 Weeks

Prerequisites: Must have completed all 3rd year clerkships. Visiting students will be vetted by faculty.

Child Neurology provides students with the opportunity to gain experience evaluating children with a wide variety of neurological problems. Students will round on hospital and clinic patients, complete assigned readings and attend Neurology grand rounds.

PEDS 8013 Pediatric Endocrinology All Semesters 2 or 4 Weeks

Patients with abnormalities of growth and sexual development, thyroid disorders, and diabetes mellitus are evaluated and treated. Extended diagnostic testing and management are conducted on ward rounds, in endocrine and diabetes clinic, and in clinical research clinics.

PEDS 8015 PEDS Neonatology Sub I All Semesters 4 Weeks

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

Student actively participate in the care of critically-ill infants including work rounds, attending rounds, conferences and night call. Experience will be gained in procedures and ventilator management. Students are assigned to University Hospital, Denver Health, or Children's Hospital.

PEDS 8018 General Academic PEDS All Semesters 2 or 4 Weeks

This course offers experience in a busy, urban ambulatory pediatrics clinic at Children's Hospital. Students will learn about assessment and treatment of general pediatric illnesses and normal development and be trained in techniques for offering anticipatory guidance.

PEDS 8020 Adolescent Medicine All Semesters 4 Weeks

Restrictions: This course is not offered in the summer while school-based clinics are out of session.

This elective provides basic knowledge and clinical skills in diagnosis and management of medical problems during adolescence, including development of skills in interviewing and counseling adolescents in various health care settings.

PEDS 8021 Peds Disability Medicine All Semesters 4 Weeks

Pediatric Disability Medicine is a four-week course designed to give students exposure to important concepts of disability, issues affecting children with disabilities and their families, multidisciplinary clinical care of this population and an introduction to transition to adulthood.

PEDS 8022 Peds Gastroenterology All Semesters 2 or 4 Weeks

Restrictions: Not available section 9.

This rotation is designed for students with a specific interest in pediatrics and/or gastroenterology. Students participate in pediatric gastroenterology inpatient and outpatient services, procedures and scheduled conferences.

PEDS 8023 Healthy Beginnings Clinic 4th Year Manager Fall and Spring Semesters 1 week

Prerequisite: Students must be members of the Warren Village Healthy Beginnings Clinic Steering Committee.

Fourth year course for students who are already members of the Warren Village Healthy Beginnings Clinic Steering Committee. Students will continue to attend meetings and manage clinic. They are also expected to lead teaching and clinical development of students.

PEDS 8024 Child Development/Behaviors All Semesters 4 Weeks

Medicals students will participate in the medical assessment and treatment of children with developmental and behavioral problems. They will attend lectures, participate in the seminars, and observe multidisciplinary assessments of children with developmental disorders. Primarily observational.

PEDS 8025 Peds Emergency Medicine All Semesters 2 or 4 Weeks

Restrictions: Experience at Children's Hospital Colorado. See EMED 8017 for experience at DHMC. **Prerequisites:** Must have completed all 3rd year clerkships. Visiting students will be vetted by faculty.

Students gain experience in assessment and management of common conditions in Children's Hospital Colorado emergency department including minor emergencies, acutely ill children, and traumatic diagnoses. Procedural experience at student's level, and at attending's discretion, will also be gained.

PEDS 8026 Pediatric Nephrology All Semesters 2 or 4 Weeks

Students will actively participate in the care and evaluation of patients with common pediatric renal conditions such as hematuria, proteinuna, electrolyte disturbances, chronic renal insufficiency, hypertension, hemodialysis, peritoneal dialysis, and renal transplantation.

PEDS 8027 Pediatric ICU Sub-I All Semesters 4 Weeks

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

The student assumes responsibility for the care of critically ill children and will learn pathophysiology of critical illness, enhance skills in reporting and interpreting clinical date, and gain experience in the diagnosis and therapy of a broad spectrum of illnesses.

PEDS 8029 Breastfeeding Management All Semesters 2 Weeks

Prerequisites: Contact Dr. Maya Bunik and Laura Primak 2 weeks prior to start. CHCO, WIC, UCH, are lactation clinics.

An introduction to breastfeeding as a medical topic, with precepting by lactation specialists at clinical sites and

self-directed learning through complementary activities. Assessment and management of mother/infant breastfeeding dyad.

PEDS 8030 Vaccination in Pediatrics All Semesters 4 Weeks

Prerequisites: Must have completed all 3rd year clinical clerkships.

Students develop extensive knowledge in ambulatory general pediatrics with an emphasis on vaccine preventable diseases. Experiences include didactics on vaccination, vaccine screening, advocacy, and report writing. Exposure to laboratory vaccine research supported but requires availability.

PEDS 8031 Pediatric Hematology/Oncology All Semesters 4 Weeks

Provides a good overview of pediatric, hematology and oncology and exposures to a wide variety of diagnostic and therapeutic problems. Students participate in educational sessions, outpatient clinics add inpatient management.

PEDS 8032 Pediatric Radiology All Semesters 2 or 4 Weeks

Prerequisites: Must have completed all 3rd year clinical clerkships.

The Department of Diagnostic Radiology at Children's Hospital Colorado offers a 2 or 4 week pediatric radiology elective rotation. Here students will gain exposure to all imaging modalities including: radiology, ultrasound, fluoroscopy, nuclear medicine (including PET/CT, CT and MRI). Additionally students are encouraged to attend the many departmental and inter-department conferences. This valuable experience will assist in understanding the basics of pediatric imaging and correlation with anatomy and pathology. Ultimately, this experience will aid in improving pediatric care and guide you in ordering appropriate exams. The goals of the rotation are to develop skills in basic image interpretation and learn indications for specific diagnostic modalities.

PEDS 8050 Pediatric Gastroenterology – Colorado Springs All Semesters 4 Weeks

Students will see patients in the pediatric GI inpatient and outpatient setting. Students will be exposed to common GI procedures. The rotation is designed for students with specific interest in pediatrics and gastroenterology.

PEDS 8051 Pediatric Cardiology – Colorado Springs All Semesters 4 Weeks

This elective provides an opportunity to become acquainted with the special diagnostic and therapeutic problems of the infant and child with heart disease. Diagnosis by history, physical exam, electrocardiography (fetal and pediatric) chest x-ray, etc. will be emphasized.

PEDS 8052 Pediatric Hematology Oncology – Colorado Springs All Semesters 4 Weeks

Students will see patients in the pediatric Heme/Onc inpatient and the outpatient setting. Students will be exposed to common Heme/Onc procedures. The rotation is designed for students with specific interest in pediatrics and hematology oncology.

PEDS 8053 PEDS Neurology – Colorado Springs All Semesters 2 or 4 Weeks

Students will see patients in the pediatric neurology inpatient and the outpatient setting. Students will be exposed to common neurology procedures. The rotation is designed for students with specific interest in pediatrics and neurology.

PEDS 8054 Pediatric ENT – Colorado Springs All Semesters 2 or 4 Weeks

Students will see patients in the pediatric ENT inpatient and the outpatient setting. Students will be exposed to

common ENT procedures. The rotation is designed for students with specific interest in pediatrics and otolaryngology.

PEDS 8100 PEDS Elective Away All Semesters 2 or 4 Weeks

Prerequisites: Department approval must be obtained. This must be completed at least one month in advance of start. Restriction: Sections 49-50 not available.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

PEDS 8600 Research in Pediatrics All Semesters 2, 4, 8, or 12 Weeks

Prerequisites: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean of Student Affairs.

Course Restrictions: Sections 49-50 not available.

This course provides an opportunity for students to participate in clinical or basic science research. The student must identify a research project and mentor and receive approval the course director. Course is graded on a pass/fail basis only.

PEDS 8630 PEDS Research Away All Semesters 2, 4, or 8 Weeks

Prerequisites: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

Course Restrictions: Sections 49-50 not available.

This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and here may be additional requirements for these.

Phase IV Physical Medicine and Rehabilitation Electives

PHMD 8000 Physical Med & Rehab All Semesters 4 Weeks

This elective provides experience in the diagnosis and treatment of patients with pathology of the neurologic and musculoskeletal systems. 4 different locations (VA, Denver Health, University Hospital, The Children's Hospital) allow treatment of a variety of conditions related to rehabilitation.

PHMD 8100 PHMD Elective Away All Semesters 2 or 4 Weeks

Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

PHMD 8600 Research Physical Med All Semesters 2, 4, 8, or 12 Weeks

Prerequisites: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.

Written evaluation must be sent by individual instructor, with course director responsible for final grade.

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Phase IV Preventative Medicine Electives

PRMD 8003 Specialty Preventive Med All Semesters 4 Weeks

Prerequisite: Course Director approval required to add course.

Designed for students interested in exploring the field of preventive medicine. Tailored educational experiences in the Denver area in a variety of settings. Speak with the course director to design this elective.

PRMD 8006 Dir Study Ethics/Humanities All Semesters 2, 4, 8, or 12 Weeks

Prerequisite: Course Director Approval required to add course.

Selected students may participate in directed scholarly work in Bioethics and Medical Humanities with specific faculty members. Opportunities such as directed literature reviews, clinical research projects, curriculum development projects, and other scholarly activities are available.

PRMD 8100 PRMD Elective Away All Semesters 4 Weeks

Prerequisites: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

Restrictions: Not available sections 49-50.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

PRMD 8600 Research Preventive Med All Semesters 4, 8, or 12 Weeks

Prerequisites: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.

Designed for students interested in preventive medicine research. Tailored research experiences in the Denver area can be established in a variety of settings. Speak with the course director to design this elective.

PRMD 8630 PRMD Research Away All Semesters 4 or 8 Weeks

Prerequisites: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

Phase IV Psychiatry Electives

PSYM 8000 Advanced Adult Inpatient Psychiatry All Semesters 4 Weeks

Course Restrictions: This is a rigorous and challenging rotation which will help prepare students for management of ill psychiatric patients no matter their career choice. Students considering psychiatry as a career should take a required sub-internship in medicine, family medicine, pediatrics or surgery.

Students take responsibility as primary provider for seriously ill patients, work closely with treatment team directed by an attending psychiatrist. Students assume responsibilities for care of patients that interns typically

assume: performing H&Ps, writing orders, giving "bad news" when appropriate

PSYM 8001 Primary Care Substance Problem All Semesters 2 or 4 Weeks

Prerequisites: Course Director approval required to add course

In treatment programs, experts' tutorials, and readings, students learn approaches to 6 common primary-care substance problems, such as addiction in pain disorders, pregnancy, smoking with tobacco-induced illness, and substance involved adolescents. Students write a paper on the 6 clinical problems.

PSYM 8003 Elective in Psychiatry All Semesters 2 or 4 Weeks

Prerequisite: Contact coordinator to confirm availability

Students in conjunction with the office of psychiatry medical student education, choose to work with patients on an inpatient psychiatry ward, outpatient clinic or other psychiatry units as a member of a treatment team.

PSYM 8004 Advanced Child & Adolescent Inpatient Psychiatry All Semesters 4 Weeks

Prerequisite: Contact coordinator to confirm availability.

Evaluate and manage adolescents with psychiatric disorders. Students will be members of multidisciplinary team learning about psychopathology, psychopharmacology, psychotherapy, family therapy, and other treatment modalities. Students will learn about systems of care.

PSYM 8006 Clinical PSYM Consultation/Liaison All Semesters 4 Weeks

Prerequisite: Contact coordinator to confirm availability.

Consultation-Liaison Psychiatry a unique discipline within the field of psychiatry which combines knowledge of medical illnesses, psychotherapy and psychopharmacology with an ability to forge liaisons within the medical community. Evaluate and help manage patients with psychiatric disorders within medical settings.

PSYM 8007 Clinical PSYM Emer Srvs All Semesters 4 Weeks

Prerequisite: Contact coordinator to confirm availability.

Learn the essentials of identification, assessment, and treatment of patients with substance use disorders. Emphasis on screening and brief intervention techniques. Learn principles of detoxification for alcohol, opioids, and cocaine; interpretation of drug testing results; proper prescribing practices.

PSYM 8008 Forensic and Correctional Psyc All Semesters 4 Weeks

Prerequisite: Contact coordinator to confirm availability.

Introduction to the interface of criminal law and psychiatry. Students will be involved in the evaluation of people entering pleas of incompetency to stand trial by reason of insanity as well as the treatment and restoration process.

PSYM 8009 Clinical PSYM Addiction All Semesters 4 Weeks

Prerequisite: Contact coordinator to confirm availability.

Learn the essentials of identification, assessment, and treatment of patients with substance use disorders. Emphasis on screening and brief intervention techniques. Learn principles of detoxification for alcohol, opioids, cocaine, interpretation of drug testing results, proper prescribing practices.

PSYM 8010 Clin PSYM Eating Disorders All Semesters 4 Weeks

Prerequisite: Contact coordinator to confirm availability.

Evaluate and manage patients with eating disorders under the direction of fellows and Attendings. Student will gain specific knowledge of classification, epidemiology, etiology, physiology, and treatment of eating disorders.

PSYM 8100 | PSYM Elective Away | All Semesters | 2 or 4 Weeks

Prerequisites: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

PSYM 8600 | Research in Psychiatry | All Semesters | 2, 4, 8, or 12 Weeks

Prerequisites: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.

Research electives in various areas of Psychiatry. Contact Sharon Hunter, PhD for menu of research options.

Phase IV Radiology Electives

RADI 8000 | Diagnostic Radiology | All Semesters | 4 Weeks

Course Restrictions: Course not available sections 29 and 33.

An introduction to the interpretation of images and the role of diagnostic imaging in patient care. Clinical observation, lectures, and independent study at UH/AOP. Only 2 days of absence permitted for any reason.

RADI 8001 | Radiology for Non-Radiologists | Spring Sem. Course | 2 Weeks

Restrictions: Course not available sections 29 and 33.

Two-week course providing specialty focused radiology education, designed to help students be prepared for both internship year and their future career. Students will spend time with specific sub-specialty trained radiologists, based on interest, while reviewing foundational radiology course work.

RADI 8002 | Nuclear Medicine | All Semesters | 2 or 4 Weeks

Course Restrictions: Course not available sections 29 and 33.

Nuclear Medicine encompasses the various uses of radioactive compounds in medical diagnosis and therapy. Students participate in the supervision and interpretation of nuclear medicine procedures under the guidance of the staff/residents at the AOP. Students will attend daily conferences.

RADI 8007 | Interventional Radiology | All Semesters | 2 or 4 Weeks

Interventional Radiology is the diagnosis and treatment of disease conditions using minimally invasive image (fluoroscopy, US, CT) guided procedures. The student will round with the team, participate in procedures, and attend daily conferences. Only 2 days of absence permitted in 4week course and 1 day of absence in 2week course.

Course Schedule: (May-Dec): 1 student for 2-week course and 1 student for 4-week course (Jan-April).

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RADI 8050 Interventional Radiology – Colorado Springs All Semesters 2 Weeks

Patient care in relation to interventional radiology inpatient setting. Procedures may include intravascular emergencies, lines, PEG tube CT guided procedures; ultrasound guided procedures; drain placements and observing radiology readings.

RADI 8100 RADI Elective Away All Semesters 2 or 4 Weeks

Prerequisites: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start. If the rotation is not a formal course given at another medical school/hospital, the student must also provide a description of duties/responsibilities to be performed during the rotation.

Course Restrictions: Not available sections 49-50.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

RADI 8600 RADI Elective Away All Semesters 2, 4, 8, or 12 Weeks

Prerequisites: Approval must be obtained from the course director prior to starting the course. For rotation approval, the student must provide:

1. Name and contact information for the research mentor (address, email address and phone number);
2. Approval from the mentor;
3. The topic of your research project(s);
4. The goals for your project/research time.
5. End of rotation summary of work performed/completed signed by the research mentor must be submitted to the course director along with the written evaluation.

Phase 4 medical students perform clinical or basic science research under the supervision of a Radiology faculty member. Project is defined with individual mentor and approved by course director. Course is graded on a pass/fail basis.

RADI 8630 RADI Research Away All Semesters 2, 4, 8, or 12 Weeks

Prerequisites: Approval must be obtained from the course director prior to starting the course. For rotation approval, the student must provide:

1. Name and contact information for the research mentor (address, email address and phone number);
2. Approval from the mentor;
3. The topic of your research project(s);
4. The goals for your project/research time.
5. End of rotation summary of work performed/completed signed by the research mentor must be submitted to the course director along with the written evaluation.

Phase 4 medical students perform clinical or basic science research under the supervision of a Radiology faculty member. Project is defined with individual mentor and approved by course director. Course is graded on a pass/fail basis.

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Phase IV Radiation Oncology Electives

RAON 8005 Radiation Oncology All Semesters 4 Weeks

The student will learn the basic tools and techniques of radiation oncology, evaluate patients before and after treatment, learn specialized exam techniques, and participate in consultations and multi-modality cancer treatment planning.

RAON 8100 RAON Elective Away All Semesters 4 Weeks

Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

RAON 8600 Research RAD Oncology All Semesters 4 Weeks

Prerequisites: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean of Student Affairs.

This elective is designed to acquaint the student with current research developments, knowledge and techniques in radiation oncology.

RAON 8630 RAON Research Away All Semesters 4 Weeks

Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

Phase IV Surgery Electives

SURG 8000 Gen Surgery Univ. Sub-I All Semesters 4 Weeks

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

This General Surgery Sub-I rotation is designed to provide medical students with broad cognitive, procedural, and communication skills to appropriately manage surgical patients in the IP/OP clinical setting of the University of Colorado Hospital.

SURG 8001 Gen Surgery DHMC Sub-I All Semesters 4 Weeks

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

Prerequisite: Course director approval required to add this course. A mentor will be required.

Acute Care Surgery Team at a Level I Trauma Center. Course emphasizes pre- and postoperative evaluation, O.R. decisions making and clinical research. Student will attend clinics, rounds, conferences and surgical procedures. A Faculty Mentor is for the research component.

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SURG 8002 Gen Surgery St. Joseph's Sub-I All Semesters 4 Weeks

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

Held at Exempla St. Joseph Hospital with emergency & elective surgery. Emphasize pre- and postoperative care. Graduated operating room experience and exposure to skills lab. Active participation in surgery clinic. Housestaff team assignments with assigned faculty mentors. Active daily conferences, including Grand Rounds and M&M.

SURG 8008 Cardiothoracic Surgery Sub-I All Semesters 4 Weeks

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

Adult cardiac and general thoracic surgery and critical care monitoring on the Cardiothoracic Service at UH and Denver VAMC. Students will participate in preoperative, operative and postoperative care.

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SURG 8010 Burn Critical Care/Surg Summer and Fall Semesters 4 Weeks

Acting sub-intern on Burn Service working with Burn and related Surgical Critical Care cases. A high level of patient care responsibility including bedside procedures burn care and line charges. Work with attending faculty and gain a multidisciplinary approach to burns. There will be a lot of operating experience.

SURG 8011 Hand Surgery All Semesters 4 Weeks

The students will participate in all aspects of the hand service including the emergency room outpatient clinics inpatient/outpatient operative and non-operative treatment. Emphasis is on acute hand and upper extremity diseases trauma their treatment and rehabilitation.

SURG 8012 Urology Sub-I All Semesters 4 Weeks

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

All students will rotate two weeks blocks at UCH, VA, CHCO, and DH. One week will be with the residents to familiarize yourself with the system and clinical practice. The second week you will be with an attending physician and will participate in clinic, the operating room and round on patients.

SURG 8015 Pediatric Surgery All Semesters 2 or 4 Weeks

Student will assume major clinical responsibility for pediatric surgical patients, will work with housestaff, share patient care and work ups, act as liaison to families, attend operations and teaching conferences, and actively participate in the surgical management of infants and children.

SURG 8019 Plastic Surgery All Semesters 4 Weeks

Students learn basic principles of wound healing, care, and management; management and reconstruction of maxillofacial trauma; head and neck cancer; congenital anomalies; tissue transplantation; cosmetic surgery; and plastic/reconstructive management of post-burn and post-surgical patients.

SURG 8021 Surgical Critical Care Sub-I All Semesters 4 Weeks

Graduation Requirement: This course meets the UC SOM Sub-I requirement.

Assigned to surgical ICU, work with critical care residents, fellow and staff. Students gain experience in resuscitation, hemodynamic monitoring, mechanical ventilation, nutritional support, bedside ultrasound and all aspects in care of critically ill surgical patients.

SURG 8030 Transplant Surgery All Semesters 4 Weeks

Medical student will round with transplant team, which includes: Surgeons, Nephrologists, and Hepatologists. They will be exposed to all aspects of transplant care including preoperative work up, donor surgery, transplant surgery, post-operative care.

SURG 8050 Trauma Surgery – Colorado Springs Summer and Spring 2 or 4 Weeks

Patient care in emergency surgery/acute care surgery and trauma. Student will participate with inpatient, outpatient and clinic patients. Student will see pre-op, post-op, and emergency patients. Only open June and July. Enrollment limit June and July: 3. Enrollment limit if offered August-May: 1.

SURG 8051 Plastic Surgery – Colorado Springs All Semesters 2 Weeks

Patient care in both emergency plastic surgery such as acute major lacerations, cartilage repair, bone repair of face, skin grafting, flap repairs with soft tissue loss. Patient care in elective plastic surgery including all cosmetic surgery.

SURG 8052 Surgical Critical Care – Colorado Springs All Semesters 4 Weeks

The surgical care clerkship involves the student in the management of medical technology and coordination with a multidisciplinary staff in evidence based, goal oriented, humanistic treatment of critical illness.

SURG 8100 SURG Elective Away All Semesters 2 or 4 Weeks

Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

SURG 8600 Research in Surgery All Semesters 2, 4, 8, or 12 Weeks

Prerequisites: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.

This research surgery elective will be held at a site in Colorado or another state. Students must obtain departmental approval one month prior to start.

SURG 8630 SURG Research Away All Semesters 2, 4, 8, or 12 Weeks

Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

Course Restrictions: Sections 49-50 not available.

This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.