

# MEDICINE (MD)

## Doctor of Medicine (MD)

At the University of Colorado School of Medicine, we educate physicians who are curious, life-long learners with a commitment to serve the profession, our patients, and society.

### Vision

Our graduates will be physician leaders capable of transforming the health of diverse communities.

### Mission

Through a longitudinally integrated curriculum, we aim to educate physician leaders who are curious, life-long learners with a commitment to serve the profession, our patients, and society.

### Values

Leadership. Curiosity. Commitment.

## Leadership

### Dean

**John J. Reilly, Jr., MD**, Vice Chancellor for Health Affairs at CU Denver and Dean for School of Medicine

### Associate & Assistant Deans

**Jennifer Adams, MD**, Assistant Dean, Clinical Core Curriculum

**Brenda Bucklin, MD**, Associate Dean for Continuing Medical Education and Professional Development

**Peter Buttrick, MD**, Senior Associate Dean for Academic Affairs

**Karen Chacko, MD**, Associate Dean, Clinical Outreach

**Amira del-Pino-Jones**, Assistant Dean for Student Affairs

**Jeff Druck, MD**, Assistant Dean for Student Affairs

**Brian Dwinnell, MD**, Associate Dean of Student Life

**Christina Finlayson**, Associate Dean, Clinical Affairs/CU Medicine Medical Director of Adult Health

**Thomas Flaig, MD**, Clinical Research Officer, Associate Dean for Clinical Research

**Anne Fuhlbrigge, MD**, Senior Associate Dean for Clinical Affairs

**Jeff J. Glasheen, MD**, Associate Dean, Quality and Safety Education

**Steven Lowenstein, MD, MPH**, Associate Dean for Faculty Affairs

**Carol Rumack, MD**, Associate Dean for Graduate Medical Education

**Brian T. Smith**, Senior Associate Dean for Administration & Finance; Executive Director and Chief Executive Officer of University of Colorado Medicine

**Jeffrey SooHoo, MD**, Assistant Dean of Admissions

**Chad Stickrath, MD**, Assistant Dean for Education, Colorado Springs Branch

**Adel Younoszai, MD**, Associate Dean, Clinical Affairs - CU Medicine Medical Director for Children's Health

**Shanta Zimmer, MD**, Senior Associate Dean for Education, Associate Dean for Office of Diversity & Inclusion, Faculty Lead LCME Accreditation

## Contacts

### School of Medicine Dean's Office

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13001 E. 17th Place  
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Phone: 303-724-5375

Website: <https://medschool.cuanschutz.edu/deans-office/about-us/contact-us> (<https://medschool.cuanschutz.edu/deans-office/about-us/contact-us/>)

### School of Medicine Office of Admissions

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Fax: 303-724-8028  
Email: [somadmin@ucdenver.edu](mailto:somadmin@ucdenver.edu)

## Admissions

### AMCAS - Applying to Medical School

CU School of Medicine requires all prospective students to apply through the American Medical College Application Service (AMCAS) based in Washington, DC.

The AMCAS online application usually opens in early June. Normally there is a three to four-week delay before the school receives the application from AMCAS due to transcript verification. Students are encouraged to apply **EARLY**.

## Degree and Coursework

The CUSOM requires that students have a baccalaureate degree from an accredited college or university prior to matriculation.

The CUSOM recognizes that the experiences and undergraduate academic experience of our applicants vary greatly. We encourage applicants to explore a diverse, interdisciplinary, and balanced undergraduate education, encompassing the necessary foundational knowledge in the biomedical sciences and humanities. Students need to be adequately prepared in the scientific underpinnings of modern medicine and also understand the psychosocial elements that are critical to its practice.

Accordingly, students should provide evidence to demonstrate competencies in the life sciences, social sciences, physics, and mathematics, based on the AAMC-HHMI Scientific Foundations for Future Physicians (<https://www.aamc.org/download/271072/data/scientificfoundationsforfuturephysicians.pdf>) and AAMC-Behavioral and Social Science Foundations for Future Physicians (<https://www.aamc.org/download/271020/data/behavioralandsocialsciencefoundationsforfuturephysicians.pdf>). These competencies, representing the cumulative knowledge, skills, and commitment to scholarship needed to undertake training as a future physician, can be met through traditional and/or interdisciplinary courses of study in an accredited institution of higher learning, or by other educational, employment, service or life experiences.

Competitive applicants should demonstrate in-depth competency in each of the following areas of study, as reflected by their academic achievements and letters of recommendation.

**Biology:** Applicants should demonstrate an understanding of molecular and cellular biology, genetics, and the principles underlying the structure and function of organ systems and the regulation of human physiology.

**Chemistry/Biochemistry:** Applicants should demonstrate competence in the basic principles of chemistry as it pertains to living systems, and

knowledge of how biomolecules contribute to the structure and function of cells and organs.

**Mathematics/Statistics and Physics:** Applicants should demonstrate competence in the basic principles of physics and mathematics underlying living systems and must be able to apply quantitative reasoning, statistical principles, and appropriate mathematics to describe or explain phenomena in the natural world. A basic understanding of statistics or biostatistics is required to comprehend the quantitative aspects of medicine and biomedical research.

**Social Sciences and Communication:** It is important that applicants demonstrate competence in the humanistic understanding of patients as individuals and members of families, communities, and society. Applicants should be aware of factors that influence individual, community, and societal decisions regarding health and health care delivery. Applicants are expected to speak, write, and read English fluently.

Students are encouraged to consider additional coursework in biochemistry, computer sciences, genetics, humanities, and social sciences.

AP and CLEP courses, as well as online courses, are viewed with a degree of comparability to college courses, as long as the US accredited degree-granting institution includes these credits on their transcript as fulfilling certain institutional requirements. Students who have AP or CLEP credit in the basic sciences are encouraged to take upper-level courses in these areas. Courses taken abroad are treated comparably to traditional courses, as long as these credits are included on the transcript of a U.S. accredited degree-granting institution.

### College Major – Is there a Preferred Major?

All majors are valued. Students are expected to engage in a rigorous academic program that enables them to understand the basic principles of science central to medicine. Independent of the choice of major, applicants are expected to have acquired effective learning habits, refined their critical thinking skills, and engaged in the habit of lifelong learning.

## MCAT

Students must take the Medical College Admissions Test (MCAT), with the oldest exam accepted no more than three years prior to matriculation year. For example, applicants applying for July 2023 matriculation must have MCAT results from January 2020 - October 2022. If the applicant takes the MCAT multiple times, the Admissions Committee will use the best one time composite score.

## Letters of Recommendation

Applicants are required to obtain letters to support their candidacy for admission. We require three to five letters or a committee summary letter; letters can come from a faculty member, clinical experience, research experience, or a current job as the letter transmits cogent information about the applicant's work. Obtaining a letter from the employer with whom you are working with during the application year is highly recommended.

Evidence of a successful engagement in a post-college experience is considered a valuable addition to other letters that also may be part of your file.

Some colleges offer a pre-medical advising system and the committee writes letters for their students. A committee letter is sufficient to meet the medical school letter of recommendation requirements.

All letters must be transmitted electronically through AMCAS' application process. Please visit the AMCAS website for further information on how to apply and submit letters of recommendation, Letters of Rec FAQ . (<https://students-residents.aamc.org/applying-medical-school/faq/amcas-faq/>)

We strongly recommend that letters not be from family friends or others who know the student only peripherally.

## Secondary Application

Upon receipt and verification of the AMCAS application, the Office of Admissions will email eligible applicants the link to our Secondary Application that is to be completed online and submitted by the last day of November.

The secondary application consists of:

- Secondary application processing fee – fee is non-refundable (fee is waived for FAP eligible applicants)
- Required CUSOM essay
- Optional essays of interest in branches or programs
- CASPer test results

Completed secondary applications are forwarded to the admissions committee who perform a holistic review of applications and invite select applicants for an interview. Interview invitations are distributed from roughly August through February.

## The CASPer Test

All applicants applying to the University of Colorado School of Medicine are required to complete an online suite of assessments (Altus Suite), to assist with our selection process for the 2022-2023 Application Cycle.

Altus Suite is a standardized, three-part online assessment of non-cognitive skills, interpersonal characteristics, and personal values and priorities that we believe are important for successful students and graduates of our program. Altus Suite will complement the other tools that we use for applicant review and evaluation. In implementing Altus Suite, we are trying to further enhance fairness and objectivity in our selection process.

Altus Suite consists of:

- **Casper:** a 60-90 minute online situational judgment test (SJT)
- **Snapshot:** a 10-minute one-way interview with standardized questions
- **Duet:** a 15-minute value-alignment assessment

You will register for Altus Suite for **Medicine (UME) (CSP-10111 - U.S. Medicine)**.

Access [www.TakeAltus.com](http://www.TakeAltus.com) to create an account and for more information on **important dates and requirements**, and the Altus Suite assessments.

## Application Fee Payments & Waivers

Students invited to complete the secondary application must submit an application processing fee of \$100 with the secondary application. An application fee waiver will be granted to applicants who received

approval from the AAMC Fee Assistance Program (FAP). The secondary application fee is non-refundable.

## Technical Standards for Admission

Applicants for admission to the School of Medicine and continuing students must possess the capability to complete the entire medical curriculum and achieve the degree. In addition to successfully completing all courses in the curriculum, students must be able to acquire the knowledge and skills necessary to function in a broad variety of clinical situations and to render a wide spectrum of patient care.

See Technical Standards for Admissions, Promotions, and Graduation here: Technical Standards for Admission ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/technical-standards-for-admission.pdf?sfvrsn=224dd6b9\\_0](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/technical-standards-for-admission.pdf?sfvrsn=224dd6b9_0))

## Visiting Students

### Requirements

1. A completed application must be on file no less than eight weeks prior to the course's beginning date.
2. Immunization form must be completed, signed by your school and returned with your application. Individual health records will not be accepted.
3. Respiratory Mask fit testing (Any type is fine - in general we use 3M N95)
4. HIPAA training
5. USMLE Step 1 Pass
6. Personal health insurance
7. BLS or ACLS certified Criminal Background Report
8. Malpractice Insurance \$1,000,000/\$3,000,000
9. In Good academic standing and in final year of study
10. Instruction for OSHA safety measures and infection control precautions

A nonrefundable application fee of \$150 for MD students is due on receipt of an offer for an externship. DO and International medical students are required to pay a nonrefundable fee of \$4,150 on receipt of an offer for an externship.

Upon completion of the course, student evaluations will be sent by the department course coordinator for the elective. If your school requires their evaluation form to be used please include the form with your application material. Visiting students are also responsible for supplying a copy to the course coordinator once assigned.

We ask that you bring your home school student ID with you. A temporary student ID will be issued, which along with your home school ID will be used for identification on clinical services.

## Degree Requirements

**Please note: The School of Medicine's Curriculum is currently undergoing reform. Please visit** this page (<https://medschool.cuanschutz.edu/education/current-students/curriculum/curriculum-reform/>) **for more information on how the curriculum will look for the 2025 student class and beyond.**

## Trek Curriculum

The Trek Curriculum integrates basic science elements longitudinally throughout the academic careers of our students to prepare them and to enhance their personal and professional development as clinicians.

## Plains Curriculum

In the Plains, early clinical reasoning sessions will focus on introducing the vocabulary and fundamental concepts. Diagnostic schemas (flowcharts of diagnostic possibilities centered around a chief concern) of common conditions framed around prototypical clinical cases discussed in basic medical science coursework will help link basic science knowledge to the clinical reasoning, communication, and physical examination skills taught in the clinical skills course. Early case-based clinical reasoning sessions will highlight aspects of information gathering from the history and physical examination as well as aspects of hypothesis generation and problem representation. Consistent practice with oral presentations and medical documentation will be one way that the development of a differential diagnosis, a leading diagnosis, diagnostic justifications, and management and treatment plans will be taught in the clinical reasoning sessions.

Code	Title	Hours
<i>Fall Coursework</i>		
IDPT 5010	First Course	1
IDPT 5016	Foundational Principles	9
IDPT 5020	Traverse	1.5-2.5
IDPT 5017	Hematologic & Lymphatic Systems	5
IDPT 5018	Gastrointestinal System	7
IDPT 5020	Traverse	1.5-2.5
IDPT 5019	Pulmonary & Cardiovascular Systems	10
<i>Spring Coursework</i>		
IDPT 5021	Renal & Urinary Systems	7
IDPT 5020	Traverse	1.5-2.5
IDPT 5022	Nervous System	8
IDPT 5023	Musculoskeletal & Integumentary Systems	7
IDPT 5024	Mind & Behavior	5
IDPT 5020	Traverse	1.5-2.5
IPCP 5000	Interprofessional Collaborative Practice	1
<i>Summer Coursework</i>		
IDPT 5025	Endocrine & Metabolic Systems	7
IDPT 5026	Reproductive System & Life Cycle	9
IDPT 5020	Traverse	1.5-2.5
<b>Total Hours</b>		<b>83.5-88.5</b>

## Foothills Curriculum

Longitudinal Integrated Clerkships (LICs) are teaching models in which students participate in the comprehensive care of patients over time, engage in continuity relationships with clinical faculty, known as preceptors, and meet core clinical competencies across multiple disciplines simultaneously (Worley et al. 2006).

## Alpine Ascent Curriculum

The Alpine and Summit Curriculum encompasses the 20 months following the Foothills before graduation. This phase starts with 14 weeks of Advanced Science Courses that integrate authentic advanced clinical experiences with advanced science learning. This is followed by USMLE protected study and exam time. Then, students complete an individualized learning plan, consisting of an Acting Internship and other required and elective clinical and non-clinical experiences, to deepen their knowledge and skills as well-rounded physicians-in-training, choose and prepare for their residency and enhance their ability to positively transform the health of their future community.

At each major curricular transition (e.g. before/after each phase), students participate in a 1-2 week Base Camp curriculum to help them complement and consolidate prior learning and prepare for the next phase of learning.

Summit Curriculum

The Alpine and Summit Curriculum encompasses the 20 months following the Foothills before graduation. This phase starts with 14 weeks of Advanced Science Courses that integrate authentic advanced clinical experiences with advanced science learning. This is followed by USMLE protected study and exam time. Then, students complete an individualized learning plan, consisting of an Acting Internship and other required and elective clinical and non-clinical experiences, to deepen their knowledge and skills as well-rounded physicians-in-training, choose and prepare for their residency and enhance their ability to positively transform the health of their future community.

At each major curricular transition (e.g. before/after each phase), students participate in a 1-2 week Base Camp curriculum to help them complement and consolidate prior learning and prepare for the next phase of learning.

Longitudinal Curriculum

Mentored Scholarly Activity

The MSA project (<https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/mentored-scholarly-activity/>) is a four-year requirement for all undergraduate medical students. The project culminates in a capstone presentation in Phase IV prior to graduation. The goal of the MSA curriculum is to foster self-directed, life-long learning over the course of the medical student career. The MSA requires students to identify and work with a mentor to complete their projects, which also prepares them for working with mentors in their careers and serving as mentors to others in the medical profession.

Hybrid Curriculum

Applicable to the Class of 2024 Only

The School of Medicine curriculum is divided into four phases: Phase I, Phase II, Phase III, and Phase IV. Phases I and II are the Essentials Core Curriculum years and Phases III and IV are the Clinical Core Curriculum years. Woven through all phases are four threads that integrate overarching topics into the curriculum: Culturally Effective Medicine; Evidence-Based Medicine and Medical Informatics; Humanities, Ethics, & Professionalism; and Medicine & Society.

In addition, the Mentored Scholarly Activity program, which provides students with the opportunity to work closely with a faculty mentor on a project of mutual interest, extends through all four years. The Foundations of Doctoring Curriculum extends through Phases I-III and emphasizes a humanistic approach to medical care while teaching and evaluating students' basic communication and physical examination skills. Students also have the option of participating in tracks across the four phases that offer activities and support for faculty and students with similar interests. These tracks are research, rural, and global health.

Essentials Core Curriculum

The Essentials Core consists of nine interdisciplinary blocks, each with a unique theme that integrates the basic, clinical, and social sciences. Each block is directed by clinical and basic science co-directors with the goal of presenting basic and social sciences in a clinical context. Most

sessions are confined to the morning, allowing students afternoon study time and opportunities for electives and service activities. Lecture hours have been reduced to make way for interactive small groups, labs, team projects, and problem-based learning activities. In addition, students begin to explore personal interests with a mentor through the Mentored Scholarly Activity program and may choose to participate in tracks ([https://www.ucdenver.edu/academics/colleges/medicalschoo/education/degree\\_programs/MDProgram/longitudinal/tracks/Pages/default.aspx](https://www.ucdenver.edu/academics/colleges/medicalschoo/education/degree_programs/MDProgram/longitudinal/tracks/Pages/default.aspx)) that allow them to interact with like-minded faculty and students in an area of interest outside the standard curriculum. The leadership of the Essentials Core interacts closely and collaboratively with the leadership of the Clinical Core as well as with the directors of all affiliated programs. Students play a key role in curriculum oversight and policymaking and are active, valued members of the Essentials Core Block Director committee.

Code	Title	Hours
IDPT 5000	Foundations Doctoring I	2
IDPT 5001	Human Body	7
IDPT 5002	Molecules to Medicine	8
IDPT 5003	Blood and Lymph	4
IDPT 5004	Disease and Defense	5
IDPT 5005	Cardiovascular/Pul/Renal	9.5
IDPT 5090	Mentored Scholarship I	1
IDPT 5095	Research Track Phase I	1
IDPT 5096	Summer Research Phase I	1
IDPT 6000	Foundations Doctoring II	2
IDPT 6001	Nervous System	7.5
IDPT 6002	Digest/Endo/Metaboli Sys	9.5
IDPT 6003	Life Cycle	5
IDPT 6004	Infectious Disease	4.5
IDPT 6090	Mentored Scholarship II	1
IDPT 6095	Research Track Phase II	1

Clinical Clerkship Curriculum

Clinical Clerkship Description The Clinical Core Curriculum (Phase III & IV)\* consists of required interdepartmental clerkships, Sub/Acting-Internships, and Phase IV Electives. Phase III provides intensive clinical experiences in the hospital, ambulatory clinics, emergency room, labor and delivery suite, and operating rooms.

During the clinical clerkship curriculum, students participate in history-taking, physical examination and assessment, development of a differential diagnosis, diagnostic decision-making, interpretation of laboratory results, treatment planning, transitions of care, and re-evaluation of patient status' after treatment is initiated. These activities and others provide medical students with opportunities to develop skills in lifelong self-directed learning, critical analysis of evidence, and clinical problem-solving.

*\*All Phase III clinical clerkships must be completed at the University of Colorado School of Medicine and course-approved sites, including the Area Health Education Centers (AHEC) system.*

Students at the University of Colorado School of Medicine have the option to participate in either the traditional model of clinical clerkships in which students' focus is a particular course, for a set period of time. Then for the next course, the student will learn new content. Students also have the opportunity to enroll in a Longitudinal Integrated Clerkship



(LIC) in which all coursework is integrated throughout the entire clerkship year.

Code	Title	Hours
IDPT 7000	Foundations Doctoring III	0.5-1
IDPT 7001	Integrated Clinicians 1	2
IDPT 7002	Integrated Clinicians 2	2
IDPT 7003	Integrated Clinicians 3	4
IDPT 7010	Hospitalized Adult Care	16
IDPT 7020	Infant/Adolescent Care	12
IDPT 7030	Obstetrics and Gynecology	8
IDPT 7031	Emergency Care	4
IDPT 7040	Psychiatric Care	8
IDPT 7041	Neurologic Care	4-8
IDPT 7045	COVID Elective	1-8
IDPT 7050	Peri/Operative Care	16
IDPT 7070	Community and Primary Care	16
IDPT 7090	Mentored Scholarship III	1
IDPT 7095	Research Track Phase III	1

## Longitudinal Integrated Clinical Curriculum

Students in a Longitudinal Integrated Clerkship (LIC), spend their third phase III of medical school working all year long with the same specialty preceptor, providing longitudinal teaching, mentorship and evaluation. Students develop a cohort of patients from all specialties that they follow through primary care, subspecialty clinics, inpatient, and emergency settings throughout their year in the program. Students spend their clerkship year at a large urban safety-net hospital, caring for an almost entirely disadvantaged population faced with challenges such as poverty, low health literacy, language barriers, chronic illness, and high rates of mental illness and addiction. Students are selected into the LIC program based on their demonstrated commitment to caring for the vulnerable patient population served by their community and their capacity for self-directed, independent learning.

Students will also participate in shortened inpatient “immersions” in surgery, medicine, labor and delivery, gynecology, pediatrics, and psychiatry. The remainder of the year is dedicated to longitudinal, integrated clinical experiences working one-on-one with faculty preceptors in every specialty. Students are given ample unstructured time for independent learning, follow-up with cohort patients, and professional development. Students participate in weekly small group didactic and workshop series focusing on core clinical topics and unique curricular content.

*International Consortium of Longitudinal Integrated Clerkships: A clinical curriculum in which students participate in the comprehensive care of patients over time, engage in continuity relationships with preceptors and evaluators, and meet core clinical competencies across multiple disciplines simultaneously.*

Code	Title	Hours
IDPT 7000	Foundations Doctoring III	0.5-1
IDPT 7001	Integrated Clinicians 1	2
IDPT 7002	Integrated Clinicians 2	2
IDPT 7003	Integrated Clinicians 3	4
IDPT 7012	Longitudinal Integrated Clerkship	2
IDPT 7013	Longitudinal Internal Medicine (LIC)	4-6

IDPT 7022	Longitudinal Pediatrics (LIC)	4
IDPT 7032	Longitudinal Obstetrics/Gynecology (LIC)	2-6
IDPT 7033	Longitudinal Emergency Med (LIC)	2-3,0.5
IDPT 7042	Longitudinal Psychiatry (LIC)	2-4
IDPT 7045	COVID Elective	1-8
IDPT 7052	Longitudinal Surgery (LIC)	2-6
IDPT 7062	Longitudinal Family Medicine (LIC)	4
IDPT 7080	Integrated Longitudinal Medicine Clerkship	16-32
IDPT 7085	Integrated Longitudinal Medicine Clerkship	2
IDPT 7090	Mentored Scholarship III	1

## Longitudinal Curriculum

The Longitudinal Curriculum at the University of Colorado, School of Medicine contains curricular components that extend from one Phase, or year, into another. Some of these components last for all four years. Student participation in Tracks is elective but the rest of the curriculum is required.

### Foundations of Doctoring

During Phases I, II, and III students will have clinical experiences with a community preceptor, and learn communication and physical exam skills in the Foundations of Doctoring curriculum. (<https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/foundations-of-doctoring/>) See also IDPT 5000, IDPT 6000, IDPT 7000, or IDPT 8000 Foundations Doctoring IV.

### Integrated Clinician Course (ICC)

In the third and fourth years of medical school, ICC brings together an entire class with two specific goals. The first goal is to provide important skills and knowledge in areas that are vital to the practice of medicine but are often difficult to teach or not uniformly taught in the clinical setting. ICC topics include health policy, ethics, professionalism, clinical decision-making, culturally effective care, clinically relevant basic science material, and advanced clinical skills. The second, but no less important goal, is to provide students with the time and opportunity to reflect on and discuss the process of becoming a physician. See also IDPT 7001, IDPT 7002, IDPT 7003, IDPT 8004, or IDPT 8005.

### Integrated Radiology Curriculum (IRC)

Over the four years of medical school, students will learn about radiology and imaging. Medical imaging plays an ever-increasing role in patient care and is an integral part of nearly all medical and surgical specialties.

Knowledge of radiology and its use in contemporary medical practice is a vital part of clinical practice and will be integrated throughout the medical student curriculum. Students will have also have the opportunity to spend time in the state-of-the-art BAR (Beginning to Advanced Radiology) Lab.

**Interprofessional Collaborative Practice (IPCP) See Also:** See also IPCP 5000

The Interprofessional Collaborative Practice (IPCP) is a one-semester course required of health professions students from the dental, medical,

nursing, pharmacy, physical therapy, and physician assistant programs on the Anschutz Medical Campus. There may also be students participating from the School of Public Health. The course takes place over 8 sessions in the spring of year 1. Sessions are two hours in length, and involve active learning in teams using a team paced learning method to engage learners in **Teamwork & Collaboration competency domains**:

**This course has 4 overarching goals:** Teamwork & Collaboration

- Describe the process of team development and the roles and practices of effective teams
- Demonstrate communication skills and processes within teams
- Recognize components of and perform effectively on sequential and simultaneous interprofessional collaborative teams
- Provide feedback on individual and team performance to improve the effectiveness of interprofessional teamwork

**Outcomes and Learning Objectives:**

- Describe the process of team development, and the roles and practices of effective teams
- Communicate with team members to clarify each member's responsibility in providing collaborative patient care.
- Recognize components of and perform effectively on sequential and simultaneous interprofessional collaborative teams
- Explore interprofessional communication and teamwork processes that address the goals of collaborative patient care.
- Engage health and other professionals in shared patient-centered and population-focused problem-solving.
- Give timely, sensitive, instructive feedback to others about their performance on the team, respond respectfully as a team member to feedback from others.
- Describe the potential impact of interprofessional collaboration on health care outcomes.

**Interprofessional Healthcare & Health Equity (IPHE)** See also IPHE 6000

The Interprofessional Healthcare Ethics and Health Equity (IPHE) is a one-semester course required of health professions students from the dental, medical, nursing, pharmacy, physical therapy, and physician assistant programs on the Anschutz Medical Campus. There may also be students participating from the School of Public Health. The course takes place over 8 sessions in the fall of year 2. Sessions are two hours in length, and involve active learning in teams using a team paced learning method to engage learners in **Value and Ethics competency domains**:

**This course has 3 overarching goals:** Values & Ethics

- Awareness: recognize when you are facing an ethical issue
- Analysis: study the ethical issue to arrive at a decision about the right thing to do
- Action: develop and practice executing your plan for how to do what's right

**Outcomes and Learning Objectives:**

- Identify health profession values, principles, and professional codes of ethics
- Understand the historical context of health professions ethics
- Identify social, structural, and systemic ethical issues and how they impact healthcare access, delivery of care, and patient outcomes
- Apply key ethical concepts to identifying and exploring ethical dilemmas
- Demonstrate approaches to addressing ethical dilemmas
- Demonstrate Interprofessional collaboration when addressing ethical dilemmas
- Compare and reflect on professional roles and responsibilities in the context of ethical dilemmas
- Identify the importance of situational leadership when facing ethical dilemmas

#### Mentored Scholarly Activity

The MSA project (<https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/mentored-scholarly-activity/>) is a four-year requirement for all undergraduate medical students. The project culminates in a capstone presentation in Phase IV prior to graduation. The goal of the MSA curriculum is to foster self-directed, life-long learning over the course of the medical student career. The MSA requires students to identify and work with a mentor to complete their projects, which also prepares them for working with mentors in their careers and serving as mentors to others in the medical profession. See also IDPT 5090, IDPT 6090, IDPT 7090, or IDPT 8090.

#### Threads

Threads are longitudinal essential themes that run through all four years of the medical student curriculum. Threads Directors work with Block Directors in each Phase to ensure continuity and development of these topics. The Threads are:

- Culture, Health, Equity & Society, Rita Lee, MD, and Paritosh Kaul, MD, Directors
- Evidence-Based Medicine and Medical Informatics, Carolyn DiGuseppi, MD, MPH, Ph.D., Director; Brandon Combs, MD, Associate Director
- Humanities, Ethics and Professionalism, Jackie Glover, Ph.D., Director

#### Tracks

Medical students with a special area of interest may elect to participate in a track. Tracks provide additional opportunities to enhance learning and practice for students through special lectures, tailored clinical and research experiences, and sponsored mentored projects. Students will have the knowledge and level-appropriate responsibilities in each of the four years of medical school. To learn the requirements for application and what each track entails see the links below.

- Global Health (<https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/tracks/global-program/>)  
International medicine with classroom and global experiences.
  - IDPT 6665 Introduction to Global Health
  - IDPT 6669 Global Health Seminar
  - IDPT 6667 Global Health Studies (US)
  - IDPT 6623 Refugee and Immigrant Health I
  - IDPT 8018 Global Health & Disaster
- Research Track (<https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/tracks/research-program/>)  
Providing students with in-depth long-term exposure to research.
  - IDPT 5095 Research Track Phase I
  - IDPT 6095 Research Track Phase II
  - IDPT 7095 Research Track Phase III
  - IDPT 8095 Research Track Phase IV
  - IDPT 8601 Research Track, Research I
  - IDPT 8602 Research Track, Research II
- Rural Track (<https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/tracks/rural-program/>)  
Giving students a broad and rich experience in rural medicine.
  - Students in the program complete their Foothills (<https://medschool.cuanschutz.edu/education/current-students/curriculum/curriculum-reform/>) clinical core year in a rural Colorado community. To prepare for this experience, students are invited to participate in a five-day orientation and rural immersion experience the summer before school starts. During the Plains (<https://medschool.cuanschutz.edu/education/current-students/curriculum/curriculum-reform/>) preclinical curriculum, a variety of lectures, labs, and workshops are held several times a month that will help interpret and bring a rural focus to what students are learning in their regular courses. In the Alpine Ascent (<https://medschool.cuanschutz.edu/education/current-students/curriculum/curriculum-reform/>) phase of the curriculum, there will be additional opportunities for participation in rural-focused courses.

## Legacy Curriculum

Applicable to the Class of 2023 and prior

The School of Medicine curriculum is divided into four phases: Phase I, Phase II, Phase III, and Phase IV. Phases I and II are the Essentials Core Curriculum years and Phases III and IV are the Clinical Core Curriculum years. Woven through all phases are four threads that integrate overarching topics into the curriculum: Culturally Effective Medicine; Evidence-Based Medicine and Medical Informatics; Humanities, Ethics, & Professionalism; and Medicine & Society.

In addition, the Mentored Scholarly Activity program, which provides students with the opportunity to work closely with a faculty mentor

on a project of mutual interest, extends through all four years. The Foundations of Doctoring Curriculum extends through Phases I-III and emphasizes a humanistic approach to medical care while teaching and evaluating students' basic communication and physical examination skills. Students also have the option of participating in tracks across the four phases that offer activities and support for faculty and students with similar interests. These tracks are research, rural, and global health.

## Essentials Core Curriculum

The Essentials Core consists of nine interdisciplinary blocks, each with a unique theme that integrates the basic, clinical, and social sciences. Each block is directed by clinical and basic science co-directors with the goal of presenting basic and social sciences in a clinical context. Most sessions are confined to the morning, allowing students afternoon study time and opportunities for electives and service activities. Lecture hours have been reduced to make way for interactive small groups, labs, team projects, and problem-based learning activities. In addition, students begin to explore personal interests with a mentor through the Mentored Scholarly Activity program and may choose to participate in tracks ([https://www.ucdenver.edu/academics/colleges/medschool/education/degree\\_programs/MDProgram/longitudinal/tracks/Pages/default.aspx](https://www.ucdenver.edu/academics/colleges/medschool/education/degree_programs/MDProgram/longitudinal/tracks/Pages/default.aspx)) that allow them to interact with like-minded faculty and students in an area of interest outside the standard curriculum. The leadership of the Essentials Core interacts closely and collaboratively with the leadership of the Clinical Core as well as with the directors of all affiliated programs. Students play a key role in curriculum oversight and policymaking and are active, valued members of the Essentials Core Block Director committee.

Code	Title	Hours
IDPT 5001	Human Body	7
IDPT 5002	Molecules to Medicine	8
IDPT 5003	Blood and Lymph	4
IDPT 5004	Disease and Defense	5
IDPT 5005	Cardiovascular/Pul/Renal	9.5
IDPT 6001	Nervous System	7.5
IDPT 6002	Digest/Endo/Metaboli Sys	9.5
IDPT 6003	Life Cycle	5
IDPT 6004	Infectious Disease	4.5

### Problem Based Learning

PBL uses a multidisciplinary approach, designed to break down the traditional barriers of compartmentalization that are imposed by a departmental structure. The PBL curriculum will consist of eight cases in Phase I and four cases in Phase II. Each case will require two or three 2-hour meetings in small groups of eight to nine students. The cases will be presented in the problem-based learning style, where clinical situations are revealed in consecutive sections. In the first meeting, the case is analyzed and learning objectives/issues are determined. Students then independently research their learning issues and post their summaries online in a Blackboard discussion forum so that everyone can read the learning issues in advance and be ready to discuss them at the next session. For the second session, students return to discuss how they satisfied their learning issues and then are presented with more information and additional problems. These problems help students bring together information that they have learned or will learn in lectures, labs, small groups, and on their own. The tutor will provide feedback to the students on whether the major goals of the case have been covered.

At the end of each case, there will be questions that the group should answer to determine if they have learned the case content.

## Clinical Clerkship Curriculum

Code	Title	Hours
Traditional Clinical Clerkships		
IDPT 7010	Hospitalized Adult Care	16
IDPT 7020	Infant/Adolescent Care	12
IDPT 7021	Musculoskeletal Care	4
IDPT 7030	Obstetrics and Gynecology	8
IDPT 7040	Psychiatric Care	8
IDPT 7041	Neurologic Care	4-8
IDPT 7050	Peri/Operative Care	16
IDPT 7070	Community and Primary Care	16

## Longitudinal Integrated Clinical Clerkship Curriculum

Students in a Longitudinal Integrated Clerkship (LIC), spend their third phase III of medical school working all year long with the same specialty preceptor, providing longitudinal teaching, mentorship and evaluation. Students develop a cohort of patients from all specialties that they follow through primary care, subspecialty clinics, inpatient, and emergency settings throughout their year in the program. Students spend their clerkship year at a large urban safety-net hospital, caring for an almost entirely disadvantaged population faced with challenges such as poverty, low health literacy, language barriers, chronic illness, and high rates of mental illness and addiction. Students are selected into the LIC program based on their demonstrated commitment to caring for the vulnerable patient population served by their community and their capacity for self-directed, independent learning.

Students will also participate in shortened inpatient “immersions” in surgery, medicine, labor and delivery, gynecology, pediatrics, and psychiatry. The remainder of the year is dedicated to longitudinal, integrated clinical experiences working one-on-one with faculty preceptors in every specialty. Students are given ample unstructured time for independent learning, follow-up with cohort patients, and professional development. Students participate in weekly small group didactic and workshop series focusing on core clinical topics and unique curricular content.

*International Consortium of Longitudinal Integrated Clerkships: A clinical curriculum in which students participate in the comprehensive care of patients over time, engage in continuity relationships with preceptors and evaluators, and meet core clinical competencies across multiple disciplines simultaneously.*

Code	Title	Hours
IDPT 7000	Foundations Doctoring III	0.5-1
IDPT 7001	Integrated Clinicians 1	2
IDPT 7002	Integrated Clinicians 2	2
IDPT 7003	Integrated Clinicians 3	4
IDPT 7012	Longitudinal Integrated Clerkship	2
IDPT 7013	Longitudinal Internal Medicine (LIC)	4-6
IDPT 7022	Longitudinal Pediatrics (LIC)	4
IDPT 7032	Longitudinal Obstetrics/Gynecology (LIC)	2-6
IDPT 7033	Longitudinal Emergency Med (LIC)	2-3,0.5
IDPT 7042	Longitudinal Psychiatry (LIC)	2-4
IDPT 7045	COVID Elective	1-8

IDPT 7052	Longitudinal Surgery (LIC)	2-6
IDPT 7062	Longitudinal Family Medicine (LIC)	4
IDPT 7080	Integrated Longitudinal Medicine Clerkship	16-32
IDPT 7085	Integrated Longitudinal Medicine Clerkship	2
IDPT 7090	Mentored Scholarship III	1
IDPT 7095	Research Track Phase III	1

## Longitudinal Curriculum

The Longitudinal Curriculum at the University of Colorado, School of Medicine contains curricular components that extend from one Phase, or year, into another. Some of these components last for all four years. Student participation in Tracks is elective but the rest of the curriculum is required.

### Foundations of Doctoring

During Phases I, II, and III students will have clinical experiences with a community preceptor, and learn communication and physical exam skills in the Foundations of Doctoring curriculum. (<https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/foundations-of-doctoring/>) See also IDPT 5000, IDPT 6000, IDPT 7000, or IDPT 8000 Foundations Doctoring IV.

### Integrated Clinician Course (ICC)

In the third and fourth years of medical school, ICC brings together an entire class with two specific goals. The first goal is to provide important skills and knowledge in areas that are vital to the practice of medicine but are often difficult to teach or not uniformly taught in the clinical setting. ICC topics include health policy, ethics, professionalism, clinical decision-making, culturally effective care, clinically relevant basic science material, and advanced clinical skills. The second, but no less important goal, is to provide students with the time and opportunity to reflect on and discuss the process of becoming a physician. See also IDPT 7001, IDPT 7002, IDPT 7003, IDPT 8004, or IDPT 8005.

### Integrated Radiology Curriculum (IRC)

Over the four years of medical school, students will learn about radiology and imaging. Medical imaging plays an ever-increasing role in patient care and is an integral part of nearly all medical and surgical specialties.

Knowledge of radiology and its use in contemporary medical practice is a vital part of clinical practice and will be integrated throughout the medical student curriculum. Students will have also have the opportunity to spend time in the state-of-the-art BAR (Beginning to Advanced Radiology) Lab.

### Interprofessional Education (IPE)

**Interprofessional Education (IPE)** at the Anschutz Medical Campus consists of 3 components: classroom team-based learning, simulation experiences at the Center for Assessing Professional Excellence (CAPE), and practicum experiences at clinical sites. The classroom course develops competencies in teamwork and collaboration, values and ethics, and quality and safety for first and second-year health professions students from dentistry, medicine, nursing, pharmacy, physical therapy, and physician assistant



programs. Medical students participate in the IPE simulation and clinical practicums during their third year. See also IPCP 5000 or IPHE 6000.

#### Mentored Scholarly Activity

The MSA project (<https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/mentored-scholarly-activity/>) is a four-year requirement for all undergraduate medical students. The project culminates in a capstone presentation in Phase IV prior to graduation. The goal of the MSA curriculum is to foster self-directed, life-long learning over the course of the medical student career. The MSA requires students to identify and work with a mentor to complete their projects, which also prepares them for working with mentors in their careers and serving as mentors to others in the medical profession. See also IDPT 5090, IDPT 6090, IDPT 7090, or IDPT 8090.

#### Threads

Threads are longitudinal essential themes that run through all four years of the medical student curriculum. Threads Directors work with Block Directors in each Phase to ensure continuity and development of these topics. The Threads are:

- Culture, Health, Equity & Society, Rita Lee, MD, and Paritosh Kaul, MD, Directors
- Evidence-Based Medicine and Medical Informatics, Carolyn DiGuseppi, MD, MPH, Ph.D., Director; Brandon Combs, MD, Associate Director
- Humanities, Ethics and Professionalism, Jackie Glover, Ph.D., Director

#### Tracks

Medical students with a special area of interest may elect to participate in a track. Tracks provide additional opportunities to enhance learning and practice for students through special lectures, tailored clinical and research experiences, and sponsored mentored projects. Students will have the knowledge and level-appropriate responsibilities in each of the four years of medical school. To learn the requirements for application and what each track entails see the links below.

- Global Health (<https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/tracks/global-program/>) International medicine with classroom and global experiences.
  - IDPT 6665 Introduction to Global Health
  - IDPT 6669 Global Health Seminar
  - IDPT 6667 Global Health Studies (US)
  - IDPT 6623 Refugee and Immigrant Health I
- Research Track (<https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/tracks/research-program/>) Providing students with in-depth long-term exposure to research.
  - IDPT 5095 Research Track Phase I
  - IDPT 6095 Research Track Phase II
  - IDPT 7095 Research Track Phase III

- IDPT 8095 Research Track Phase IV
- IDPT 8601 Research Track, Research I
- IDPT 8602 Research Track, Research II
- Rural Track (<https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/tracks/rural-program/>) Giving students a broad and rich experience in rural medicine.
  - Students in the program complete their Foothills (<https://medschool.cuanschutz.edu/education/current-students/curriculum/curriculum-reform/>) clinical core year in a rural Colorado community. To prepare for this experience, students are invited to participate in a five-day orientation and rural immersion experience the summer before school starts. During the Plains (<https://medschool.cuanschutz.edu/education/current-students/curriculum/curriculum-reform/>) preclinical curriculum, a variety of lectures, labs, and workshops are held several times a month that will help interpret and bring a rural focus to what students are learning in their regular courses. In the Alpine Ascent (<https://medschool.cuanschutz.edu/education/current-students/curriculum/curriculum-reform/>) phase of the curriculum, there will be additional opportunities for participation in rural-focused courses.

## Curriculum Reform/Student Learning Outcomes

### Guiding Principles for Curricular Reform

**Vision:** Our graduates will be physician leaders capable of transforming the health of diverse communities.

**Mission:** Through a longitudinally integrated curriculum, we aim to educate physician leaders who are curious, life-long learners with a commitment to serve the profession, our patients, and society.

#### Values/Pillars: Leadership, Curiosity, Commitment

1. We want our student outcomes to be tightly linked to our curricular content and delivery; therefore, we aim for our new curriculum to be Outcomes-Based: Our curriculum content, structure, and instructional strategies should support the type of physicians we want to produce with assessments that enhance learning. New research in medical education and strategies for improved adult learning aims to inform curricular approaches, therefore we aim for our new curriculum to be Evidence-Based: Our curriculum content, structure, and instructional strategies should be based on sound educational theory when possible. When not possible, we will strive to add to the evidence base through rigorous program evaluation.
2. Current structures in clinical care and in teaching lead to fragmentation of relationships between students, teachers, and patients; we aim for our new curriculum to focus on a diversity of Longitudinal Relationships: Many of the desired attributes we hope students develop are learned by example. The program must bring students into contact with strong, positive role models who are

clinicians, investigators, peers, patients, advocates, and community members.

3. The science of medicine is evolving at a rapid pace necessitating the integration of relevant scientific concepts throughout medical training and into practice, therefore we aim to enhance the integration of foundational and more complex scientific concepts: The scientific knowledge and principles relevant to clinical medicine need to be 'integrated and sequenced optimally' across all years of medical school. Advanced sciences should be explored later in the curriculum, in the context of patient care experiences.
4. Physician leaders of tomorrow need to be well-rounded while also developing unique areas of expertise, therefore our new curriculum will create opportunities for Individualization: Students will have a choice in their learning and time to pursue an area(s) of interest in-depth and to individualize their learning, especially as they advance toward graduation outcomes and choose careers paths.
5. In some cases, the complexity of the clinical care environment and pressures for efficient care have sidelined our learners further from the bedside, therefore we aim for our new curriculum to enhance authentic, patient-centered experiences as early as possible in the clinical and community environments: The environment needs to provide opportunities for students to demonstrate their ability to act with regard for others (e.g., involvement with patients or community, service experiences) and demonstrate progressive competency in these interactions.
6. In the face of exponentially expanding knowledge, rapidly changing health care, and evolving societal systems, we recognize the importance of vitality and well-being. Our curriculum will support student and faculty vitality through meaningful relationships, connection to purpose, and personal development that emphasizes sustainability and the importance of diversity, equity, and inclusion.
7. Given the rapid pace of evolution of the medical sciences, we recognize that we cannot teach our students everything during the four years of medical school, therefore we strive to create graduates with a Growth Mindset: Graduates must be equipped with skills for a lifetime of inquiry, critical thinking and ultimately, the ability to make informed, evidence-based decisions in the face of uncertainty.

### Learning Theory in the Trek Curriculum

By Paige Romer, MA, MS2

(September 2021) During the first week of orientation, Trek students completed a session called Learning How to Learn Medicine, in which they discussed several key topics from learning theory and how those topics would be relevant to them in medical school.

The session covered the following concepts and presented concrete strategies for how to implement these best study practices within the Trek curriculum.

#### Different Types of Memory

Working memory is the memory system that is used when you are actively thinking about a topic or learning it for the first time. Recent research has shown that the average person can hold approximately four pieces of information or four chunks (more on this later) in their working memory. Long-term memory is where information is stored for later use. The process of moving information from short-term memory to long-term memory is called encoding. The process of moving information from long-term memory to short-term memory is called retrieval. For students, one of the most effective ways to strengthen long-term memory is

retrieval practice or the process of recalling information out of long-term memory and into short-term memory by self-testing.

#### Chunking

Chunks are pieces of information that are bound by meaning or use. Examples of chunks that students will create in medical school are the glycolysis pathway, a pediatric cough differential diagnosis, blood flow patterns in the upper limb, and the process of suturing. Chunking is important because it allows us to increase our working memory capacity. By holding four chunks instead of four discrete pieces of information in the working memory, we can make new connections and develop a deeper understanding.

#### Learning Illusions

Learning illusions are activities that feel like learning but do not involve true encoding or retrieval. Examples of encoding are rereading notes multiple times, highlighting a textbook, or rewatching a video on the same topic multiple times. When we engage in these activities, our working memory tricks us because it recognizes familiar information, but no encoding actually happens. In the Learning How to Learn Medicine session, students discussed strategies that could be used in place of learning illusions, including rewriting notes from memory rather than rereading them or making flashcards while watching a video to later be used for retrieval practice.

#### Interleaving

Interleaving is the process of switching between different topics as you study. Interleaving creates stronger neural connections and allows for less obvious, more creative connections to be made between topics. It ultimately leads to better and more durable understanding along with flexible thinking skills.

#### Spaced Repetition

Spaced repetition is the process of self-testing on material over increasing intervals of time, rather than cramming and learning all the information at once. Spaced repetition has been shown to be one of the most effective ways of beating the forgetting curve, which shows that roughly 50% of new information is forgotten within a day of learning it if no retrieval practice occurs.

In the Learning How to Learn Medicine session, students were asked to consider times in their lives that they had used each of the above learning theories in the process of acquiring a skill. They each walked away with a plan for how to incorporate these strategies into their study practices.

During the session, students were also able to see how these theories are already woven into the Trek curriculum. For example, the LIC (Longitudinal Integrated Clerkship) model involves both interleaving and spaced repetition by having students switch between different disciplines throughout the week and spreading their learning out over the space of the entire clinical year. Additionally, the Plains curriculum involves interleaving by integrating the clinical sciences and medical sciences throughout each block.

The incorporation of learning theory into the Trek curriculum design will provide students with the opportunity to build the skills that will allow them to be successful, curious, and joyful lifelong learners.

## From the Desk of Shanta Zimmer, Senior Associate Dean for Education

### Clinical Reasoning in the Plains Year of the TREK Curriculum

(November 2020) Love to think, talk, or teach about clinical reasoning?

Please read on! The CUSOM is planning to develop new educational materials, teaching methods, and assessment tools to explicitly introduce clinical reasoning concepts in the TREK curriculum. Developing cohesion of goals, learning objectives, and assessments related to clinical reasoning across the Plains, Foothills, and Alpine Ascent phases of the curriculum will be important and exciting educational work to be done! If you are interested in helping develop new educational materials in the Plains or collaborating on existing or anticipated teaching activities and assessments across the TREK curriculum, please reach out to [todd.guth@CUAnschutz.edu](mailto:todd.guth@CUAnschutz.edu).

Clinical reasoning has been defined in a general sense as “the thinking and decision-making processes associated with clinical practice” or even more simply “diagnostic problem solving” (Higgs and Jones, 2000 and Elstein, 1995). Clinical reasoning means different things to different individuals, but for the purposes of the TREK curriculum, we settled on a definition of clinical reasoning as the ability of students “to sort through a cluster of features presented by a patient and accurately assign a diagnostic label, with the development of an appropriate treatment strategy being the end goal” (Eva, 2005). Clinical reasoning conceptualized in this way can be deconstructed into seven discreet domains that allow for the alignment of teaching materials and assessment tools in the new TREK curriculum.

In the Plains, early clinical reasoning sessions will focus on introducing the vocabulary and fundamental concepts. Diagnostic schemas (flowcharts of diagnostic possibilities centered around a chief concern) of common conditions framed around prototypical clinical cases discussed in basic medical science coursework will help link basic science knowledge to the clinical reasoning, communication, and physical examination skills taught in the clinical skills course. Early case-based clinical reasoning sessions will highlight aspects of information gathering from the history and physical examination as well as aspects of hypothesis generation and problem representation. Consistent practice with oral presentations and medical documentation will be one way that the development of a differential diagnosis, a leading diagnosis, diagnostic justifications, and management and treatment plans will be taught in the clinical reasoning sessions.

Students will be assessed using a combination of workplace-based assessments in their preceptorship, non-workplace-based assessments, and objective structured clinical examinations (OSCE) during the Plains year. The assessment data will be organized around the seven domains of clinical reasoning and sample broadly across a variety of clinical content areas. Ideally, this student clinical reasoning performance data in the Plains can be linked to other data across clinical experiences in the Foothills and Alpine Ascent to provide a programmatic understanding of clinical reasoning performance in the TREK curriculum. Again, if you are interested in helping develop new educational materials in the Plains or collaborating on existing or anticipated teaching activities and assessments across the TREK curriculum, please reach out to [todd.guth@CUAnschutz.edu](mailto:todd.guth@CUAnschutz.edu).

MD candidates may choose to pursue careers other than clinical medicine for a variety of personal and professional reasons, and they may do so at different times in their training or careers. Alternative paths might occur directly out of medical school, out of internship once a

license is earned, after residency, or after years of practicing clinical medicine. At any of these stages, a dual degree may be useful, including Ph.D., MBA, JD, MPH, MHA, etc.

The School of Medicine currently has four formal joint or dual degree programs, the Medical Scientist Training Program (MSTP), Master of Public Health (MPH), Master of Science in Bioengineering (MS), and the Masters in Business Administration (MBA) program.

## MD/Ph.D Dual Degree

The MSTP program offers a combined MD/Ph.D. degree and is a rigorous multi-year program in which students complete the basic science curriculum and then enter the graduate school to complete basic science research leading to a doctoral thesis before returning to complete the clinical curriculum. For MSTP Program ([http://www.ucdenver.edu/academics/colleges/medicalschoo/education/degree\\_programs/mstp/Pages/MSTP.aspx](http://www.ucdenver.edu/academics/colleges/medicalschoo/education/degree_programs/mstp/Pages/MSTP.aspx)) details

## MD/MS in Bioengineering

The MD/MS in Bioengineering program enables current MD candidates to complete MS requirements in bioengineering. A motivated student can complete these requirements in three semesters, usually taking a year off between Phases III & IV (May to May). Additional time may be required depending on the student's course choices and research project. All students will be evaluated in a final oral defense examination that includes an open research seminar. For more information about Dual Bioengineering Degrees (<http://www.ucdenver.edu/academics/colleges/Engineering/Programs/bioengineering/GraduateProgram/MasterofScience/Pages/MasterofScience.aspx>).

## MD/MPH Dual Degree

This dual degree is offered by the University of Colorado School of Medicine and the Colorado School of Public Health on the CU Anschutz Medical Campus. In addition to receiving a Doctor of Medicine (MD) degree, students concurrently receive the Master of Public Health (MPH) degree in a concentration of their choice: Applied Biostatistics; Community & Behavioral Health; Environmental & Occupational Health; Epidemiology; Health Systems, Management & Policy; Maternal and Child Health; or a custom concentration. **Only students already in or accepted into the University of Colorado MD program are eligible to apply.**

To learn more about this dual degree, please click here (<http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/colorado-school-public-health/dual-degree-programs/#mdmphtext>) to view the full information within the Colorado School of Public Health portion of the academic catalog.

## MBA in Healthcare Administration

The School of Medicine, working with the University of Colorado Denver's downtown campus, also provides the opportunity for students to earn a Master of Business Administration (MBA) degree in one calendar year. Students enter this program after completing Phases I, II, and III. Students must apply to the MBA program separately; however, the program will waive the requirement for the GMAT and use the student's MCAT scores. This program provides an excellent opportunity for medical students who wish to understand the business of medicine and to develop the skills necessary to work in health care administration. For additional details on the MBA in Healthcare Administration (<https://business.ucdenver.edu/mba/health-administration-mba/>)

# Student Policies and Procedures

## Student Policies (all Phases)

- Policies and Procedures Hybrid and Legacy Curriculum ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/2021-22-policies-and-procedures\\_-hybrid-and-legacy-curriculum.pdf?sfvrsn=b06bacba\\_0](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/2021-22-policies-and-procedures_-hybrid-and-legacy-curriculum.pdf?sfvrsn=b06bacba_0))
- School Hazardous Exposure Policy ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/hazardous-exposure-policy-20.pdf?sfvrsn=d3d0a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/hazardous-exposure-policy-20.pdf?sfvrsn=d3d0a8b9_2))
- Appropriate Persons in the Learning Setting Policy ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/nonstudentvisitorsinlearningsettings.pdf?sfvrsn=efd0a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/nonstudentvisitorsinlearningsettings.pdf?sfvrsn=efd0a8b9_2))
- Medical Student Professionalism Committee (<https://medschool.cuanschutz.edu/education/current-students/support-for-students/medical-student-professionalism-committee/>)
- Reproductive Health Hazards (Campus policy) ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/reproductive-health-hazards-20.pdf?sfvrsn=aadfa8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/reproductive-health-hazards-20.pdf?sfvrsn=aadfa8b9_2))
- Uniform Standard Policy ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/uniformstandardpolicy-20.pdf?sfvrsn=54dea8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/uniformstandardpolicy-20.pdf?sfvrsn=54dea8b9_2))
- Security, Student Safety, and Disaster Preparedness Table ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/securitydisasterpreparedness-20.pdf?sfvrsn=26dfa8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/securitydisasterpreparedness-20.pdf?sfvrsn=26dfa8b9_2))
- Technical Standards ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/technicalstandards-20.pdf?sfvrsn=d7d0a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/technicalstandards-20.pdf?sfvrsn=d7d0a8b9_2))
- Timely Student Access to Grades ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/timelystudaccesstoassessments-20.pdf?sfvrsn=2adfa8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/timelystudaccesstoassessments-20.pdf?sfvrsn=2adfa8b9_2))

## Phases I & II

- Formative Feedback Policy ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/formativefeedback-2-.pdf?sfvrsn=e7d2a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/formativefeedback-2-.pdf?sfvrsn=e7d2a8b9_2))
- Lecture Recording Policy ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/lecturerecordingpolicy-20.pdf?sfvrsn=ebd2a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/lecturerecordingpolicy-20.pdf?sfvrsn=ebd2a8b9_2))
- Lecture Recording - Student Acknowledgement of Policy Form ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/studentacknowledgementofrecordingpolicy-20.pdf?sfvrsn=f9d2a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/studentacknowledgementofrecordingpolicy-20.pdf?sfvrsn=f9d2a8b9_2))
- Preclerkship Scheduled Time Policy ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/preclerkshipscheduledtimepolicy-20.pdf?sfvrsn=a1d2a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/preclerkshipscheduledtimepolicy-20.pdf?sfvrsn=a1d2a8b9_2))
- Conduct of Proctored Exam Guidelines (<https://somed.ucdenver.edu/ume/ECGGuidelinesforConductofRemoteProctoredExams.pdf>)

## Phases III & IV

- Clinical Sites Dress Code ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/dresscode-20.pdf?sfvrsn=40d4a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/dresscode-20.pdf?sfvrsn=40d4a8b9_2))

- Duty Hours Policy ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/medstuddutyhourspolicy-20.pdf?sfvrsn=8bd4a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/medstuddutyhourspolicy-20.pdf?sfvrsn=8bd4a8b9_2))
- Family Member as Preceptor ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/familymemberaspreceptor20.pdf?sfvrsn=86d3a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/familymemberaspreceptor20.pdf?sfvrsn=86d3a8b9_2))
- Phase III Guidebook ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/ay-2022-class-of-24-phase-iii-guidebook-12-21.pdf?sfvrsn=628ca1ba\\_0](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/ay-2022-class-of-24-phase-iii-guidebook-12-21.pdf?sfvrsn=628ca1ba_0))
- Phase IV Guidebook ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/2023-p4-guidebook\\_jan2022.pdf?sfvrsn=926aa9ba\\_0](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/2023-p4-guidebook_jan2022.pdf?sfvrsn=926aa9ba_0))
- Logger Requirement Policy (Phase III only) ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/phaseiiiiloggingsrequiredclinicalalexperiences20.pdf?sfvrsn=5cd4a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/phaseiiiiloggingsrequiredclinicalalexperiences20.pdf?sfvrsn=5cd4a8b9_2))
- Site Assignment Policy ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/clinicalsiteassignmentpolicy20.pdf?sfvrsn=91d4a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/clinicalsiteassignmentpolicy20.pdf?sfvrsn=91d4a8b9_2))
- Branch Assignment Policy ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/branchassignmentpolicy20.pdf?sfvrsn=8ed3a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/branchassignmentpolicy20.pdf?sfvrsn=8ed3a8b9_2))
- Phase IV Add/Drop Policy ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/phaseivadddroppolicy20.pdf?sfvrsn=f3d4a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/phaseivadddroppolicy20.pdf?sfvrsn=f3d4a8b9_2))
- Phase IV Absence Policy ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/phase-iv-absence-policy20.pdf?sfvrsn=f7d4a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/phase-iv-absence-policy20.pdf?sfvrsn=f7d4a8b9_2))
- Required Phase III Resources ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/required-phase-3-resources-20.pdf?sfvrsn=82d3a8b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/required-phase-3-resources-20.pdf?sfvrsn=82d3a8b9_2))

## Teaching & Learning Policies and Guidelines

- Preparation to Teach and Provision of Instructor Resources ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/preparationandresourcestoteach20.pdf?sfvrsn=5a29a9b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/preparationandresourcestoteach20.pdf?sfvrsn=5a29a9b9_2))
- Educational Conflict of Interest ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/educationalconflictofinterestpolicy20.pdf?sfvrsn=d928a9b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/educationalconflictofinterestpolicy20.pdf?sfvrsn=d928a9b9_2))
- Teacher Learner Agreement ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/teacherlearneragreement-18-19.pdf?sfvrsn=3217c0b9\\_0](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/teacherlearneragreement-18-19.pdf?sfvrsn=3217c0b9_0))
- Standards for Medical Student Supervision ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/standardsformedicalstudentsupervision20.pdf?sfvrsn=b829a9b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/standardsformedicalstudentsupervision20.pdf?sfvrsn=b829a9b9_2))
- CUSOM Competencies ("Program Objectives") ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/medical-knowledge-for-practice-20.pdf?sfvrsn=4630a9b9\\_0](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/medical-knowledge-for-practice-20.pdf?sfvrsn=4630a9b9_0))

## Other

- Transfer Student Policy ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/transferstudentpolicy20.pdf?sfvrsn=5828a9b9\\_2](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/transferstudentpolicy20.pdf?sfvrsn=5828a9b9_2))



## Professionalism

The CU Anschutz Office of Professional Excellence (<https://www.cuanschutz.edu/offices/professionalism/#:~:text=The%20CU%20Anschutz%20Office%20of,on%20the%20Anschutz%20Medical%20Campus>) provides a private resource to obtain a fair and equitable process and resolution for all matters pertaining to professionalism concerns regarding students, residents, fellows, staff members, and faculty in any school or college on the Anschutz Medical Campus.

## Teacher Learner Agreement

This Teacher Learner Agreement ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/teacherlearneragreement-18-19.pdf?sfvrsn=3217c0b9\\_0](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/teacherlearneragreement-18-19.pdf?sfvrsn=3217c0b9_0)) serves both as a pledge and a reminder to teachers and students that their conduct in fulfilling their mutual obligations is the medium through which the profession perpetuates its ethical values.

## Risk Management

University Risk Management ([https://www.cu.edu/risk/?\\_ga=2.146526452.1555130146.1594649193-320053204.1594649193](https://www.cu.edu/risk/?_ga=2.146526452.1555130146.1594649193-320053204.1594649193)) promotes a safe learning and working environment for the University of Colorado community.

## Student Advocacy

As the Associate Dean for Student Advocacy, I help and advise medical and physical therapy students with any and all of their concerns. My interactions with students are entirely confidential and strictly "Off-of-the-Record". I have been in this position for nearly two decades and have gained considerable experience with many issues. At your request, I can serve as your advocate at promotions and honor council deliberations and various interactions with faculty. I am connected with and can make referrals to a cadre of other confidential professionals who are skilled in addressing academic and many other issues. It is always better if you seek my consultation earlier rather than later. My contact information is listed below:

John E. Repine, MD  
Waring Professor of Medicine and Pediatrics  
Director Webb-Waring Center  
Associate Dean for Student Advocacy  
303-724-4788 (office 8118 in RC-1)  
303-917-4257 (cell)  
[John.Repine@cuanschutz.edu](mailto:John.Repine@cuanschutz.edu) ([john.repine@ucdenver.edu](mailto:john.repine@ucdenver.edu))

## Disability, Travel, and Wellness Resources

As medical students, you have access to several resources from the AMA:

- Med-Plus Advantage Disability Income Coverage (<https://disabilityinsuranceagency.com/disability-insurance-quote/?msclkid=3a51269ea9b215bbae7c46d27895b73a>)
- Global Travel Service ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/global-travel-20.pdf?sfvrsn=b58cdeb9\\_0](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/global-travel-20.pdf?sfvrsn=b58cdeb9_0))
- Stress and Wellness Program ([https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/stress-and-wellness-20.pdf?sfvrsn=eab7deb9\\_0](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/stress-and-wellness-20.pdf?sfvrsn=eab7deb9_0))

[education-docs/ome/stress-and-wellness-20.pdf?sfvrsn=eab7deb9\\_0](https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/stress-and-wellness-20.pdf?sfvrsn=eab7deb9_0)

In addition to the pdfs attached above you can get more information from the Med Plus Advantage site (<http://www.medplusadvantage.com/>) and enter the code 644189 into the "My Med Plus Advantage" portion to access their certificates of coverage as well as membership cards and services. Also, you can contact your AMA Insurance Agency representative:

Brian Farmer  
National Account Executive, Brokerage Marketing  
AMA Insurance Agency, Inc.  
515 North State Street  
Chicago, IL 60654  
T: 312-464-5460  
M: 317-432-7656  
email: [brian.farmer@amainsure.com](mailto:brian.farmer@amainsure.com)

## Document Request

This online request form ([https://ucdenverdata.formstack.com/forms/som\\_document\\_request/](https://ucdenverdata.formstack.com/forms/som_document_request/)) can be used by former or current University of Colorado School of Medicine MD students. Requests may take up to 1 week after submission for processing. Upon completion, the Student Data Records Manager will send an email notification of completion.

Documents available:

- MSPE/ Dean's Letter
- Medical Education Verification
- True Copy of Diploma
- State Licensure (Form Only)
- State Licensure & Official Transcript

*If you only need an official transcript (with no accompanying form or letter), please order the transcript from the Office of the University Registrar.*

## Wellness

Campus Health Center (<https://www.ucdenver.edu/anschutz/campushealth/>) - The clinic accepts most health insurance, offers same or next-day appointments, and walk-ins are welcome. Example of services: Immunizations, minor skin condition, minor eye care, minor sprains, routine lab testing (strep, flu, mono) nebulizer treatments, suture removal, ear infections, colds and flu, well-woman exams, urinary tract infections. Blood glucose and blood pressure checks are also available. The clinic also has a well-staffed mental health clinic with experienced practitioners.

Mental Health Services (<https://www.ucdenver.edu/life/services/student-health/mental-wellness/>) - Provides comprehensive and confidential mental health services for all students (including postdoctoral fellows and graduate students) enrolled in the schools located at the Anschutz Medical Campus (Medical, Dental, Nursing, Pharmacy, Public Health, Physician Assistant, Physical Therapy, postdoctoral programs, graduate school, etc.). Initial appointments are scheduled relatively quickly, often within the same week. Options for ongoing care include receiving treatment from the AMC Student Mental Health clinicians, the UCH Outpatient

Psychiatry Clinic, and a community network of providers, depending on insurance coverage.

Colorado Physician Health Program (CPHP) (<https://cphp.org/>) - CPHP can assist students, physicians, residents who may have health problems, which, if left untreated, could adversely affect their ability to practice medicine safely. They can assist with Depression, Stress, Relationship Issues, ADHD, Chronic Pain, Emotional Problems, Bipolar, Career Issues, Substance Abuse, Professional Boundary Issues, Sleep disorders, Psychiatric Issues, etc. There is no charge to students for individual CPHP appointments CPHP provides: Evaluation and Assessment, Treatment Referral and Monitoring, Urine Drug Screen, Family services

Advocacy and Support Center (<https://www.ucdenver.edu/anschutz/studentresources/student-assistance/student-resources/Pages/CU-Anschutz-Advocacy-and-Support-Center.aspx>) - The CU Anschutz Advocacy and Support Center is a campus resource providing support to students, faculty, and staff who've experienced sexual assault or interpersonal violence at home or on campus in an education/clinical environment or a community/public setting.

- Office of Student Campus Services, AMC (<https://www.ucdenver.edu/anschutz/studentresources/student-assistance/Pages/default2.aspx>)
- Parking and Transportation (<https://www.ucdenver.edu/about/departments/FacilitiesManagement/ParkingMaps/Parking/Pages/Parking.aspx>)
- Printing Services (<https://www.ucdenver.edu/about/departments/printing/Pages/PrintingServices.aspx>)
- Student Conduct and Community Standards ([https://www.ucdenver.edu/life/services/standards/Pages/default.aspx%22%20/t%20%22\\_blank/](https://www.ucdenver.edu/life/services/standards/Pages/default.aspx%22%20/t%20%22_blank/))
- Student Insurance (<https://www.ucdenver.edu/life/services/student-health/insurance/Pages/default.aspx>)
- Student Housing (<https://www.ucdenver.edu/anschutz/studentresources/student-assistance/housing/Pages/home.aspx>)
- Veteran and Military Student Services (<https://www.ucdenver.edu/life/services/Veteran/Pages/vmsshome.aspx>)
- Wellness Center (<https://anschutzwellness.com/>)
- Writing Center (<http://writingcenter.ucdenver.edu/>)

## Campus Resources

- Academic Calendars (<https://www.ucdenver.edu/anschutz/studentresources/Registrar/CourseListings/Pages/AcademicCalendar.aspx>)
- Bursar's Office – Student Billing (<https://www.ucdenver.edu/anschutz/studentresources/StudentBilling/Pages/default.aspx>)
- Campus Security/Police (<https://www.cuanschutz.edu/police/>)
- CARE Team (Campus Assessment, Response & Evaluation Team) (<https://www.ucdenver.edu/student/health-wellness/care-team/>)
- Commuting to Campus (<https://www.ucdenver.edu/anschutz/studentresources/student-assistance/student-resources/Pages/Parking-Transportation.aspx>)
- Copy and Fax Machines (<https://www.ucdenver.edu/anschutz/studentresources/student-assistance/academic-resources/Pages/Copy-Machines.aspx>)
- Dental Insurance (<https://www.ucdenver.edu/life/services/student-health/dental/Pages/default.aspx>)
- Disability Resources and Services (<https://www.ucdenver.edu/anschutz/studentresources/student-assistance/academic-resources/Pages/Disability-Resources-and-Services.aspx>)
- Financial Aid (<https://www.ucdenver.edu/anschutz/studentresources/FASO/Pages/FASO.aspx>)
- Lactation Rooms Anschutz and Denver Campuses (<https://www.cu.edu/doc/copy-lactation-spaces-51018-updatespdf-1/>)
- Library (<https://library.cuanschutz.edu/>)
- Lockers Information Email ([tss.amcstudentlockers@ucdenver.edu](mailto:tss.amcstudentlockers@ucdenver.edu))
- Lost and Found on Anschutz Medical Campus (<https://www.cuanschutz.edu/police/services/lost-and-found/>)
- Needlesticks and Exposures Report (<https://mobile.ventivtechnology.com/go/0ad06ef8280ea36e48ddcf5a3f0b59f2/>)
- Office of Equity (<http://equity.ucdenver.edu/>)
- Office of Inclusion and Outreach (<https://www.ucdenver.edu/about/departments/odi/oio/Pages/default.aspx>)

## Faculty

To view the full Faculty Directory for the University of Colorado School of Medicine, please visit this site (<https://som.ucdenver.edu/Profiles/>).

## Courses

ANES 6038 - Clinical Anesthesiology IV (5.5 Credits)  
Developmental skills and foundations of the clinical practice of anesthesia gained through one-on-one supervised instruction in the operating room and other ancillary anesthetizing locations. Participation and responsibilities increase through the year as knowledge and skills develop. Prerequisite: Must be admitted to MMS Program. Department Consent Required.  
Grading Basis: GRD  
Typically Offered: Fall.

ANES 8000 - Clinical Anesthesiology (4-16 Credits)  
4 wks. 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.  
Grading Basis: Medical School HP  
Repeatable. Max Credits: 16.  
Typically Offered: Fall, Spring, Summer.

ANES 8001 - Surgery Intensive Care AI (8 Credits)  
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.  
Grading Basis: Medical School HP  
Typically Offered: Fall, Spring, Summer.

**ANES 8002 - Anesthesia Subspecialties (4-8 Credits)**

4 wks. Max: 4. 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, Cardiothoracics, Neurosurgery, Transplants and Pre-Anesthesia Testing. Prereq: ANES 8000.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

**ANES 8100 - ANES Elective Away (4-8 Credits)**

This Anesthesiology 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. Course offered 4 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**ANES 8600 - Research in Anesthesiology (4-16 Credits)**

2-8 wks. Prereq: Special permission and individual arrangements required in advance. The student must receive prior approval from the Associate Dean for Student Affairs. This course allows students to complete a research project in Anesthesiology.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Spring.

**ANES 8630 - ANES Research Elective Away (4-16 Credits)**

This Anesthesiology research elective will be held at a site in Colorado or another state. Course is only offered 2, 4 or 8 weeks

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**DERM 5001 - Łód Navajo IHS Spring Break Derm Elective (4 Credits)**

This course gives the first year medical student a weeklong immersive experience with the dermatology specialty and allows a unique opportunity for the student to learn about the barriers and facilitators to providing specialty care in a rural healthcare system on an American Indian reservation. It will teach social determinants of health, resource management, distance specialty care, and collaboration with other specialties.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**DERM 6660 - Career Elective in DERM (1 Credit)**

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.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**DERM 8000 - Dermatology Clinical Elective (4 Credits)**

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.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**DERM 8001 - Advanced Dermatology (8 Credits)**

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.

Requirements: Instructor Consent

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**DERM 8033 - Clinical Pediatric Dermatology (4 Credits)**

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

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**DERM 8200 - Course Work Away in Colo (4-32 Credits)**

Grading Basis: Conversion

Repeatable. Max Credits: 32.

**DERM 8300 - DERM Elective Away (4-8 Credits)**

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

International electives not allowed.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**DERM 8600 - Research in Dermatology (4-16 Credits)**

4,6, 8 wks. Max: 5. 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 in research seminars and to present their results. Prereq: Course Director approval required to register.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

Typically Offered: Fall, Spring, Summer.

**DERM 8630 - DERM Research Away (4-16 Credits)**

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

International electives not allowed.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**EMED 6620 - A Historical Survey of Pharmacology and Toxicology (1 Credit)**

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. For Phase II Medical Students only.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**EMED 6624 - Introduction to Wilderness Medicine (1 Credit)**

A didactic course to review basics of wilderness and environmental medicine, including high altitude, hypothermia, frostbite, dive medicine, and expedition medicine PLUS a morning with Rocky Mountain Rescue in Boulder learning rescue techniques and skills.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**EMED 6626 - Pre-Hospital Medicine (1 Credit)**

Min:10 Max:20. Enrollment restricted to (Emergency Medicine Interest Group) EMIG only. Students required to participate in 1 ten hour ride along shift with Denver Paramedic Division 911 ambulances, attend required Introductory lecture on pre-hospital medicine and submit 1 evaluation from ambulance ride.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**EMED 6627 - Introductions to Emergency Medicine and Trauma (1 Credit)**

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.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**EMED 6628 - Critical Care Transport Med (1 Credit)**

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.

Prerequisite: EMED 6626 Pre-Hospital Medicine.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**EMED 6629 - Emergency Med Skills (1 Credit)**

This course provides 48 hours of clinical work with an EMED attending physician with the purpose of exposing the student to the EMED environment and teaching procedural skills necessary for basic clinical care in preparation for an international experience. Restrictions: Approval by Course Director.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring.

**EMED 6630 - Emergency Medicine in South Africa (8 Credits)**

This is a 6 week clinical experience, students work in the Emergency Department of a public hospital in Cape Town, South Africa and contribute to ongoing research projects done in conjunction with Stellenbosch University. Prerequisite: Successful completion of EMED 6629. Course Restrictions: Course Director Approval.

Grading Basis: Pass Fail with IP

Typically Offered: Summer.

**EMED 6631 - Wilderness Advanced First Aid (1 Credit)**

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.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 5.

Typically Offered: Spring.

**EMED 8004 - Emergency Med Univ Hosp (4-8 Credits)**

2-4 wks. Max:4. Students are primary caregivers in a level II trauma center with a variety of patients and individual teaching time with attendings and senior residents. An excellent experience for students seeking instruction in the assessment and management of the undifferentiated patient.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**EMED 8005 - Emergency Medicine DHMC (8 Credits)**

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.

Grading Basis: Medical School HP

Typically Offered: Spring.

**EMED 8006 - Advanced Emergency Medicine (8 Credits)**

4 wks. Max:4. Student is primary caregiver for acutely ill/injured patients at DHMC Emergency Department, supervised by Emergency Medicine Staff. Daily lectures in traumatic/medical emergencies, conferences, "board rounds". Orientation, first day, 7:30 a.m. Admin Conf room.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Summer.

**EMED 8007 - Emergency Medicine Career Elective – Anschutz Campus (8 Credits)**

Students will rotate through Emergency Departments at University Hospital and Children's Hospital Colorado to gain education through a broad range of Emergency Medicine experiences. This course complements and does not replace 8006 and is offered during the summer of 2020. Emergency Medicine-Bound Senior Medical Students, Course Director Approval.

Grading Basis: Medical School HP

Repeatable. Max Credits: 16.

Typically Offered: Summer.

**EMED 8008 - Emergency Medicine Boot Camp (2-4 Credits)**

Through workshops and simulation, career-bound Emergency Medicine students will gain confidence in the approach to, and management of critical illness. Students will acquire successful approaches to cross-cover situations, patient decision making capacity, application of technology and mental preparation in advance of internship. Requisite: Emergency Medicine Career Bound Senior Medical Students

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 4.

Typically Offered: Spring.

**EMED 8010 - Climate Change and Medicine (4 Credits)**

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.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**EMED 8011 - Advanced EMED URM (8 Credits)**

Purpose: Guide and support medical students from URM groups who have an interest

Grading Basis: Medical School HP

Typically Offered: Fall, Summer.

**EMED 8012 - Virtual EM DHREM (4 Credits)**

An entirely virtual EM education experience for senior medical students pursuing EM as a career. Through virtual platforms and engaging interactive education sessions with our residents and EM faculty from Denver Health and the University of Colorado we will explore elements and themes that represent the essence of Emergency Medicine. Completion of major clinical year.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.



**EMED 8017 - Peds Emergency DHMC (4-8 Credits)**

2 or 4 wks. Max: 2. 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.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**EMED 8024 - Clinical Toxicology (8 Credits)**

4 wks. Max:2. Provides an introduction to medical toxicology at the RMPCD. Student will participate in clinical service including telephone consultation, fundamentals of environmental toxicology, public health concerns, and occupational toxicology. Each student will make one presentation toward the end of their rotation.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**EMED 8030 - Rural Emergency Medicine (4-8 Credits)**

A continuation of the Emergency Care Clerkship, currently a two-week required component of Phase III study. This course is for students who seek more in-depth knowledge and additional clinical skills, relating to Emergency Care in the rural setting.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 84.

Typically Offered: Fall, Spring, Summer.

**EMED 8031 - Wilderness Medicine (4 Credits)**

2 wks. Min:10/Max:25. 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. Restrictions: Must be a 4th year student in good academic standing. Not available to externs. Variable fee. Course offered sections 47 and 48 only.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**EMED 8050 - Emergency Medicine – Colorado Springs (4-8 Credits)**

Students will work with Emergency Medicine clinical faculty seeing patients in Colorado Springs' community-based Emergency Dept. Student will be exposed to the full range of Emergency Medicine. Course offered all semesters except sections 9-13 in 4th year.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**EMED 8100 - EMED Elective Away (4-8 Credits)**

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. 2 or 4 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**EMED 8600 - Research EMED (4-24 Credits)**

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 course director to design this elective. Offered 4, 8, or 12 weeks. Max enroll: 4.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

Typically Offered: Fall, Spring, Summer.

**EMED 8630 - EMED Research Away (4-8 Credits)**

This Emergency Medicine research 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. 2 or 4 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**FMMD 5005 - Introduction to Primary Care Sports Medicine (1-2 Credits)**

In order to increase exposure to the field of Primary Care Sports Medicine, students will participate in community based athletic coverage with faculty in the Division of Primary Care Sports Medicine. The course runs through Trimester 2 and 3.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**FMMD 5010 - Rural Program Seminars and Workshops (1-2 Credits)**

Course is open to & required for all students in the Rural Program. Sessions are focused on knowledge & skills that prepare Rural Program students for the rural longitudinal integrated clerkship & span these general domains: Clinical knowledge, clinical skills, community engagement & public health, professional ethics & healthcare business and finance.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**FMMD 5040 - Family Medicine Survey (1-2 Credits)**

Students will attend 12 weekly 1 hour sessions on a variety of foundational topics in primary care including family planning and contraceptive options with an accompanying skills workshop in contraceptive procedures, sports medicine in primary care with skills workshop in joint injections, addiction medicine and behavioral health in primary care, family centered maternity care with accompanying skills workshop in OB ultrasound, common dermatologic conditions in primary care with skills workshop in biopsy techniques, health equity and delivery of care to underserved populations. Students will have the opportunity to explore various models of primary care delivery and fellowship opportunities in family medicine.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**FMMD 6001 - Introduction to Primary Care Sports Medicine (1 Credit)**

In order to increase exposure to the field of Primary Care Sports Medicine, students will participate in community based athletic coverage with faculty in the Division of Primary Care Sports Medicine. The course runs from fall to spring. Phase I and II students can take course

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 2.

Typically Offered: Fall, Spring.

**FMMD 6624 - Intro to Homeless Healthcare (1 Credit)**

This course introduces students to healthcare of Denver's homeless through a homeless healthcare workshop and clinical care at the Stout Street Health Center. Must be available on Thursdays to complete required clinical sessions. Phase I and II students can enroll

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 2.

Typically Offered: Fall, Spring.

**FMMD 6628 - Rural Track Elective (1 Credit)**

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, mentor-ship, additional knowledge, broad skills and rural socialization experiences throughout the 4 years of school. Prereq: 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.

Grading Basis: Pass/Fail with IP

Typically Offered: Fall, Spring.

**FMMD 6630 - Summer Rural Track (8 Credits)**

Min:1 / Max:26. In this 4-week clinical experience students will live in a preceptor's community and participate in the professional and community life of a rural physician. Priority is given to students who have completed Rural Track elective FMMD 6628.

Grading Basis: Medical School HP

Typically Offered: Summer.

**FMMD 8002 - UC Health Fam Med AI (8 Credits)**

Offered all sections. 4 wks. Max:1. 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).

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**FMMD 8003 - Rose Family Medicine Sub-I (8 Credits)**

Students will be an acting intern on this Sub-I, including 3 wks of inpatient & 1 wk of outpatient. On inpatient, Sub-Is will complete orders, admission H&Ps, daily notes, discharge summaries, consultant calls, and attend didactics/teaching if time allows. On outpatient, Sub-Is will work alongside senior residents and faculty preceptors.

Grading Basis: Medical School HP

Typically Offered: Spring, Summer.

**FMMD 8007 - Out-Patient Family Med (8 Credits)**

Offered all sections. 4 wks. Max: 1. 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.

Grading Basis: Medical School HP

**FMMD 8008 - Occup/Envir Med In FMMD (4-8 Credits)**

Offered all sections. 2 - 4 wks. 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. Prereq: Course director approval required to add this elective.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

**FMMD 8012 - Oral Health: Acute Dental (4 Credits)**

2 wks. Max:4. 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. Prereq: 4th year medical student. Restrictions: This elective is offered only at selected times, students must communicate with Course Director about what times are available. It will not be offered in June, July, August, or December.

Grading Basis: Pass/Fail with IP

Typically Offered: Fall, Spring.

**FMMD 8017 - Northern CO Fam Med/OB AI (8 Credits)**

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 inpt medicine, 2wks OB/Newborn.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**FMMD 8018 - St. Joseph-Bruner FMC AI (8 Credits)**

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.

Grading Basis: Medical School HP

Typically Offered: Spring, Summer.

**FMMD 8019 - St Anthony Nth Fam Med AI (8 Credits)**

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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**FMMD 8020 - St. Mary's Family Med AI (8 Credits)**

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

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**FMMD 8021 - Southern CO Family Med AI (8 Credits)**

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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**FMMD 8022 - Swedish Family Medicine AI (8 Credits)**

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.

Grading Basis: Medical School HP

Typically Offered: Fall, Summer.

**FMMD 8023 - Fort Collins Family Med AI (8 Credits)**

We provide students with exposure to full scope family medicine. Our Sub-I 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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**FMMD 8024 - NCFM – Wray Med/Ob AI (8 Credits)**

Students work with family medicine faculty & residents while acting as the primary provider for several patients daily. Students see patients & assist team, while longitudinally participating in the care of patients between the ED, hospital, labor & delivery, and clinic. Requires commitment to participating in care over multiple settings. Pre-requisite: Open to students interested in pursuing a career in family medicine with specific interest in full-spectrum and rural family medicine.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**FMMD 8025 - NCFM – Sterling Med/Ob AI (8 Credits)**

Students work with family medicine faculty & residents while acting as the primary provider for several patients daily. Students see patients & assist team, while longitudinally participating in the care of patients between the ED, hospital, labor & delivery, and clinic. Requires commitment to participating in care over multiple settings. Requisite: Open to students interested in pursuing a career in family medicine with specific interest in full-spectrum and rural family medicine.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**FMMD 8030 - Outpatient Family Medicine, Denver Health Lowry (8 Credits)**

Full spectrum outpatient family medicine. Emphasis in immigrant/refugee health and care for marginalized communities. FQHC with wrap-around services: integrated BH, clinical pharmacy, WIC, dental, family planning, etc. Special opportunities include refugee clinic, MAT, transgender care, procedures/vasectomy, sports medicine.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**FMMD 8031 - Rural Health Policy and Advocacy Elective (4-8 Credits)**

Students who have done their core clinical clerkships in a rural area will identify a need or group of needs in a rural community, and complete a policy advocacy project to address this need. Prerequisite: Only students who have successfully completed the rural LIC are eligible for this elective.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**FMMD 8032 - Rural Clinical Elective (4-8 Credits)**

In this course, the student will participate in the care of patients in a rural setting. Students will work together with the course directors to identify preceptor(s) for this course. Preceptors will be from a variety of specialties that are available in rural areas. Prerequisite: Open to all students who have successfully completed core clinical clerkships.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**FMMD 8033 - Inpatient Family Medicine Elective (8 Credits)**

Students will complete a 4 week elective and function as a team member on the Family Medicine Inpatient service at Denver Health Hospital. During this elective, students will have the opportunity to function at the level of an acting intern to provide inpatient care to Family Medicine patients. Depending on student interest, there may be opportunities to spend time on the FM OB service at Denver Health, participating in the care of patients on labor and delivery, as well as rounding on newborn infants and providing postpartum care. Students will work directly with University of Colorado Family Medicine residents and Attendings.

Grading Basis: Pass Fail with IP

Typically Offered: Spring, Summer.

**FMMD 8034 - Rural Program Teaching Elective (2 Credits)**

In this course, upper class Rural Program students will serve as Teaching Assistants (TAs) for the RP Foothills elective which occurs on Wednesdays from 10am-noon. TAs will assist with building the Foothills schedule, assist with hands-on workshops, and lead/facilitate at least one session for the 1st year students. Prerequisite: only open to students in CU School of Medicine's Rural Program

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**FMMD 8100 - FMMD Elective Away (4-8 Credits)**

This Family Medicine elective will be held at a site in Colorado or another state. Students must obtain departmental approval one month prior to the start. 2 or 4 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**FMMD 8600 - Research in FMMD (4-24 Credits)**

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.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

**IDPT 5000 - Foundations Doctoring I (2 Credits)**

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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring.

**IDPT 5001 - Human Body (7 Credits)**

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

Grading Basis: Medical School HP

Typically Offered: Fall.

**IDPT 5002 - Molecules to Medicine (8 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.

Grading Basis: Medical School HP

Typically Offered: Fall.

**IDPT 5003 - Blood and Lymph (4 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 divided equally between lecture and discussion groups.

Grading Basis: Medical School HP

Typically Offered: Spring.

**IDPT 5004 - Disease and Defense (5 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.

Grading Basis: Letter Grade with IP

Typically Offered: Spring.

**IDPT 5005 - Cardiovascular/Pul/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.

Grading Basis: Letter Grade

Typically Offered: Spring.

**IDPT 5006 - Leading with Emotional Intelligence for Physicians (1-2 Credits)**

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.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**IDPT 5010 - First Course (1 Credit)**

This immersive course provides students with basic tools needed to begin medical school with confidence and success. It will encourage curious, life-long learning, foster commitment to serve the profession, our patients & society, and begin the development of physician leaders capable of transforming the health of diverse communities.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**IDPT 5011 - Biomedical Innovation and Entrepreneurship (2 Credits)**

This course will introduce medical students to the principles & practice of healthcare innovation & entrepreneurship.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**IDPT 5012 - Introduction to Global Health Research (1-2 Credits)**

This seminar series is open to medical students and CHA/PA students in the Global Health Track. Topics include pre-travel health and safety considerations, ethical issues in global health, human rights and health, as well as research and philosophical tools for culturally appropriate care in a sustainable fashion. The class is required of Global Health Track Students. The University of Colorado requires that all Medical Students planning a global health project for their MSA be in the global health track and participate in this course.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**IDPT 5013 - Medical Spanish (FCB) (1-2 Credits)**

.Course seeks to increase FCB 1st yr Med student comfort level interacting with Spanish-speaking patients. It is intended to be a precursor to clinical or community settings with Spanish-speaking patients. Hope to introduce students to the work done at CSU satellite campus in Todos Santos.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**IDPT 5014 - Narrative Medicine: Digital Stories and Community Engagement (1-2 Credits)**

After introduction to digital storytelling basics from experts, learners will create their own stories to practice the skills of making a narrative video & appreciate & honor the vulnerability inherent in sharing a personal story.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**IDPT 5016 - Foundational Principles (9 Credits)**

Introductory science content is encapsulated into a solid foundation upon which to construct more complex medical sciences knowledge while advancing students' professional competencies. Integrated Health & Society and Clinical Skills content will develop students' knowledge and skills to provide effective, equitable patient-centered care.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**IDPT 5017 - Hematologic & Lymphatic Systems (5 Credits)**

This course focuses on the basic science and clinical concepts underlying the origin, development, normal function, and related hematologic and immunologic disease states. Integrated Health & Society and Clinical Skills content will develop students' knowledge and skills to provide effective, equitable patient-centered care.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**IDPT 5018 - Gastrointestinal System (7 Credits)**

Clinical and basic science topics related to the normal function and diseases of the gastrointestinal tract and accessory organs will be merged with an overview of nutrient metabolism. Integrated Health & Society and Clinical Skills content will develop students' knowledge and skills to provide effective, equitable patient-centered care.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**IDPT 5019 - Pulmonary & Cardiovascular Systems (10 Credits)**

Fundamentals of physiology, pharmacology, immunology, and anatomy will dovetail into the pathophysiology of pulmonary and cardiovascular diseases to facilitate diagnosis and treatment. Integrated Health & Society and Clinical Skills content will develop students' knowledge and skills to provide effective, equitable patient-centered care.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**IDPT 5020 - Traverse (1.5-2.5 Credits)**

Traverse is a longitudinal experience including 5 dedicated weeks, during which students will complete comprehensive assessments of their clinical skills and medical knowledge. Longitudinal activities, such as coaching, direct patient care, and community-based service-learning, will support students' professional growth and development.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 6.

Typically Offered: Fall, Spring, Summer.

**IDPT 5021 - Renal & Urinary Systems (7 Credits)**

This course encompasses normal physiology, histology and anatomy as well as the pathophysiological dysfunction and pharmacology of the renal & urinary systems. Integrated Health & Society and Clinical Skills content will develop students' knowledge and skills to provide effective, equitable patient-centered care.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 5022 - Nervous System (8 Credits)**

A foundational, interdisciplinary approach to nervous system structure and function in health and disease will include neuroanatomy, pathophysiology, and pharmacology, among others. Integrated Health & Society and Clinical Skills content will develop students' knowledge and skills to provide effective, equitable patient-centered care.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.



**IDPT 5023 - Musculoskeletal & Integumentary Systems (7 Credits)**

This interdisciplinary course incorporates the anatomy, physiology and histology of skin, muscle, bone, peripheral nerves, cartilage, and ligaments with associated clinical conditions. Integrated Health & Society and Clinical Skills content will develop students' knowledge and skills to provide effective, equitable patient-centered care.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 5024 - Mind & Behavior (5 Credits)**

This course introduces the interplay between the biological, developmental, environmental, and psychological processes underlying human behavior, cognition, and emotions. Integrated Health & Society and Clinical Skills content will develop students' knowledge and skills to provide effective, equitable patient-centered care.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 5025 - Endocrine & Metabolic Systems (7 Credits)**

Biochemistry, pathology, physiology, immunology, and pharmacology are combined with the clinical approach to diagnosis and treatment of disorders of the endocrine system. Integrated Health & Society and Clinical Skills content will develop students' knowledge and skills to provide effective, equitable patient-centered care.

Grading Basis: Pass Fail with IP

Typically Offered: Summer.

**IDPT 5026 - Reproductive System & Life Cycle (9 Credits)**

The development, physiology, pathology, and pharmacology of the male and female reproductive systems are addressed along with changes in health and wellness across the lifespan. Integrated Health & Society and Clinical Skills content will develop students' knowledge and skills to provide effective, equitable patient-centered care.

Grading Basis: Pass Fail with IP

Typically Offered: Summer.

**IDPT 5027 - IHI Open School Basic Certificate: Introduction to Global Health (1-2 Credits)**

Earning the IHI Open School Basic Certificate in Quality and Safety boosts your knowledge and skills — and proves to educators and residencies you are serious about changing health care for the better. To receive the Certificate, you must complete the following 13 Open School courses: QI 101–QI105, PS 101–105, TA 101, PFC 101, and L 101.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**IDPT 5028 - One Health Elective (FCB) (1-2 Credits)**

One Health is a transdisciplinary concept that focuses on issues at the intersection of Human, Environmental, and Animal Health. The One Health Practicum will bring together groups of interdisciplinary undergraduate, graduate, and professional students to evaluate real-world One Health challenges in the City of Fort Collins.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 5029 - Clinical Medical Spanish (2 Credits)**

Students will learn and practice the language skills they need to communicate effectively with their Spanish speaking patients. The course is delivered in a hybrid format that allows students to complete weekly lessons and quizzes at their own pace and then join the live (synchronous) online sessions to practice the Spanish they are learning in the lessons.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 5030 - Anatomy Autopsy Dissection (3 Credits)**

Gain hands-on gross anatomy experience through cadaver dissection using a modified En Masse Autopsy Protocol. After organ bloc removal, students will complete additional dissections to expose key structures and relationships in the gastrointestinal, cardiovascular, pulmonary, urinary, reproductive and musculoskeletal systems. Pre-requisite: Students must have completed the Plains year and successfully passed each of the following 1st year courses with a significant gross anatomy component (GI, PCV, Neuro, MS-I) and successfully passed the anatomy lab practical exams in Compass 2, 3, and 4.

Grading Basis: Pass Fail with IP

Typically Offered: Summer.

**IDPT 5032 - Service-Learning Community Engagement Experience (1 Credit)**

Summer elective to continue community engagement experience without mandatory hours credit. Focus is to maintain continuity if desired. Pre-requisite: Successfully completed Plains.

Grading Basis: Pass Fail with IP

Typically Offered: Summer.

**IDPT 5037 - History of Race in Medicine (2 Credits)**

This course analyzes the history of medical racism from the colonial period to the present. Using secondary sources from medical historians and 1910 Flexner Report, the course will explore how slavery and systemic racism influenced medical education for minoritized populations, specifically Black Americans. Students will use critical race theory as a theoretical framework critically analyze the construction of medical education for Black students within the historical context of the time period.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 5040 - Trauma & Violence Informed Care: Addressing Interpersonal Violence in Medicine (1-2 Credits)**

We will teach students how to provide trauma informed services. We will address several types of violence as well as acknowledge cultural competency, implicit bias and how power and privilege affect our view. We will offer students real-life case studies and introduce speakers and topics that intersect with best practices in medicine.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 5041 - Space and Austere Medicine (1-2 Credits)**

A didactic and hands on skills course on the history of human health in flight and anticipated challenges with upcoming exploration missions. We emphasize human physiology in space, associated engineering constraints, and practice with skills and technologies used in extreme and austere medical care.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 5042 - Planetary Health: Look Up and Lead (1-2 Credits)**

To develop a strong foundation in planetary health. Identify the health impacts of climate change and effective responses on the part of specific health services. Apply knowledge of levels of prevention, climate mitigation and adaptation, and explain health co-benefits of actions. Access and interpret relevant local, regional, national, and global information about climate change effects on health. Demonstrate effective communication with stakeholders about planetary health topics. Describe ways that physicians and healthcare facilities can prepare for and respond to climate-related health risks. Apply knowledge of planetary health to basic clinical care of patients (eg. demonstrate how to take an environmental health history)

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 5043 - Digital MD: Social Media and Digital Scholarship (1-2 Credits)**

Explore online educational resources, personal branding, and digital professionalism. Participants will gain familiarity with social media networks and develop their own online brand. Capstone includes an online digital scholarship project (e.g. podcast, video, infographic) #MedEd #FOAMed

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 5090 - Mentored Scholarship I (1 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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring.

**IDPT 5091 - MSA Summer Elective (2 Credits)**

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 data, analyze, and interpret data, and submit written progress reports for their MSA project. Pre-requisite: IDPT 5090

Grading Basis: Pass/Fail

Typically Offered: Summer.

**IDPT 5094 - Research Track Plains Elective (1-2 Credits)**

The goals of the Research Track are: 1) to, foster student development of an identity as a physician capable of being deeply involved with and completing research efforts and for graduates to acquire the knowledge and skills to successfully complete the components of a research project. This elective is only for students who have been accepted into the Research Track in the first trimester.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 5095 - Research Track Phase I (1 Credit)**

Students complete training in citation manager software and initiate mentor-guided research. Prerequisite: Required if enrolled in Research Track. Instructor consent required. Course Restrictions: Must be a Research Track Student, this course replaces Mentored Scholarship requirement.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**IDPT 5096 - Summer Research Phase I (1 Credit)**

This course is for students desiring to do research at CU or other institutions during the summer in between first and second year.

Grading Basis: Pass Fail with IP

Typically Offered: Summer.

**IDPT 5200 - Introduction to Global Health (1-2 Credits)**

This one-credit course is designed to introduce clinicians in training to critical topics in global health. The course consists of lectures and group discussions lead by experts in a variety of global health-related diseases, public health priorities, and health policy issues.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 2.

Typically Offered: Fall, Spring.

**IDPT 5600 - Topics in Biomedical Science and Research (4 Credits)**

Research internship for undergraduate fellows in Graduate Experiences for Multicultural Students (GEMS) Program.

Grading Basis: Letter Grade

A-GRAD Restricted to graduate students only.

Typically Offered: Summer.

**IDPT 6000 - Foundations Doctoring II (2 Credits)**

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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring.

**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.

Grading Basis: Medical School HP

Typically Offered: Fall.

**IDPT 6002 - Digest/Endo/Metaboli Sys (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.

Grading Basis: Medical School HP

Typically Offered: Fall.

**IDPT 6003 - Life Cycle (5 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.

Grading Basis: Medical School HP

Typically Offered: Spring.

**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).

Grading Basis: Medical School HP

Typically Offered: Spring.

**IDPT 6006 - Obesity and Cardiovascular Disease (1 Credit)**

The course will cover how obesity relates to cardiovascular disease including basic and clinical mechanisms on the pathophysiology of vascular biology, insulin resistance, risk factors, and outcomes, and how therapeutic interventions modify cardiovascular disease risk.

Requirements: Course will span two semesters, Fall and then Spring

Grading Basis: Letter Grade

Typically Offered: Fall, Spring.

**IDPT 6010 - Spark Patient Change with Motivational Interviewing (1 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.

Course available to Phase I and II students

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**IDPT 6020 - Community Engagement Innovation (1 Credit)**

Transform the community into a classroom by partnering with community organizations to learn advocacy, population health, leadership, cultural competence and resilience. Students will work with the community—instead of for or in the community—with experiential learning supplemented by guided reflection, coaching, and peer-led workshops.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 5.

Typically Offered: Fall, Spring, Summer.

**IDPT 6083 - Traverse Course - Foothills (4-12 Credits)**

In this longitudinal, semester-long course which repeats each semester, students complete Compass Conversations, Basecamp activities, Service Learning requirements, and Mentored Scholarly Activity requirements.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 12.

Typically Offered: Fall, Spring, Summer.

**IDPT 6090 - Mentored Scholarship II (1 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

**IDPT 6094 - Master Degree Extended Study Course (1 Credit)**

A scholarly project approved by the Master's committee to act as a capstone for students obtaining the Master's in Medical Science degree. Pre-requisite: Completion of Phase 1 and Phase 2 of the SOM curriculum successfully.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 6095 - Research Track Phase II (1 Credit)**

1. Demonstrate progress towards the completion of your research project and publicly communicate understanding of the project to others a. Present WIP to peers and faculty in an oral presentation b. Effectively respond to comments and questions from peers about your research efforts c. Identify scientific questions when others present Prerequisite: Required if enrolled in Research Track. Instructor consent required.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**IDPT 6613 - Culinary Medicine Elective (1 Credit)**

Medical students will work along side culinary students in the kitchen for hands-on culinary and nutrition training. In addition to preparing recipes and discussing various aspects of the recipes, students will also complete modules, readings and discussions about a variety of nutrition topics and nutrition-related diseases.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**IDPT 6614 - Introduction to Clinical Ultrasound (1 Credit)**

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 this course. Course restricted to Phase II students only.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 6618 - Charting Your Career Path (1 Credit)**

The course is based on vocational theory and includes opportunities to learn about yourself and your interests, values, personality, and skills to support career decision-making. Students will take the Myers-Briggs Type Indicator, complete self-assessment activities on the CIM website, and explore career options through shadowing. Phase I students only.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 6619 - LGBTQ Health and Healthcare (1 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.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 6621 - Fun History of Medicine (1 Credit)**

During "History of Medicine for the 21st century: adding historical perspective to today's medical practice"; students will acquire and apply historical knowledge to provide answers to clinical cases from different historical periods; in an interactive, fun and engaging learning environment. Requisite: Can enroll in Fall and Spring or only one of the two semesters. Phase I & II students

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**IDPT 6623 - Refugee and Immigrant Health I (1 Credit)**

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 prepare students to provide culturally effective medicine to any population.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring.

**IDPT 6625 - Personalized Medicine in Health Care (2 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.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 6627 - Directed Study Basic Science (1-24 Credits)**

This course provides an opportunity for medical students to further develop and refine their knowledge of the basic sciences. Prereq: Course director approval required.

Grading Basis: Medical School HP

Repeatable. Max Credits: 24.

Typically Offered: Fall, Spring, Summer.

**IDPT 6629 - Sabes Spanish Immersion (1 Credit)**

SABES is a student-led course that meets on campus, October through mid-March. Sessions focus on improving vocabulary and grammar and strengthening medical Spanish language skills. There are 4 classes, to accommodate all ability levels. Students have the opportunity to practice taking medical histories with native Spanish speakers.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**IDPT 6630 - Spanish Interpretation (1 Credit)**

This course is for Phase I & II students. This course will equip students who have prior Spanish proficiency with vocabulary, skills, 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. Requisite: Must pass proficiency exam or have successfully completed the SABES course.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**IDPT 6631 - Mindful Living: Practice of Purposeful and Non-Judgment (1 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. Phase I & II students

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**IDPT 6636 - Summer Preceptor Exp (1 Credit)**

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. Course requirement: Course director approval required to add course.

Grading Basis: Medical School HP

Typically Offered: Summer.

**IDPT 6637 - LEADS 1 (2 Credits)**

Max: 20. 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. Restrictions: Phase 1 students only.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 6647 - LEADS 2 (1 Credit)**

Advocacy and Leadership skills applied in case-study. Prereq: IDPT 6637 LEADS 1-Spring Semester Elective. Elective Restrictions: Students who wish to enroll without having completed the spring course in Phase 1 may petition to course director if space allows. Phase 2 students only. 9 wks. Min:10 Max: 20.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**IDPT 6652 - Key Cncpt Ped Dsablty 3 (2 Credits)**

Grading Basis: Letter Grade

**IDPT 6655 - Asst Tech: Assess Incl I (2 Credits)**

Grading Basis: Letter Grade

**IDPT 6660 - Leadership Competencies for Physicians (1 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.

Grading Basis: Pass/Fail

Repeatable. Max Credits: 2.

Typically Offered: Fall, Spring.

**IDPT 6665 - Introduction to Global Health (1 Credit)**

This course, required for Global Health Track students, gives a broad overview of important issues in global health, e.g., the HIV epidemic, maternal-child health, humanitarian assistance, clean water and sanitation. Pass/fail based on attendance and final project (1- pager).

Grading Basis: Medical School HP

Typically Offered: Fall.

**IDPT 6667 - Global Health Studies (US) (10 Credits)**

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. Course restrictions: Must be enrolled in the Global Health Track.

Grading Basis: Medical School HP

Typically Offered: Summer.

**IDPT 6668 - Global Health Study Aboard (10 Credits)**

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. Course restrictions: Must be enrolled in the Global Health Track.

Grading Basis: Medical School HP

Typically Offered: Summer.

**IDPT 6669 - Global Health Seminar (1 Credit)**

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.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 6671 - Urban Underserved Care (1 Credit)**

This course, required for all CU-UNITE Urban Track students, is an introduction to important issues in urban underserved health care. Topics include: health disparities, mental health, substance abuse, and care for specific populations such as the homeless and refugee population. Max 30

Grading Basis: Medical School HP

Typically Offered: Fall, Spring.



**IDPT 6672 - Urban Underserved Care 2 (1 Credit)**

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. Restrictions: Only for CU-UNITE/Urban Underserved Track students.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring.

**IDPT 6840 - Independent Study (1-9 Credits)**

Grading Basis: Medical School HP

**IDPT 7000 - Foundations Doctoring III (0.5-1 Credits)**

This course is the third 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 2.5.

**IDPT 7001 - Integrated Clinicians 1 (2 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.

Grading Basis: Medical School HP

Typically Offered: Spring.

**IDPT 7002 - Integrated Clinicians 2 (2 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. 1 week.

Grading Basis: Medical School HP

Typically Offered: Spring.

**IDPT 7003 - Integrated Clinicians 3 (4 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. 2 weeks.

Grading Basis: Medical School HP

Repeatable. Max Credits: 4.

Typically Offered: Spring.

**IDPT 7005 - Foothills Basecamp - Transition to Clerkship (4 Credits)**

Students develop knowledge and skills necessary to transition to clerkships with confidence and success. Through multidimensional skills and case-based sessions, students will advance clinical reasoning, psychomotor, communication and efficiency skills as well as dedicate time to reflection and professional identity exploration.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**IDPT 7009 - LGBT Health Elective (8 Credits)**

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.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 7010 - Hospitalized Adult Care (16 Credits)**

Eight week block 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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**IDPT 7012 - Longitudinal Integrated Clerkship (2-6 Credits)**

This is a multidisciplinary course required of students participating in the LIC. Students will be required to manage cohorts of longitudinal patients, participate in projects and small group discussions, engage in reflective practice and complete logging of clinical requirements. Department Consent Required.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 12.

Typically Offered: Fall, Spring, Summer.

**IDPT 7013 - Longitudinal Internal Medicine (LIC) (2-6 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

Typically Offered: Fall, Spring, Summer.

**IDPT 7020 - Infant/Adolescent Care (12 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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**IDPT 7021 - Musculoskeletal Care (4 Credits)**

This block combines PM&R, Orthopaedics, 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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**IDPT 7022 - Longitudinal Pediatrics (LIC) (2-6 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

Typically Offered: Fall, Spring, Summer.

**IDPT 7030 - Obstetrics and Gynecology (8 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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**IDPT 7031 - Emergency Care (4 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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**IDPT 7032 - Longitudinal Obstetrics/Gynecology (LIC) (2-6 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

Typically Offered: Fall, Spring, Summer.

**IDPT 7033 - Longitudinal Emergency Med (LIC) (2-3 Credits)**

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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 6.

Typically Offered: Fall, Spring, Summer.

**IDPT 7040 - Psychiatric Care (8 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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**IDPT 7041 - Neurologic Care (4-8 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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**IDPT 7042 - Longitudinal Psychiatry (LIC) (2-6 Credits)**

This course will focus on psychiatric care of adults and children, and clinical experiences will include ambulatory settings, inpatient units, psychiatric emergency room, consults, and psychiatric specialties. Department Consent Required.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

Typically Offered: Fall, Spring, Summer.

**IDPT 7045 - COVID Elective (1-8 Credits)**

This 2-4 week elective utilizes a combination of online modules, virtual sessions, and service learning, research, education, or narrative component to help students learn and apply concepts around the COVID-19 pandemic to immediately care for patients and assist in community efforts to mitigate adverse consequences of emerging diseases. Crosslisted as IDPT 8045.

Grading Basis: Satisfactory/Unsatisfactory w/IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**IDPT 7049 - Clerkship Remediation (4-8 Credits)**

This remediation course is designed to allow the student to remediate a specialty clerkship or LIC specific requirements.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 7050 - Peri/Operative Care (16 Credits)**

While gaining experience in surgery and anesthesiology, students study surgical diseases and participate in the operative care and delivery of anesthesia during the peri-operative period. Assessment and management of common inpatient and ambulatory procedures are emphasized from initial patient referral to discharge.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**IDPT 7052 - Longitudinal Surgery (LIC) (2-6 Credits)**

This course focuses on surgical diseases. Students will participate in operative care and peri-operative care. 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

Typically Offered: Fall, Spring, Summer.

**IDPT 7054 - Interventional Radiology - (Denver Health) (8 Credits)**

A hands on clinical rotation with the IR section at Denver Health. This rotation exposes students to all aspects of IR including procedural skills, patient encounters, and targeted medical imaging interpretation. A useful course for students entering any field that interact with IR, as well as students considering a career in Radiology.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 7055 - Telehealth Selective Rotation (8 Credits)**

An exploratory course offering a broad array of telehealth experiences such as virtual urgent care, psychiatry, dermatology, stroke. Opportunities will be offered for independent study, scholarly projects and inclusion in business and innovation aspects of telehealth. Prerequisites: Pre-Clinical Rotation Coursework Complete.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 7056 - Emergency Medicine Elective for Phase 3 Students (8 Credits)**

A 4 week course designed to enhance a students knowledge regarding emergency medicine by completing clinical shifts in multiple emergency departments. In addition, students will complete shifts with other subspecialty and adjunct services which help provide care for patients in the emergency department.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 7057 - Integrative Musculoskeletal Medicine (8 Credits)**

This course includes experiences in: PM&R, rheumatology, primary care sports medicine, radiology and will focus on outpatient MSK care including patient presentations, exam, testing and treatment. Managing MSK conditions is essential for practice in internal medicine, family practice, emergency medicine, pediatrics, among others.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 7058 - Ophthalmology (8 Credits)**

This course is intended to introduce medical students to the clinical practice of ophthalmology. The course will provide exposure to numerous sub-specialties within the field, allowing students to shadow within ophthalmology departments at the University of Colorado, Children's Hospital, the VA, and Denver Health. Prerequisites: Phase III Students Only.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 7059 - Anesthesiology Selective (UH) (8 Credits)**

Students will gain knowledge and skills related to the clinical practice of anesthesiology working as part of the anesthesiology team. Knowledge gained will pertain to pre-operative assessment and optimization, intraoperative and post-operative care. Skills gained will relate to vascular access, airway, pressors, ventilators and more.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 7062 - Longitudinal Family Medicine (LIC) (2-6 Credits)**

This course focuses on broad spectrum family medicine including acute and chronic ambulatory care, hospital care, and obstetric care of adults and children. Students will participate in the provision of comprehensive patient-centered primary care and will focus on the longitudinal acute and chronic disease management, prevention and health. Department Consent Required.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

Typically Offered: Fall, Spring, Summer.

**IDPT 7070 - Community and Primary Care (16 Credits)**

Students will be immersed in a primary care setting and experience a broad scope of care in the context of the communities in which patients live. This course emphasizes ambulatory clinical skills, patient-centered care, critical appraisal and application of national screening guidelines, and inter-professional collaboration.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**IDPT 7075 - VA Sequential Training Program (1-2 Credits)**

The VA Sequential Training (VAST) 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 2.

Typically Offered: Fall, Spring, Summer.

**IDPT 7080 - Integrated Longitudinal Medicine Clerkship (16-32 Credits)**

The ILMC is a unique 16-week 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. Requisite: 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 32.

Typically Offered: Fall, Spring, Summer.

**IDPT 7085 - Integrated Longitudinal Medicine Clerkship (2 Credits)**

This is a multidisciplinary course required of students participating in the ILMC. Focus will be on supervised self-directed and team learning, community involvement, and provision of health care within a community

Grading Basis: Medical School HP

Repeatable. Max Credits: 2.

Typically Offered: Fall, Spring, Summer.

**IDPT 7090 - Mentored Scholarship III (1 Credit)**

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

Grading Basis: Medical School HP

Typically Offered: Fall, Spring.

**IDPT 7095 - Research Track Phase III (1 Credit)**

Students clarify and plan Phase IV process for completing Research Track requirements. Prerequisite: Required if enrolled in Research Track. Instructor consent required.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**IDPT 7101 - Clinical Practice Exam (CPE) Formative (1 Credit)**

To advance to Phase IV, students must complete all required Phase III clerkships with passing grades, must complete the required Longitudinal Curriculum elements, the formative CAPE assessment, and successfully pass or remediate the Clinical Practice Exam (CPE).

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 7102 - Clinical Practice Exam (CPE) Summative (1 Credit)**

To advance to Phase IV, students must complete all required Phase III clerkships with passing grades, must complete the required Longitudinal Curriculum elements, the formative CAPE assessment, and successfully pass or remediate the Clinical Practice Exam (CPE).

Grading Basis: Pass/Fail

Typically Offered: Fall, Spring, Summer.

**IDPT 7160 - Philosophical Foundations of Research Ethics (2 Credits)**

This course will examine the philosophical basis for current research ethics practices, address current ethical issues and controversies in biomedical research, and provide students with knowledge and analytical skills to address the ethical dimensions of biomedical research.

Crosslisted: CLSC 7160

Grading Basis: Letter Grade

Typically Offered: Spring.

**IDPT 7200 - Scientific Writing for Doctoral Students (2 Credits)**

Scientific writing course for students engaged in research. Focuses on critical thinking, analytical writing, and oral presentation. Taught as a writing workshop, the course emphasizes effective communication with both professional and non-technical audiences. Restrictions: Must have passed preliminary examination; permission of instructor.

Grading Basis: Letter Grade

A-GRAD Restricted to graduate students only.

Typically Offered: Spring.

IDPT 7301 - Introduction to Life Science Technology Commercialization (1-3 Credits)

Course designed to familiarize graduate level engineering, business, law, science students with fundamentals of life science technology commercialization including drugs, devices, diagnostics, healthcare IT and platform applications. Three consecutive, 5-week classes, each 1 credit. Open to all graduate level students.

Grading Basis: Letter Grade

Repeatable. Max Credits: 3.

Typically Offered: Fall, Spring.

IDPT 7610 - Phcl & Anat of Cntral Nerv Sys (1 Credit)

Grading Basis: Letter Grade

IDPT 7628 - Gerontological Pharm (2 Credits)

Grading Basis: Letter Grade

IDPT 7630 - Detetrn Prima Struct Biomolecl (4 Credits)

Grading Basis: Letter Grade

IDPT 7640 - Molecular/Cell/Dev/Endo (3 Credits)

Grading Basis: Letter Grade

IDPT 7642 - Introduction to Laboratory Animal Research (1 Credit)

Provides basic knowledge on the use of laboratory animals, animal welfare and animal models. Includes general concepts on animal biology and husbandry for most common laboratory species and incorporates essential principles of anesthesia, analgesia, surgery and peri operative care.

Grading Basis: Letter Grade

Typically Offered: Summer.

IDPT 7646 - Tissue Biology and Disease Mechanism (3 Credits)

This course provides an overview of organ systems and through 1) a survey of the major systems, including the cellular and molecular mechanisms underlying their function and repair, integrated with 2) common diseases, current therapies, and their mechanistic basis. Prereq: IDPT 7811, 7812, 7813, 7814, 7815 (BIOM Sci Core Courses).

Grading Basis: Letter Grade

A-GRAD Restricted to graduate students only.

Typically Offered: Fall.

IDPT 7656 - MSTP MSIII Clinical Interval (1-3 Credits)

Course restricted to MSTP MSIII students for clinical gap intervals. Prerequisite: MSTP director approval required. Instructor consent required

Grading Basis: Satisfactory/Unsatisfactory w/IP

Repeatable. Max Credits: 12.

Typically Offered: Fall, Spring, Summer.

IDPT 7727 - Directed Study Clinical Sci (4-24 Credits)

This course provides an opportunity for medical students to further develop and refine their knowledge of the clinical sciences. Course will include scheduled study time, regularly scheduled practice exams, tutoring in clinic content and test taking strategies. Prereq: Course Director approval required to add.

Grading Basis: Medical School HP

Repeatable. Max Credits: 24.

Typically Offered: Fall, Spring, Summer.

IDPT 7777 - Off Time (0 Credits)

Grading Basis: Non-Graded Component

Repeatable. Max Credits: 24.

IDPT 7850 - Independent Study in Bioethics, Medical Humanities or Health Law (1-6 Credits)

Course is designed to meet the needs of students interested in conducting advanced studies of issues and topics in bioethics, medical humanities, or health law. Students will work under the direction of the course director on a specific research topic. Course Restrictions: Permission of the instructor. Repeatable for credit within the degree program, but not within the same term. Max credits - 6.

Grading Basis: Letter Grade

Repeatable. Max Credits: 6.

A-GRAD Restricted to graduate students only.

Typically Offered: Fall, Spring, Summer.

IDPT 8000 - Foundations Doctoring IV (2-4 Credits)

2.0 cr. Summer, 4.0 Fall and Spring. 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. Prereq: IDPT 7000.

Grading Basis: Medical School HP

Repeatable. Max Credits: 4.

Typically Offered: Fall, Spring, Summer.

IDPT 8001 - Tutoring in Clinical Skills (2 Credits)

Fourth year students are trained to be tutors and utilize these skills with pre-clerkship students developing their physical exam, communication and clinical reasoning skills.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 2.

Typically Offered: Fall, Spring, Summer.

IDPT 8003 - Geriatrics (4-8 Credits)

2-4 wks. Max: 2. Geriatrics elective will provide clinic exposure to caring for older adults in the outpatient primary care and sub-acute rehab settings. Learning objectives focus on the special needs of frail or chronically ill older adults and resources beyond direct physician care utilized for this population.

Grading Basis: Pass Fail with IP

IDPT 8004 - Integrated Clinicians 4 (4 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. 2 weeks.

Grading Basis: Medical School HP

Typically Offered: Spring.

IDPT 8005 - Integrated Clinicians 5 (4 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. 2 weeks.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring.

IDPT 8007 - Medicine/Pediatrics (4-8 Credits)

2 or 4 wks. The 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.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.



**IDPT 8011 - Clinical Nutrition (4 Credits)**

2 wks. Max:1. 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.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 8014 - Global Health US Project (8-16 Credits)**

4-8 wks. Max:20. This course is the continuation of IDPT 6667 & 6668. Students will undertake a global health project at a US-based site under the supervision of their designated mentor and local supervisors. Restrictions: Course director approval required to add course.

Grading Basis: Medical School HP

Repeatable. Max Credits: 16.

**IDPT 8015 - Global Health Intl Project (8 Credits)**

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

Grading Basis: Medical School HP

Repeatable. Max Credits: 24.

Typically Offered: Fall, Spring, Summer.

**IDPT 8016 - Physician as Educator (2 Credits)**

This elective is intended to develop your skills as an effective teacher in clinical and classroom settings. This will include participation in evening teaching workshops and co-precepting.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 2.

Typically Offered: Fall, Spring.

**IDPT 8018 - Global Health & Disaster (4 Credits)**

This international health course is a two week training offered once a year as part of the University of Colorado School of Medicine Global Health Track. This course prepares its participants for international experiences and future global health work.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**IDPT 8019 - Team-based Clinical Care (2 Credits)**

A longitudinal, interprofessional course consisting of three activities including Voice of the Patient (opportunity to learn about the patient experience in healthcare), Adverse Event Review (opportunity to analyze a patient safety event), and an Executive Summary Analysis (allowing students to analyze a healthcare system inefficiency).

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 4.

Typically Offered: Fall, Spring.

**IDPT 8020 - Physician as Advisor (2 Credits)**

1 wk: 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. Longitudinal course that can conflict with other courses. This is a 2 semester course and each semester counts for 2.0 credit hours. Prerequisites: Fourth year standing and selection as a "Student Advisor" in the Advisory College Program.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring.

**IDPT 8021 - Costa Rica Spanish Immersion (4-8 Credits)**

This capstone Spanish immersion course in Costa Rica includes home stays, intensive language instruction and public health and community outreach activities in under-served communities. Student should be passionate about providing care to disadvantaged patients in the USA or abroad and committed to improving their Spanish language skill. Requisite: Contact course coordinator for information. Department Consent required.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**IDPT 8022 - Clinical Medical Spanish (8 Credits)**

Clinical Medical Spanish is a local near-immersion experience in medical Spanish, consisting of classroom instruction in medical Spanish and immersion experiences with various Spanish speaking staff in the health care professions.

Grading Basis: Medical School HP

Typically Offered: Fall.

**IDPT 8023 - Refugee Health II (4-8 Credits)**

Refugee health II will provide students with exposure to the social factors which impact upon the health of refugees in the Denver metro region. Students will work with agencies providing services to refugees and participate in home visits and outreach activities within community settings.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**IDPT 8024 - Leadership Reading Elective (8 Credits)**

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.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 8025 - Clinical Ultrasound-Emergency Department-DHHA (4 Credits)**

Clinician-performed US is an integral skill in many specialties. This elective enables students to gain valuable skills in acquisition and interpretation of bedside US exams. This elective involves didactic and hands-on educational opportunities. Students are required to participate in 2 scanning sessions for the SOM US curriculum. Hands-on bedside ultrasound scanning, didactic sessions, video review.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**IDPT 8026 - Critical Care & Procedural Skills (2-4 Credits)**

Formerly EMED8007. Students will participate in an intensive 2-week elective with performance-based, hands-on training in 4 procedural skill areas: airway management, laceration repair, fluid sampling, and vascular access. Students will also complete training in management of critically ill patients using procedural skills and simulated patients. Department Consent

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Spring.

**IDPT 8027 - Race in Medicine (4 Credits)**

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.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 8028 - The Business of Medicine (4-8 Credits)**

This interactive course enhances students' Healthcare System Literacy, i.e. understanding how healthcare is structured, financed, and regulated. With micro- to macro-level modules, the course helps prepare students for personal practice challenges as well as for improving healthcare more broadly.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Spring.

**IDPT 8029 - Trek Integrated Critical Care (8 Credits)**

Course combines clinical, didactic, and Sim to teach the foundations of critical care medicine, focusing on day-1 intern readiness and creating well-rounded physicians. Topics covered include "sick vs not sick", initial patient stabilization, circulatory and respiratory failure, mechanical ventilation, and common ICU procedures. Only for Phase IV students that have completed their required Acting Internship.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**IDPT 8030 - Laboratory Medicine (8 Credits)**

Lecture-based elective provides a comprehensive overview of Clinical Pathology and laboratory testing. It reviews biochemical, physiologic, and pathologic phenomena on which laboratory tests are based and emphasizes approaches to the ordering, interpretation, and pitfalls of laboratory tests.

Grading Basis: Medical School HP

Typically Offered: Fall.

**IDPT 8031 - Genetics and Precision Medicine (8 Credits)**

Genetic and precision medicine is expanding into all aspects of clinical medicine. This course will allow students to delve deeper into this field to be better prepared to practice genomic medicine, manage patients with genetic conditions, and be better prepared to apply emerging therapies (gene therapy, CRISPR, RNA therapies).

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 8032 - Longitudinal Ultrasound Elective (4-8 Credits)**

The longitudinal ultrasound elective is an elective designed to give students hands-on practice with ultrasound with a preceptor over the course of their fourth year. The students will work with the preceptor to complete 150 clinical ultrasounds and complete course learning objectives. Students will be assigned a preceptor based on their clinical area of interest.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 8033 - MSTP Trailhead Course (4-8 Credits)**

This course is specifically designed to prepare MD / PhD students, who are returning to clinical clerkships, for a successful transition into direct clinical care learning experiences. Students can choose to spend one month on an academic inpatient Internal Medicine, or General Surgery, service. (Students let the course director know whether they want to do Medicine or Surgery; these cannot be combined into one month.) Students will develop the knowledge, skills, and attitudes to work with an interdisciplinary team to workup, diagnose, and treat acutely ill adults in the inpatient setting.

Grading Basis: Pass Fail with IP

Typically Offered: Summer.

**IDPT 8034 - Virtual Health Center Elective (4 Credits)**

This elective explores the use of virtual health in individual and systems level care. Students will gain confidence caring for patients over video, participate in system-wide sepsis care, and explore many unique applications of technology to health care at the Virtual health Center.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 8035 - International Experiences (4-16 Credits)**

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.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**IDPT 8036 - Global Health and Underserved Populations (8 Credits)**

This underserved populations course will cover critical approaches to overcome challenges and limitations in the medical care of vulnerable groups living in developed (global health without travel) and underdeveloped settings (global health).

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 8037 - Advanced Neurosciences (8 Credits)**

This course will integrate neuroscience and clinical science as applied to diseases and disorders of the nervous system. The curriculum will integrate neuroanatomy, neurophysiology, and neuropharmacology with clinical neurology, neurosurgery, neuroradiology, and neuropathology.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 8038 - Cardiology Connections (8 Credits)**

This course is designed for post-clinical year medical students who wish to enhance their ability to utilize basic scientific principles and knowledge in the practice of cardiovascular medicine.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 8039 - Advanced Immunology and Immunotherapy (8 Credits)**

This course will investigate the cellular and molecular processes necessary to achieve an advanced understanding of how the immune system maintains balance and operates in health and disease. Recent immunotherapeutic advances that have revolutionized treatment options will also be examined. Intensive analysis of selected topics, primary literature and relevant clinical cases focused within the field of immunology will result in the development of content integration skills, critical thinking, and analysis skills that can be applied to the practice of medicine as well as global scientific and societal issues.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 8040 - Physician as Healthcare Improver (2-4 Credits)**

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 implications for future career.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**IDPT 8041 - IHQSE Quality Improvement Practicum (4-8 Credits)**

This is a one semester longitudinal course offered Fall and Spring semesters. This course fosters inter-professional communications and enables students to obtain knowledge and skills for Quality Improvement (QI). Students will be integrated into ongoing quality improvement projects and work with Attending and/or Resident.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring.

**IDPT 8042 - Foundations in Obesity Medicine and Nutrition (4 Credits)**

The focus of this elective is on recognition, assessment, and treatment and prevention of obesity. Students interested in improving their knowledge innutrition and interacting both in outpatient and surgical management of obesity should take this elective.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**IDPT 8044 - Health Systems and Community Leadership Trail (2 Credits)**

Students will be equipped with skills needed in leadership roles in healthcare organizations – group practices, academic departments, community non-profits, hospital executive teams. Learning strategies will be mentorship and simulation exercises supplemented with directed reading and classroom discussion. Emphasis is on balancing professional values with financial reality.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**IDPT 8045 - COVID Elective (4-8 Credits)**

This 2-4 week elective utilizes a combination of online modules, virtual sessions, and service learning, research, education, or narrative component to help students learn and apply concepts around the COVID-19 pandemic to immediately care for patients and assist in community efforts to mitigate adverse consequences of emerging diseases. Crosslisted as IDPT 7045

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**IDPT 8046 - IHI Open School Basic Certification (1 Credit)**

Students complete the Institute for Healthcare Improvement (IHI) Open School Basic Certificate in Quality and Safety, comprising 13 courses (17.75 total hours), which provides a well-rounded introduction to quality, safety, population health, equity, health care leadership, and person- and family-centered care.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 8047 - LIC Ambassadors (2-8 Credits)**

Students will apply to become LIC Ambassadors following their LIC Foothills year, enabling them to participate in leadership, education, and project work, while serving future students as a peer-mentor and advisor, supporting LIC program directors, participating in scholarly work, helping with faculty development, and developing skills in medical education and teaching. Pre-requisite: Student must have completed the LIC in which they are serving as an Ambassador, unless approved exception by the LIC Director and Assistant Dean of Medical Education, Clinical Clerkships.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**IDPT 8048 - Future Leaders in Medical Education (4 Credits)**

Welcome to Future Leaders in Medical Education s. This course is designed to prepare medical students to be the future leaders, teachers, and researchers in medical education. By developing medical education skills that can be implemented on day one of intern year, students will leave the course prepared for their roles as medical educators in residency and with tools for their future careers. We will introduce students to topics such as adult learning theory, curriculum design, evaluation and assessment, teaching, feedback, education administration, medical education research and scholarship, careers in medical education, and designing inclusive learning environments.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**IDPT 8049 - Multiple Chronic Conditions (8 Credits)**

This course explores current models of care for populations with Multiple Chronic Conditions (MCC), identifies barriers and gaps in current care and systems, and assesses impact of chronicity/disability at population and systems levels.

Grading Basis: Medical School HP

Typically Offered: Fall.

**IDPT 8050 - Mental Health-Colorado Springs (4-8 Credits)**

Students will work with a mental health team embedded within a primary care clinic, with a goal of improving primary care provider comfort in identifying and treating common mental health conditions.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 8051 - Infectious Diseases - Colorado Springs (4-8 Credits)**

Students work with Infectious Disease clinical faculty seeing patients in C. Springs community-based setting. Students see patients in outpatient clinic, inpatient consultation, and the infusion center. This course is designed for students looking to deepen their understanding of the diagnosis, management, and treatment of acute infection

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**IDPT 8052 - Introduction to Public Health-Colorado Springs (4-8 Credits)**

The principles of Population Health are essential for future physicians to understand. Physicians function within a larger community of allied healthcare providers to include Public Health professionals. Social and ecological factors play a greater role in the health of communities than clinical interventions. Course offered Aug and Oct.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Summer.

**IDPT 8053 - Medical Improvisation (4 Credits)**

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.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 8054 - CSB Community Engagement (4 Credits)**

Community Engagement provides CSB students mentorship to guide community-based collaborations and project development. Participants can advance PEAK partnerships or pioneer new collaborations.

Quarterly small group "Community Lab" explores goals, outcomes, obstacles, scholarship, and reflection related to community engagement. Requisite: Students must be graduates of the Colorado Springs Branch's COSMIC LIC program as coursework builds off of unique elements of the CSB Phase 3 curriculum.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 4.

Typically Offered: Fall, Spring.

**IDPT 8059 - Space Med: Human Spaceflight & Medical Risk Assessment (8 Credits)**

Space Medicine: Human Spaceflight Factors & Medical Risk Assessment. This course will focus on the evidence based medicine process to quantify medical risk of both common and space-specific conditions, as well as include a longitudinal curriculum on space medicine, taught by NASA physicians based at the Johnson Space Center in Houston.

Grading Basis: Pass/Fail

Typically Offered: Fall, Spring, Summer.

**IDPT 8060 - Alpine Basecamp - Transition to Adv Clerkship (4 Credits)**

The Alpine Basecamp will further develop students' knowledge, skills, and attitudes necessary to begin their advanced clinical rotations with confidence and success. Through skills practice and case-based sessions, students will advance clinical reasoning, psychomotor, communication, and efficiency skills.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 8061 - Summit Basecamp - Transition to Residency (8 Credits)**

The Summit Basecamp- Transition to Residency (TTR) is a curriculum designed to prepare graduating medical students to be safe, efficient, and confident day-1 interns.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 8062 - Research Trail II (4 Credits)**

The Research Trail provides research education and training tailored to the collective and individual needs of medical students with research/academic career interests.

Grading Basis: Pass Fail with IP

**IDPT 8063 - Bioethics & Humanities Trail (4 Credits)**

This course provides a broad introduction to bioethics and humanities. Through a combination of didactics and experiential, self-directed learning, learners will explore academic options and career pathways in bioethics and humanities. Learners can customize portions of the course to meet their needs and interests.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**IDPT 8064 - Medicine and the Holocaust (4 Credits)**

This 2-week intensive explores the history of health professional involvement in the Holocaust - including coverage of US race and eugenics policies that influenced the Nazis - and the ongoing legacy of this history for contemporary bioethics. It features direct interactions with experts from around the world, including our annual Week of Remembrance keynote speaker. Learners will also develop a capstone presentation for their peers.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**IDPT 8083 - Traverse Course - Alpine & Summit (4-24 Credits)**

In this longitudinal, semester-long course which repeats each semester, students complete Compass Conversations, Basecamp activities, Service Learning requirements, and Mentored Scholarly Activity requirements.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

Typically Offered: Fall, Spring, Summer.

**IDPT 8090 - Mentored Scholarship IV (1-8 Credits)**

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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring.

**IDPT 8091 - MSA Phase IV Preparation (8 Credits)**

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

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**IDPT 8093 - IDPT Scholarly Activity (8 Credits)**

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). 4 weeks. Cannot be taken after section 47. Prereq: Special permission and individual arrangements required in advance. Student must have a faculty/project mentor who will sign off on the project.

Student must receive prior approval from Assoc. Dean for Student Affairs.

Grading Basis: Medical School HP

Repeatable. Max Credits: 24.

Typically Offered: Fall, Spring, Summer.

**IDPT 8095 - Research Track Phase IV (1-8 Credits)**

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: Required if enrolled in Research Track. Instructor consent required.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring.



#### IDPT 8500 - Independent study in Research or other degree (2-3 Credits)

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.

Requisite: Consent form Associate Dean of Student Life, School of Medicine Required

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 7.

Typically Offered: Fall, Spring, Summer.

#### IDPT 8540 - DH-LIC Capstone Social Medicine (4 Credits)

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.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

#### IDPT 8601 - Research Track, Research I (8 Credits)

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. Limited to and required for Phase IV (MS4) medical students who are in good standing in the Research Track. Course Director approval required. 4 weeks.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

#### IDPT 8602 - Research Track, Research II (8 Credits)

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. 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. Prereq: IDPT 8601. Course Director approval required. 4 weeks.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

#### IDPT 8610 - Scholar's Year Research (2 Credits)

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. Requisite: Must have successfully completed all 3rd year courses to enroll

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 6.

Typically Offered: Fall, Spring, Summer.

#### IDPT 8640 - DHLIC Longitudinal Scholarship (4-8 Credits)

A longitudinal elective available to alumni of the DH-LIC 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.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

#### IDPT 8890 - Clinical Experience for CTSI PhD Students (1 Credit)

Each student will identify a clinician mentor who will develop/direct clinical experience tailored to student's thesis research. It may include participation in relevant clinical conferences, a direct clinical experience, clinical research, and preparation of a clinical research protocol. Prereq: IDPT 7805 & 7646, EPID 6630, BIOS 6601 or equivalent. Restrictions: PhD Graduate Students.

Grading Basis: Letter Grade

A-GRAD Restricted to graduate students only.

Typically Offered: Fall, Spring, Summer.

#### IPCP 5000 - Interprofessional Collaborative Practice (1 Credit)

This course develops core competencies in teamwork & collaboration for incoming health professions students. Students will learn in Interprofessional teams coached by Interprofessional faculty, develop essential communication skills and processes for simultaneous and sequential teams, and provide feedback on individual and team performance to improve Interprofessional collaboration.

Grading Basis: Satisfactory/Unsatisfactory w/IP

Repeatable. Max Credits: 1.

Typically Offered: Spring.

#### IPCP 5500 - IP Collaborative Practice & Ed Independent Study (0.5-1 Credits)

The IPCP 5500 Independent Study, will allow students to explore IPCP content that complements and/or improves their knowledge and understanding of Inter-professional Practice and Education.

Grading Basis: Satisfactory/Unsatisfactory w/IP

Typically Offered: Spring.

#### IPHE 5500 - IP Ethics & Health Equity Independent Study (0.5-1 Credits)

The IPHE 5500 Independent Study, will allow students to explore IPHE content that complements and/or improves their knowledge and understanding of Inter-professional Practice and Education.

Grading Basis: Satisfactory/Unsatisfactory w/IP

Typically Offered: Fall.

#### IPHE 6000 - IPE Healthcare Ethics & Health Equity (1 Credit)

Develops foundational knowledge and basic practical skills to identify, analyze, and resolve ethical & health equity issues in clinical practice. Integrates inter-professional collaboration & teamwork to teach students ethical theory & reasoning, professional ethics and its historical origins, and approaches to health care decision-making.

Grading Basis: Satisfactory/Unsatisfactory w/IP

Repeatable. Max Credits: 1.

Typically Offered: Fall.

#### MEDS 5040 - Critical Cases in Bioethics (1-2 Credits)

This elective provides learners with an opportunity to explore the field of bioethics as applied to medicine and health through the lens of critical cases in the history of bioethics. The course will pay special attention to ethical issues surrounding the potential integration of clinical care and overall population health, health inequalities, and questions of fairness as applied to medicine and health.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

#### MEDS 6050 - Mission Medical Clinic Colorado Springs (2 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.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 10.

Typically Offered: Fall, Spring, Summer.

**MEDS 6621 - Geriatric Medicine (2 Credits)**

Aging in America, exposure to geriatric health care ranging from prevention among healthy community dwelling elderly to hospice care for terminally ill in nursing homes. Course requirement: Students must contact the course coordinator two weeks prior to beginning elective.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring.

**MEDS 6623 - Intro Biomedical Research (1-24 Credits)**

Independent study with a mentor of your choice. A short paper on a subject chosen by the student is usually required. Dr. Repine will meet with students interested in a career in academic medicine and/or research.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring.

**MEDS 6625 - Integrative Medicine - Our Patients, Ourselves (2 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.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**MEDS 6626 - Molecular Biology Cancer (1 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.

Grading Basis: Medical School HP

Typically Offered: Fall.

**MEDS 6629 - The Healer's Art (1 Credit)**

The Healer's Art is an innovative Discovery Model Curriculum providing clarification and understanding of our professional lives. We offer a safe learning environment for personal, in-depth exploration of the time honored values of service, healing relationship, compassionate care, and professional development.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**MEDS 6632 - Literature, Art, and Medicine (1 Credit)**

We will explore the doctor-patient relationship as represented in literature, film, and visual arts. The course is based on intensive reading, group discussion, and reflective and critical writing.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**MEDS 7005 - Palliative Care Third Year Selective (8 Credits)**

This is an introduction to hospice and palliative care. Students will explore the physical, social, psychological, and spiritual aspects of patient care for the terminally ill and learn how value-based goals of care are elicited from discussions and acute symptom control in the patient with serious illness.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**MEDS 8001 - Medicine AI (8 Credits)**

4 wks. Max:18. This course can meet Sub-I qualifications. 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. Subinternships are offered at DHMC, P/SL, UCH, VAMC, and St. Joseph's Hospital.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**MEDS 8002 - Hospital Medicine AI (8 Credits)**

Experience hospitalist medicine first hand 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. This Sub-I course meets the CU SOM requirement for graduation.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**MEDS 8004 - Cardiology (4-8 Credits)**

4 wks. Designed to offer a broad general exposure to adult cardiology, including history, physical examination, and an introduction and review of standard noninvasive testing. Rotations will be at UCH, DVAMC and DHMC with assignments based on timing of request and availability.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**MEDS 8005 - Cardiac Diagnostic Skills (4 Credits)**

2 wks. Max:6. 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.

Restrictions: Course may only be added during adrop/add time.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

**MEDS 8006 - Allergy/Clin Immunology (4-8 Credits)**

4 wks. Max:1. Offered at UH and NJMC. 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. Prereq: Course Director approval required to add course.

Grading Basis: Medical School HP

**MEDS 8007 - Clinical Renal (4-8 Credits)**

4 wks. Max:4. 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, and review problems with residents and fellows.

Grading Basis: Medical School HP

**MEDS 8009 - Clin Infectious Diseases (4-8 Credits)**

2-4 wks. Max:4. UCH and DHMC. Hospital assigned. Hospitalized patients with a variety of infectious diseases are available for study. Diagnosis, pathophysiology, immunology, epidemiology, and management, including use of anti-microbial agents are emphasized. Students attend and participate in ward rounds and conferences. Prereq: Completion of core requirements for 3rd year students. Restrictions: Accept 4th year students only. Note: a 2 week elective maybe available. Student must make arrangements with Student Affairs and be pre-approved by Program Director before being confirmed to take elective course.

Grading Basis: Medical School HP

Repeatable. Max Credits: 16.

**MEDS 8010 - Clin Gastroenterology (4-8 Credits)**

4-12 wks. Max:2. 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 24.

**MEDS 8011 - Pulmonary Medicine (8 Credits)**

4 wks. Max: 2. UCH, DHMC, and DVAMC. This elective offers broad experience in pulmonary and critical care medicine. Students participate in consultations, attend conferences and clinics. A wide variety of pulmonary and critical care cases are seen.

Grading Basis: Medical School HP

**MEDS 8012 - Clinical Rheumatology (8 Credits)**

4 wks. Max:1. 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. Prereq: Completion of all third year clerkships.

Grading Basis: Medical School HP

**MEDS 8013 - Endocrinology (4-8 Credits)**

2-4 wks. Max:2. Introduction to evaluation and management of endocrine disorders via outpatient clinics and inpatient consults at VAMC, DHMC, and 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

**MEDS 8014 - Hematology / Oncology (4-8 Credits)**

2-4 wks. Max:1. Students are exposed to a wide range of patients seen in consultation for hematologic and oncologic problems. Students may also elect to attend the numerous subspecialty outpatient clinics for patients with various malignancies. Prereq: MED, OBGYN, PED, PSCH 7000.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

**MEDS 8015 - Care for the Under-served (8 Credits)**

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.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**MEDS 8017 - Hospice/Palliative Care (4-8 Credits)**

2-4 wks. Max:1. This is an introduction to hospice and palliative care. You will become a member of the interdisciplinary team at the Hospice of Saint John, focusing on the physical, social, psychological, and spiritual aspects of patient care for the terminally ill. Requirement: Contact Dr. Youngwerth one week prior to starting via Email Jean.Youngwerth@ucdenver.edu.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

**MEDS 8023 - Medicine Consult (4-8 Credits)**

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.

Offered for 2 or 4 weeks. Prereq: 3rd year medicine

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**MEDS 8025 - Medical Oncology (8-12 Credits)**

4-6 wks. Max:2. 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

**MEDS 8029 - Applied Clin Pharmacology (8 Credits)**

4 wks. Min:20/Max:120. 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. Restriction: Course offered section 37 only.

Grading Basis: Medical School HP

**MEDS 8032 - Corrections Health Care (4 Credits)**

2 wks. Max:1. 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 (ie., HIV, TB). Prereq: One month notice needed to schedule this elective.

Grading Basis: Medical School HP

**MEDS 8034 - Critical Care St Joe's AI (8 Credits)**

4 wks. Max:2. This course can meet Sub-I qualifications. Student functions as an intern-equivalent and admits patients during overnight call every third day. Student will attend daily ICU interdisciplinary rounds and enhance skills in reporting, interpreting clinical information, communication, and patient management plans. Student will present an EMB-research clinical question.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**MEDS 8037 - Medical ICU - UCH (8 Credits)**

This rotation 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. Prereq: Sub I in Medicine or Surgery.

Grading Basis: Medical School HP

**MEDS 8038 - CAM Wellness Elective (4-8 Credits)**

2 or 4 wks. Min:2/Max:4. In-depth exploration of CAM therapies and personal wellness will be facilitated through didactic sessions, field trips, online learning, reflection, and self-directed project. Students will work collaboratively in groups and the time will be tailored to individual goals.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring.

**MEDS 8039 - AIDS and American Culture (4 Credits)**

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. 2 wks. Restriction: Offered Section 49 only.

Grading Basis: Medical School HP

Typically Offered: Spring.

**MEDS 8040 - Film and Mental Illness (4 Credits)**

There is a well-documented relationship between movies and psychiatry. How accurate are film depictions of psychiatric conditions? How has cinematic representations shaped our personal responses, cultural beliefs, social policies regarding the mentally ill and those who care for them? 2 wks. Restrictions: Offered Section 43 only.

Grading Basis: Medical School HP

Typically Offered: Spring.

**MEDS 8050 - Community Hospital Medicine-Colorado Springs (4-8 Credits)**

Students will work with Hosp Med 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 except May and December.

Instructor Consent Required

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**MEDS 8051 - Gastroenterology - Colorado Springs (4-8 Credits)**

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 gastroenterologic disease. The rotation is designed for students to experience the practice and life of a community-based Gastroenterologist. Instructor Consent Required.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**MEDS 8052 - Medical Critical Care - CSB (8 Credits)**

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.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**MEDS 8053 - Adult Cardiology - CSB (4-8 Credits)**

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.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**MEDS 8100 - MEDS Elective Away (4-8 Credits)**

This 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. Course offered 2 or 4 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**MEDS 8600 - Research in Medicine (4-24 Credits)**

2-12 wks. Course provides an opportunity for seniors to participate in research at the clinical or basic science level. The student must consult with Dr. Horwitz or Dr. Aagaard about the varieties of options available. Course is graded on a pass/fail basis only. Restrictions: Not available sections 49-50.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

**MEDS 8630 - MEDS Research Away (8-16 Credits)**

This Medicine research 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. Course offered 2, 4, 6, or 8 weeks. This course is graded on a pass/fail basis only.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**NEUR 8000 - Advanced Neurology (4-8 Credits)**

This elective offers students further 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. 2 or 4 wks. Max: 3. Two week rotation allowed only for special circumstances and with course director approval one month prior to beginning of course.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**NEUR 8100 - NEUR Elective Away (4-8 Credits)**

This Neurology 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. Course offered 2 or 4 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**NEUR 8600 - Research in Neurology (4-24 Credits)**

2-12 wks. For further course information, contact the Chairman, Donald Gilden, M.D., 303-724-4326. Prereq: Offered with Chairman's approval only. The student must receive approval from the Associate Dean for Student Affairs.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

**NSUR 8014 - Advanced Neurosurgery (4-12 Credits)**

2-6 wks. Max:8. This course can meet Sub-I qualifications. 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

**NSUR 8100 - NSUR Elective Away (4-8 Credits)**

This Neurosurgery 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. Offered for 2 or 4 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**NSUR 8600 - Research in Neurosurgery (4-24 Credits)**

2-12 wks. A written evaluation must be sent to Dr. Michael Handler and Lauren Buckles. Prereq: Departmental approval must be obtained and all arrangements made at least one month in advance.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

**NSUR 8630 - NSUR Research Away (4-24 Credits)**

This Neurosurgery research 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. Course offered 2, 4, 6 or 8 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

Typically Offered: Fall, Spring, Summer.



**OBGY 6001 - Career Elective in Obstetrics and Gynecology (1 Credit)**  
Students will attend 2-3 OBGYN outpatient clinics held at Denver Health on Thursdays afternoons and one half or full day in the Denver Health Operating Room. 12.5 hours of observation time split between OR, and clinic over a semester. One meeting with the course director to discuss the student interest and experience. Phase I and II students can enroll in course

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 3.

Typically Offered: Fall, Spring, Summer.

**OBGY 8000 - General Obstetrics AI (8 Credits)**

4 weeks. Max:1. This Sub-I course meets the UC SOM requirement for graduation. 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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**OBGY 8001 - General Gynecology AI (8 Credits)**

4 wks. Max:1. This Sub-I course meets the UC SOM requirement for graduation. Offered at DHMC only. Includes experience in inpatient/outpatient gynecology, family planning, operative gynecology and postoperative care. Student works under supervision of residents and attending staff.

Grading Basis: Medical School HP

**OBGY 8004 - High Risk Maternal/Fet AI (8 Credits)**

4 wks. Max:1. Intensive exposure to problems of high-risk obstetrics. Student will work under supervision of the Maternal-Fetal Medicine Staff. Student will attend high-risk clinics, have primary responsibility for patient care in antepartum unit under supervision of chief resident.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**OBGY 8005 - Gynecologic Oncology Acting Internship (8-12 Credits)**

4 or 6 wks. Max:1. Student will attend GYN oncology clinics and scrub on all GYN oncology surgery, functioning as acting intern. All pathology will be reviewed with GYN oncologist. Literature review on selected subject required. Clinical research opportunities available.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

Typically Offered: Fall, Spring, Summer.

**OBGY 8009 - GYN Subspecialties (8-12 Credits)**

4 or 6 wks. Max:1. Student attends outpatient gynecologic diagnostic clinics, colposcopy and laser surgery, urogynecology, urodynamics, hysteroscopy, and pelvic pain. Student works under supervision of Gyn staff. Directed study and clinical research. Attendance at colposcopy biopsy review conference, preoperative and Gyn teaching conferences required.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

**OBGY 8010 - Reproductive/Infertility (4-8 Credits)**

Max:1. Student will attend clinics, scrub on surgical procedures, in vitro fertilization procedures, and embryo transfers. The student will participate in ultrasounds, procedures and clinical consultations. The student will present a brief lecture to the division at the conclusion of the rotation.

Grading Basis: Medical School HP

**OBGY 8011 - Family Planning (8 Credits)**

4 wks. Max:1. This elective is designed to make the student proficient in providing family planning services: contraception, options counseling and termination procedures. Substantial emphasis will also be placed on participation in ongoing research activities of the division. Prereq: Passing grade in third year Women and Newborns clerkship (IDPT 7030). Grading Basis: Medical School HP

**OBGY 8012 - UH Gynecology AI (8 Credits)**

4 wks. Max:1. This course can meet Sub-I qualifications. This course is designed to allow students to become integrally involved with the general gynecology service. Student will partake in all clinical activities of the service, including operative procedures, management of inpatient gynecology conditions, and emergency room consultation. Prereq: Passing grade in third year Women and Newborns Rotation (IDPT 7030).

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**OBGY 8015 - Group Prenatal Care: Pregnancy & Parenting Partners (4 Credits)**

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 in an underserved population.

Grading Basis: Pass Fail with IP

Typically Offered: Fall.

**OBGY 8100 - OBGY Elective Away (4-8 Credits)**

This Obstetrics/Gynecology 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. Offered 2 or 4 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**OBGY 8600 - Research in OBGYN (4-24 Credits)**

2-12 wks. Prereq: Departmental approval must be obtained and all arrangements must be made one semester in advance. The student must receive prior approval from the Associate Dean for Student Affairs.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

**OBGY 8630 - OBGY Research Away (8-16 Credits)**

This Obstetrics/Gynecology research 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. Offered 2, 4, 6 or 8 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**OPHT 5610 - Biology of the Eye (2 Credits)**

This one credit course introduces students to contemporary topics in vision science and ophthalmology by integrating cutting-edge basic science with translational research and clinical advances. The overall objective is to familiarize students with the core concepts and challenges in clinical ophthalmology and vision research.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**OPHT 8000 - Advanced Ophthalmology (4-8 Credits)**

4 wks. Max:1. This elective is designed for senior 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, and conferences.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**OPHT 8002 - Pediatric Ophthalmology (4-8 Credits)**

This elective is designed for senior students seriously considering a career in Ophthalmology. Students rotate at Children's Hospital Colorado with in-depth exposure to the diagnosis and clinical/surgical management of pediatric eye disease. Students are expected to participate with in- and out-patient care, call activities, teaching rounds and conferences. Prerequisite: OPHT 8000

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**OPHT 8100 - OPHT Elective Away (4-8 Credits)**

This Ophthalmology 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. Offered 2 or 4 weeks. Departmental approval required to register.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**OPHT 8600 - Research Ophthalmology (4-24 Credits)**

2-12 wks. A final written evaluation must be mailed to Course Director who will assign the final grade. Prereq: Arrangements must be made one month in advance. Departmental approval required to register.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

**OPHT 8630 - OPHT Research Away (4-16 Credits)**

This Ophthalmology research 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. Offered 2, 4, 6 or 8 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**ORTH 5005 - Introduction to Orthopedics (1-2 Credits)**

This course consists of 14 weekly one-hour classroom sessions including interactive lectures covering the orthopedic subspecialties, small group discussion and case presentations. An elective reading list is provided.

There are also four one-half day shadowing opportunities in the operating room and clinics. Student evaluation is pass/fail by attendance.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**ORTH 6620 - Intro to Orthopedics (1 Credit)**

The course consists of 10 weekly one-hour classroom sessions, elective reading materials, and four one-half day shadowing opportunities in the operating room and clinics. Student evaluation is pass/fail by attendance.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**ORTH 7005 - Orthopedics (8 Credits)**

Orthopedics offers a four-week experience within orthopedics, radiology, physical medicine and physical therapy. The block provides students with the opportunity to develop diagnostic, physical exam and treatment planning skills as related to MSK conditions. This course also provides operative experience for MSK conditions. MSK symptoms are among the most common reasons for visits to physicians' offices. Annually 15-30% of the population seek care for MSK conditions. The presentation of such ailments can be expected to increase with an aging population. Correspondingly, MSK knowledge and competency are integral for successful practices in internal medicine, family practice, emergency medicine, geriatrics and pediatrics. Proficiency with MSK core competencies will enhance the professional growth of all students regardless of expected specialization. Students can expect to achieve a functional aptitude with the four course objectives outlined in the Course Objectives section.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**ORTH 8000 - Orthopaedic Surgery AI (8-12 Credits)**

4 wks. This course can meet Sub-I qualifications. 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. Restrictions: Offered summer and fall semesters.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

Typically Offered: Fall, Spring, Summer.

**ORTH 8001 - Orthopaedic Primary Care (4-8 Credits)**

2-4 wks. Max:4. This course is designed as an elective in musculo-skeletal medicine in route to a career in primary care or other overlapping field. The focus is on outpatient musculoskeletal medicine. Restrictions: Offered spring semester.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Spring.

**ORTH 8002 - Ortho Advanced Career Elective (8 Credits)**

This advanced career elective is designed to offer extensive orthopedic medical knowledge and clinical experience to students who have completed ORTH 8000 and are seeking additional orthopedic training that would normally be obtained through elective away rotations. Must have completed ORTH 8000 AI.

Grading Basis: Medical School HP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Summer.

**ORTH 8005 - Sports Medicine (4-8 Credits)**

Max:1. Course provides clinical experience in musculo-skeletal sports medicine. Students will primarily be based in the CU Sports Medicine Clinic. Opportunities include participation in the clinic, operating room and the training room.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

**ORTH 8006 - Alpine Orthopedics (8 Credits)**

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 & Telluride. Prerequisite: Must have completed ORTH 8000 and be applying to orthopedic residency

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

Typically Offered: Fall, Spring, Summer.

**ORTH 8007 - Orthopedic Sub-I Prep (4-8 Credits)**

Introduction to Orthopedic Surgery is designed to prepare fourth year medical students for sub-internship rotations in Orthopedic Surgery. Course includes lectures in anatomy, common injuries, treatment plans, and surgical intervention for eight sub-specialties of Orthopedics including: Trauma, Spine, Hand, Pediatrics, Sports, Adult Recon. Requisite: Students who plan to complete a sub-internship in Orthopedics and who are planning to pursue an orthopedic residency.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Spring.

**ORTH 8050 - Sports Medicine Colorado Springs (4-8 Credits)**

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. Instructor consent required.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**ORTH 8100 - ORTH Elective Away (8 Credits)**

This Orthopedic 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. Offered 4 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**ORTH 8600 - Research in Orthopedics (4-8 Credits)**

4-12 wks. Provides an opportunity to participate in research at the clinical or basic science level. The student should contact the Departmental Office 3-4 months in advance to arrange a meeting with a member of the Orthopaedics faculty to define a project. Prereq: Approval from Course Director and Associate Dean for Student Affairs required to register.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

**ORTH 8630 - ORTH Research Away (4-16 Credits)**

This Orthopedic research 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. Offered 2, 4, 6 or 8 weeks.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**OTOL 6660 - Otolaryngology Career Elective (1 Credit)**

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.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**OTOL 8000 - Advanced Otolaryngology (8-16 Credits)**

4 or 6 wks. Max:3. Recommended for students 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**OTOL 8050 - Otolaryngology (ENT) (4 Credits)**

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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**OTOL 8100 - OTOL Elective Away (4-8 Credits)**

This Otolaryngology 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. Offered 2 or 4 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**OTOL 8600 - Research Otolaryngology (4-24 Credits)**

4-12 wks. Objectives: 1) work in supervised environment to gain appreciation for research design, criticism and statistical analysis: 2) complete research project with potential to publish in peer-reviewed journal. Prereq: Prior approval from Associate Dean and course director required to register.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

**OTOL 8630 - OTOL Research Away (4-16 Credits)**

This Otolaryngology research 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. Offered 2, 4, 6 or 8 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**PATH 7005 - Pathology Selective for Third-Year Medical Students (8 Credits)**

Student rotates through Anatomic Pathology (AP) and Clinical Pathology (CP) services (surgical, cytology, autopsy, pediatric, transfusion medicine and hematopathology). Subspecialty rotations can be arranged in AP (GYN, GU, GI, pulmonary, molecular, hematopathology, neuropathology) or Clinical Pathology (CP) (clinical chemistry, microbiology, coagulation) per student's interest.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**PATH 8000 - Pathology for Non-Pathologists (4-8 Credits)**

2-4 weeks. Max:2. The Department assigns hospital by interests of the student. Anatomic pathology includes autopsy, surgical pathology, hematopathology and cytology. Clinical pathology includes clinical chemistry, microbiology, coagulation/blood banking and molecular diagnosis. Intended for those interested in clinical medicine, especially a pathology career.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**PATH 8050 - Pathology - Colorado Springs (4-8 Credits)**

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. Instructor consent required.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**PATH 8100 - PATH Elective Away (8 Credits)**

This Pathology 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. Offered 4 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**PATH 8600 - Research in Pathology (4-24 Credits)**

2-12 wks. Prereq: Department approval must be obtained and all arrangements made at least one month in advance. The student must also receive approval from the Associate Dean for Student Affairs.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

Typically Offered: Fall, Spring, Summer.

**PATH 8630 - PATH Research Away (4-16 Credits)**

This Pathology research 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. Offered 2, 4, 6 or 8 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**PATH 8990 - Doctoral (1-10 Credits)**

Grading Basis: Letter Grade

Repeatable. Max Credits: 10.

**PEDS 5005 - Exploring Epigenetics: Understanding Genes by Early Environmental Interactions (1-2 Credits)**

Exploring Epigenetics is a course aimed at educating the students on the factors that impact gene expression without a change to DNA sequence. There will be a few didactic sessions exploring basic epigenetic principles, model and mechanisms for research applications, and finally applications of epigenetics to pathology including neurodevelopmental disorders and impact of adverse exposures such as childhood trauma. Students will also rotate through clinical and laboratory experiences including the childhood trauma clinic (The Kempe Center for the Prevention and Treatment of Child Abuse and Neglect), genetics and oncology, and labs investigating epigenetic mechanisms. The students will be asked to produce three one paragraph reflection pieces throughout their course and lead a journal club on an article that pertains to course content.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**PEDS 6622 - Diabetes Mellitus (3 Credits)**

Max: 3. The student will spend 1 week at diabetes camp. One will learn about diabetes as well as children. Before and after camp, time will be spent at the Barbara Davis Center clinic. Clinical research projects can be developed if interested.

Grading Basis: Medical School HP

Typically Offered: Summer.

**PEDS 6623 - Warren Village Clinic (1 Credit)**

Offered summer, fall, spring semesters. Max:20/Min:8. 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**PEDS 8000 - Pediatric AI (8 Credits)**

4 wks. Max:3. This course can meet Sub-I qualifications. Designed for those students who are interested in further training in pediatrics. Students will be integrated as a functional member of a pediatric ward team. Restrictions: A 2-month advance notice is required to drop this course.

Grading Basis: Medical School HP

**PEDS 8004 - Pediatric Cardiology (8 Credits)**

4 wks. Max:1. Evaluation of children with heart disease by history, physical examination, electrocardiography, roentgenography, echocardiography, and cardiac catheterization will be stressed. The student will make rounds with the cardiology team, see consults, attend outpatient clinics, and participate in cardiac catheterizations and conferences.

Grading Basis: Medical School HP

**PEDS 8005 - Allergy and Immunology CHCO (4-8 Credits)**

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, immuno-therapy, and pulmonary function testing. Offer 2, 4 wk

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Spring, Summer.



**PEDS 8006 - National Jewish Immunology and Allergy (4-24 Credits)**

Max: 2. The student is assigned to a pediatric allergy attending; share in the care of NJC outpatients, attend lectures, rounds, and conferences. Patient responsibility delegated by attending and commensurate with the student's interest/ability. Opportunities provided to observe laboratory procedures in immunology/pulmonary physiology laboratories. Weeks offered 2, 4, 8, 12.

Grading Basis: Medical School HP

**PEDS 8007 - Child Abuse and Neglect (4-8 Credits)**

2 wks. Max:1. Held at TCH and Kempe Center. Basic principles of Child Abuse and Neglect; participate in team evaluation of outpatient and inpatient child abuse cases, and attend court with team members. Primarily observational and includes independent study. One case write-up required. Restrictions: Not available sections 21-24.

Grading Basis: Medical School HP

**PEDS 8008 - Birth Defects/ Genetics (4-8 Credits)**

4,6,8, or 12 wks. Max:1. Rotation includes experience in the General Genetics, Inherited Metabolic Diseases, Muscle, Neurocutaneous and outreach clinics. Students will participate in diagnosis, pedigree assessment and management. Students will participate in consultations with faculty, attend conferences, visit laboratories; an oral presentation is required.

Grading Basis: Medical School HP

Repeatable. Max Credits: 24.

**PEDS 8009 - Peds Infectious Disease (8 Credits)**

4 wks. Max:1. This course provides experience in the pathophysiology, diagnosis, and therapy of childhood infections. Students evaluate inpatients and present cases at daily teaching rounds. Experience in the diagnostic Microbiology laboratory is provided. There is a weekly HIV/ infectious disease clinic.

Grading Basis: Medical School HP

**PEDS 8010 - EPAC Individualized Elective (4-24 Credits)**

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.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

Typically Offered: Fall, Spring, Summer.

**PEDS 8011 - Pediatric Pulmonary (8 Credits)**

Max:1. 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 seminar/case discussion on a pediatric pulmonary topic. Weeks offered 4

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

**PEDS 8012 - Pediatric Neurology (8-24 Credits)**

4,6, or 12 wks. Max:1. 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 24.

**PEDS 8013 - Pediatric Endocrinology (8 Credits)**

Max:1. A large variety of patients with abnormalities of growth and pubertal development, thyroid disorders, and diabetes mellitus are reviewed and treated each week. Seminars on selected topics are scheduled three times per week. Weeks offered 4.

Grading Basis: Medical School HP

**PEDS 8014 - Pediatric Rheumatology Clinical Elective (4-8 Credits)**

Course description to be added later in OASIS

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**PEDS 8015 - Pediatric Neonatology AI (8 Credits)**

4 wks. Max:3. This course can meet Sub-I qualifications. Student assigned to UCH, DHMC, or TCH and will participate actively 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.

Grading Basis: Medical School HP

**PEDS 8018 - General Academic Peds (4-8 Credits)**

Max:1. This course offers exciting experience in ambulatory pediatrics at The Children's Hospital. There are 9 educational conferences per week.

No night call. offer 2 wks

Grading Basis: Medical School HP

**PEDS 8020 - Adolescent Medicine (8 Credits)**

4 wks. Max:1. 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. Students will prepare and present a seminar/case discussion on this topic.

Grading Basis: Medical School HP

**PEDS 8021 - Pediatric Disability Medicine (8 Credits)**

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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**PEDS 8022 - Peds Gastroenterology (8 Credits)**

Max:1. Clinical rotation on pediatric gastroenterology inpatient and outpatient services and procedure unit and scheduled conferences. This rotation is designed for students with a specific interest in pediatrics and/or gastroenterology.

Grading Basis: Medical School HP

**PEDS 8023 - Healthy Beginnings Clinic: 4th Year Manager (4 Credits)**

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.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring.

**PEDS 8024 - Child Development/Behavior (4-8 Credits)**

2 or 4 wks. Max:1. Medical 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

**PEDS 8025 - Peds Emergency Medicine (4-8 Credits)**

Max:1. Students gain experience in assessment/management of common conditions in a pediatric 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.

Grading Basis: Medical School HP

**PEDS 8026 - Pediatric Nephrology (4-8 Credits)**

4 wks. Max:1. Students will actively participate in the care and evaluation of patients under the direction of the attending and participating resident. Common problems such as hematuria, proteinuria, electrolyte disturbances, chronic renal insufficiency, hypertension, hemodialysis, peritoneal dialysis, and renal transplantation are addressed.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**PEDS 8027 - Pediatric ICU AI (8 Credits)**

4 wks. Max:1. This course can meet Sub-I qualifications. The sub-intern is responsible for evaluation and continuing care of patients under the supervision of a Fellow and Attending. The student will learn basic pathophysiology of critical illness and enhance skills in reporting and interpreting clinical data, and patient management. Prereq: IDPT 7020 Infant/Adolescent Care.

Grading Basis: Medical School HP

**PEDS 8029 - Breastfeeding Management (4 Credits)**

2 wks. Max:2. 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 is emphasized. Contact Dr. Bunik two weeks before start or Laura.Primak@uchsc.edu.

Grading Basis: Medical School HP

**PEDS 8030 - Vaccination in Pediatrics (4-8 Credits)**

4 wks. Max:2. 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. Prereq: MS III Pediatric Rotation.

Grading Basis: Medical School HP

**PEDS 8031 - Pediatric Hematology/Oncology (8 Credits)**

Students will participate in the clinical activities of the Pediatric Hematology-Oncology Service, both inpatient and outpatient. They will be involved in patient care, perform procedures including lumbar punctures and bone marrow aspirated/biopsies, and attend relevant conferences. Prereq: Successful completion of all third year clerkships. No restrictions at this time. Course will also be offered to externs.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**PEDS 8050 - Pediatric Gastroenterology Colorado Springs (8 Credits)**

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. Instructor consent required.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**PEDS 8051 - Pediatric Cardiology CSB (4-8 Credits)**

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. Instructor consent required.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**PEDS 8052 - Pediatric Hematology Oncology – Colorado Springs (4-8 Credits)**

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. Pre-requisite: Successful completion of all third year clerkships

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**PEDS 8053 - Pediatric Neurology – Colorado Springs (4-8 Credits)**

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. Pre-requisite: Successful completion of all third year clerkships

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**PEDS 8054 - Pediatric ENT– Colorado Springs (4-8 Credits)**

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. Pre-Requisite: Successful completion of all third year clerkships

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**PEDS 8100 - PEDS Elective Away (4-8 Credits)**

This Pediatric 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. Offered 2 or 4 weeks

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**PEDS 8600 - Research in Pediatrics (4-24 Credits)**

2-12 wks. Prereq: Student must receive departmental approval one semester in advance of rotation. Approval from the Associate Dean for Student Affairs required. Restrictions: Sections 49-50 not available.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 32.

**PEDS 8630 - PEDS Research Away (4-16 Credits)**

This Pediatric research 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. Offered 2, 4, 6 or 8 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**PHMD 8000 - Physical Med & Rehab (4-8 Credits)**

Max:4. 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**PHMD 8100 - PHMD Elective Away (4-8 Credits)**

This Physical Medicine and Rehabilitation 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. Offered 2 or 4 weeks. Prereq: 800

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**PHMD 8600 - Research Physical Med (4-24 Credits)**

2-12 wks. Written evaluation must be sent by individual instructor, with course director responsible for final grade. Prereq: PHMD 8000. Obtain departmental approval and all arrangements made at least one month in advance and prior approval from Associate Dean for Student Affairs.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

**PRMD 6642 - Legislative Health Care Policy (2 Credits)**

Grading Basis: Letter Grade

**PRMD 8003 - Specialty Preventive Med (8 Credits)**

4 wks. Max:4. 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 course director to design this elective.

Prereq: Course director approval required to add course.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

**PRMD 8006 - Directed Study Ethics/Humanities (4-24 Credits)**

2-12 wks. 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. Prereq: Course director approval required to add course.

Grading Basis: Medical School HP

Repeatable. Max Credits: 24.

**PRMD 8100 - PRMD Elective Away (8 Credits)**

This Preventive 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. Offered 4 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**PRMD 8600 - Research Preventive Med (4-24 Credits)**

2, 4, 8 or 12 wks. 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. Prereq: Course Director and Associate Dean for Student Affairs approval required to add course.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

**PRMD 8630 - PRMD Research Away (4-16 Credits)**

This Preventive 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. Offered 2, 4, 6 or 8 weeks.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**PRMD 9000 - Intercampus Spec Topics (1-10 Credits)**

Grading Basis: Letter Grade

Repeatable. Max Credits: 10.

**PSYM 6620 - Psychiatric Aspects of Great Literature (2 Credits)**

Min:4 Max:15. Writers, the first thinkers to understand the "wholeman," took into account his unconscious. We'll illustrate this as reflected in normal development and personality formation, symbolization, fantasy and psychopathology using the characters and texts from Great Literature. Tuesday evenings.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring.

**PSYM 6626 - Intro to Emergency Psych (1 Credit)**

Min:4 Max:20. 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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring.

**PSYM 6632 - Denver CARES Elective (1 Credit)**

Min:6 Max:20. In this course students will gain confidence in performing basic H&P skills while interacting with acutely ill patients in a detox facility. Requirements include volunteering a minimum of two shifts, as well as attending the orientation and debriefing sessions.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**PSYM 6633 - SUD in Medical Practice (1 Credit)**

Fall and Spring. 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. Core reading will supplement clinical experience.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring.

**PSYM 8000 - Advanced Inpatient Psychiatry (8-12 Credits)**

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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

Typically Offered: Fall, Spring, Summer.

**PSYM 8001 - Primary Care Substance Problem (4-8 Credits)**

2-4 wks. Max:2. 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. Prereq: Course Director approval required to add course.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

**PSYM 8003 - Elective in Psychiatry (4-8 Credits)**

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 psychiatric units as a member of a treatment team.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**PSYM 8004 - Advanced Child and Adolescent Inpatient Psychiatry (8-12 Credits)**

4 or 6 wks. This Sub-I course DOES NOT meet the UC SOM requirement for graduation. 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. Restrictions: Contact coordinator to confirm availability.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**PSYM 8006 - Clinical PSYM Consultation/Liaison (8-12 Credits)**

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. Prerequisites: Contact coordinator to confirm availability.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**PSYM 8007 - Clinical PSYM Emergency Services (8-12 Credits)**

Learn elements of crisis intervention, and to make psychiatric diagnoses and evaluate lethality. Students will evaluate and help treat a broad range of psychiatric difficulties, and encounter the psychiatric and psychosocial problems they will see in their practices. Prerequisites: Contact coordinator to confirm availability.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**PSYM 8008 - Forensic and Correctional Psych (8 Credits)**

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 and not guilty by reason of insanity as well as the treatment and restoration process. Prerequisites: Contact coordinator to confirm availability.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**PSYM 8009 - Clinical PSYM Addiction (8-12 Credits)**

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. Prerequisites: Contact coordinator to confirm availability.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**PSYM 8010 - Clinical PSYM Eating Disorders (8-12 Credits)**

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. Prerequisites: Contact coordinator to confirm availability.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**PSYM 8015 - Perinatal and Infant Mental Health (8 Credits)**

Students will learn about maternal mental health during pregnancy and the first year postpartum, and gain understanding of infant mental health and the mother-baby relationship. Students will work in the following settings: outpatient mom-baby group therapy, psychiatric outpatient clinic, NICU, integrated mental health in OB/GYN and Young Mother's Clinic (pediatric primary care).

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**PSYM 8100 - PSYM Elective Away (4-8 Credits)**

This Psychiatry 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. Offered 2 or 4 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**PSYM 8600 - Research in Psychiatry (4-24 Credits)**

2-12 wks. Research electives in various areas of Psychiatry. Contact Randy Ross, MD or Sharon Hunter, PhD for menu of research options.

Prereq: The student must receive prior approval from the Associate Dean for Student Affairs and the course director to add course.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

**RADI 5005 - Clinical Ultrasound (1-2 Credits)**

Ultrasound is being used by clinicians in many different settings for many different applications. This elective will introduce students to many of the primary applications for clinician-performed ultrasound. All of the meetings times will be devoted to hands-on ultrasound scanning. The scanning sessions will be in a small group setting with no more than six students per ultrasound machine. Students will be provided with pre-scanning session didactic materials to review.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**RADI 7001 - Pediatric Radiology Selective - Children's Hospital (8 Credits)**

Students will gain an understanding of the basics of pediatric imaging and correlation with anatomy and pathology. Students will learn the indication for and basic approach to interpretation of all imaging modalities including: x-ray, ultrasound, fluoroscopy, CT, MRI, nuclear medicine.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**RADI 8000 - Diagnostic Radiology (8 Credits)**

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.

Restrictions: Course not available sections 29 & 33. 4 wks. Max: 4.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**RADI 8001 - Radiology for Non-Radiologists (4 Credits)**

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.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.



**RADI 8002 - Nuclear Medicine (4-8 Credits)**

Max:2. 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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**RADI 8003 - Pediatric Radiology (4-8 Credits)**

Students will gain an understanding of the basics of pediatric imaging and correlation with anatomy and pathology. Students will learn basic approach to performance and interpretation of all imaging modalities including: x-ray, ultrasound, fluoroscopy, CT, MRI, nuclear medicine.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**RADI 8007 - Interventional Radiology (4-8 Credits)**

2-4 wks. Max: 3. Interventional Radiology is the treatment of disease conditions using minimally invasive means. These procedures are performed with X-rays, US, and CT guidance. The student will round with the team, participate in procedures, and attend daily conferences. Standard student evaluation used.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**RADI 8008 - Virtual Interventional Radiology (4 Credits)**

Virtual introduction to Interventional Radiology, the field of diagnosis and treatment of disease conditions using minimally invasive image (fluoroscopy, US, CT) guided procedures.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**RADI 8009 - Virtual Diagnostic Radiology (8 Credits)**

This virtual course with some independent study, pre-work, and virtual sessions will allow students to appropriately order appropriate radiologic studies, perform accurate basic image interpretations, and help prepare you to how to develop a thoughtful approach to using imaging to evaluate common clinical scenarios for interns.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**RADI 8050 - Interventional Radiology - CSB (4 Credits)**

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. Instructor consent required.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**RADI 8100 - RADI Elective Away (4-8 Credits)**

This Radiology 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. For rotation approval, students must first provide name, address, and phone number of preceptor to the course director. Students maintain sole responsibility for obtaining written evaluation. Offered 2 or 4 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**RADI 8600 - Research in Radiology (4-24 Credits)**

Student must submit a research project description and the name of their preceptor to the course director prior to the start of the elective. Student is responsible for obtaining written evaluation 2 week rotation not Honors eligible.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

**RADI 8630 - RADI Research Away (4-24 Credits)**

This Radiology research 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. Offered 2, 4, 8 or 12 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

Typically Offered: Fall, Spring, Summer.

**RAON 8005 - Radiation Oncology (8 Credits)**

4 wks. Max: 2. The student will learn the basic tools and techniques of radiation oncology, evaluate patients before and after treatment, learn specialized exam techniques, participate in consultations and multi-modality cancer treatment planning. Students will attend and participate in multidisciplinary tumor conferences.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**RAON 8100 - RAON Elective Away (8 Credits)**

This Radiation Oncology 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. Offered 4 weeks. Prereq: RAON 8005. Departmental approval must be obtained one month in advance.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

**RAON 8600 - Research RAD Oncology (8 Credits)**

4 wks. This elective is designed to acquaint the student with current research developments, knowledge and techniques in radiation oncology. Prereq: RAON 8005. Departmental and Associate Dean of Student Affairs approval must be obtained and all arrangements made one semester in advance.

Grading Basis: Medical School HP

Repeatable. Max Credits: 24.

**RAON 8630 - RAON Research Away (8-12 Credits)**

This Radiation Oncology research 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. Offered 4 or 6 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 16.

Typically Offered: Fall, Spring, Summer.

**SURG 5005 - Introduction to Surgery (1-2 Credits)**

Intro to general surgery & a variety of surgical specialties with an emphasis on foundational skills & knowledge development.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

**SURG 5006 - Introduction to Surgery - Fort Collins Branch Campus (1-2 Credits)**

Introduction to general surgery and a variety of surgical specialties with an emphasis on foundational skills and knowledge development. Weekly lectures given by Department of Surgery faculty from Poudre Valley Hospital and Medical Center of the Rockies in specialties such as ENT surgery, trauma surgery, surgical oncology, plastic and reconstructive surgery, urology, and orthopedics. An additional skills session will be provided to introduce students to surgical instrumentation and basic surgical skills.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

**SURG 5094 - Department of Surgery Summer Research Program (2-12 Credits)**

Department of Surgery Mentored Summer Research Program. You will be paired with a faculty mentor for a specific scholarly research project, guided through the completion of the project, and culminate in a research symposium.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**SURG 5660 - Career Elective In UROL (1-2 Credits)**

Students will be exposed to the diverse spectrum of urologic practice through shadowing residents and attending's in clinic and observation in the OR. Students will spent 12.5 hours of observation in Urology with a faculty member split between the clinic and operating room. Students may be assigned to faculty at the University of Colorado Hospital or Denver Health. Students will be responsible for scheduling their observations times with the attending physician. Requirement: Must contact Course Director or Coordinator within the first two weeks of the course to arrange schedule after adding this elective.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 2.

Typically Offered: Summer.

**SURG 8000 - Gen Surg Univ AI (8-24 Credits)**

4-12 wks. Max:4. This course can meet Sub-I qualifications. Students perform intern responsibilities on General Surgical Service at University of Colorado Hospital. Students alternate night call, write orders on assigned patients and participate in preoperative, operative and postoperative care of inpatients.

Grading Basis: Medical School HP

Repeatable. Max Credits: 24.

**SURG 8001 - Gen Surg DHMC AI (8-12 Credits)**

4 or 6 wks. Max:3. This course can meet Sub-I qualifications. Join an Acute Care Surgery Team at a Level 1 Trauma Center. Course emphasizes pre-operative evaluation, operating room decisions and postoperative care outside the ICU. Student will attend clinics, rounds, conferences and surgical procedures.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

Typically Offered: Fall, Spring, Summer.

**SURG 8002 - Gen Surg St Joseph's AI (8 Credits)**

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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**SURG 8004 - Multidisciplinary Breast Care (4 Credits)**

Participating students will rotate with specialists in breast imaging, breast surgery, medical and radiation oncology, plastic surgery, and pathology to gain a 360-degree perspective on the evaluation and management of breast cancer. Students will attend the multidisciplinary breast cancer conferences to develop an understanding of how specialists work as a team to develop the optimal treatment plan.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

**SURG 8008 - Advanced Cardiothoracic Surg (8 Credits)**

4 wks. Max:2. This course can meet Sub-I qualifications. 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.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**SURG 8010 - Burn Critical Care/Surg (8-12 Credits)**

4 or 6 wks. Max:1. This course can meet Sub-I qualifications. Acting sun-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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

**SURG 8011 - Hand Surgery (8 Credits)**

Max:1. 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.

Grading Basis: Medical School HP

**SURG 8012 - Advanced Urology (8-16 Credits)**

4 wks. Max:4. This course can meet Sub-I qualifications. All students are required to rotate at hospitals, participate and perform physical exams, follow-up, clinic and surgeries. All Urology Conferences are mandatory. The Chief Resident, under supervision of the Attending, guides educational experiences.

Grading Basis: Medical School HP

Repeatable. Max Credits: 16.

**SURG 8015 - Pediatric Surgery (4-12 Credits)**

2,4, or 6 wks. Max:1. 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.

Grading Basis: Medical School HP

Repeatable. Max Credits: 12.

**SURG 8019 - Plastic Surgery (8 Credits)**

Max:1. 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. Prereq: IDPT 7050.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

**SURG 8021 - Surgical Critical Care AI (8-12 Credits)**

4 wks. Max:2. 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.  
Grading Basis: Medical School HP  
Repeatable. Max Credits: 12.

**SURG 8022 - Visiting Virtual Urology Rotation (4 Credits)**

Virtual introduction to Urology, the field of diseases of the male and female urinary tract and the male reproductive system.  
Grading Basis: Pass Fail with IP  
Typically Offered: Fall, Spring, Summer.

**SURG 8030 - Transplant Surgery (8 Credits)**

2-4 wks. Max:3. 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.  
Grading Basis: Medical School HP  
Repeatable. Max Credits: 8.  
Typically Offered: Fall, Spring, Summer.

**SURG 8032 - Vascular Surgery AI (8 Credits)**

Students perform intern level responsibilities on the Vascular Surgery Service at UCH and Outpatient Based Lab. Students participate in pre, operative, and post-operative care for patients by scrubbing in on aortic reconstructions, carotid endarterectomies, lower extremity bypass, amputations, dialysis access, and peripheral endovascular cases.  
Grading Basis: Pass Fail with IP  
Typically Offered: Fall, Spring, Summer.

**SURG 8050 - Trauma Surgery - CSB (4-8 Credits)**

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.  
Grading Basis: Medical School HP

**SURG 8051 - Plastic Surgery - CSB (4 Credits)**

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. Instructor consent required.  
Grading Basis: Pass Fail with IP  
Typically Offered: Fall, Spring, Summer.

**SURG 8052 - Surgical Critical Care - CSB (4-12 Credits)**

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. Instructor consent required.  
Grading Basis: Medical School HP  
Typically Offered: Fall, Spring, Summer.

**SURG 8100 - Surg Elective Away (4-8 Credits)**

This Surgery 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. Offered 4 weeks.  
Grading Basis: Pass Fail with IP  
Repeatable. Max Credits: 16.  
Typically Offered: Fall, Spring, Summer.

**SURG 8600 - Research in Surgery (4-24 Credits)**

2-12 wks. Contact department for further course information. Prereq: The student must receive prior approval from the Associate Dean for Student Affairs and course director to add course.  
Grading Basis: Pass Fail with IP  
Repeatable. Max Credits: 24.

**SURG 8630 - SURG Research Away (4-24 Credits)**

This Surgery research 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. Offered 2, 4, 8 or 12 weeks.  
Grading Basis: Pass Fail with IP  
Repeatable. Max Credits: 24.  
Typically Offered: Fall, Spring, Summer.