### PHASE I – REQUIRED CURRICULUM FALL SEMESTER 2013

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDPT 5000</td>
<td>Foundations Doctoring I</td>
<td>2.0 cr.</td>
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<tr>
<td>IDPT 5001</td>
<td>Human Body</td>
<td>7.0 cr.</td>
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<tr>
<td>IDPT 5002</td>
<td>Molecules to Medicine</td>
<td>8.0 cr.</td>
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<tr>
<td>IDPT 5015</td>
<td>Basic Card Life Support</td>
<td>0.5 cr.</td>
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<tr>
<td>IDPT 5090</td>
<td>Mentored Scholarship</td>
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**IDPT 5000 Foundations Doctoring I**
Course Director, Wendy Madigosky, MD Assistant Director, Kristin Furfari, Course Coordinator, Tina Roquemore, 303-724-6421.

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

**IDPT 5001 Human Body**
Course Co-Directors, Michael Carry, PhD, 303-724-2411 and Steven Britt, MD, 303-724-3441.

Human Body covers the anatomy and embryology of the back, extremities, trunk, head and neck. Students will dissect cadavers and study computer generated cross-sections, reconstructions and radiological images. Case discussions are integrated with clinically related anatomy and physical exam content.

**IDPT 5002 Molecules to Medicine**
Course Director, Robert Low, MD, PhD, 303-724-4307 and Matthew Taylor, MD, PhD, 303-724-1400.

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

**IDPT 5015 Basic Card Life Support**
Course Director, Fred Severyn, MD, 720-848-6777. Course Coordinator, Cathy Maciel, 720-848-6777.

Course will be taught along American Heart Association (AHA) guidelines utilizing lecture, video, demonstrations on mannequins and a practice session. Students will read the required text prior to course, pass a written examination, and demonstrate performance skills essential to BCLS.

**IDPT 5090 Mentored Scholarship**
Course Director, Allan Prochazka, MD Course Coordinator, Katie Watts, 303-724-7731.

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.

### PHASE I – REQUIRED CURRICULUM SPRING SEMESTER 2014

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<tr>
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<tr>
<td>IDPT 5000</td>
<td>Foundations Doctoring I</td>
<td>2.0 cr./sem.</td>
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<tr>
<td>IDPT 5003</td>
<td>Blood and Lymph</td>
<td>4.0 cr.</td>
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<tr>
<td>IDPT 5004</td>
<td>Disease and Defense</td>
<td>5.0 cr.</td>
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<tr>
<td>IDPT 5005</td>
<td>Cardiovascular/Pul/Renal</td>
<td>9.5 cr.</td>
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<tr>
<td>IDPT 5090</td>
<td>Mentored Scholarship</td>
<td>1.0 cr.</td>
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<tr>
<td>PRMD 5000</td>
<td>Ethics Hlth Profession I</td>
<td>1.0 cr.</td>
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**IDPT 5000 Foundations Doctoring I**
Course is a continuation of the fall semester course.

**IDPT 5003 Blood and Lymph**
Course Co-Directors, Tim Garrington, MD, 720-777-8365 and Jill Slansky, PhD, 303-398-1887.

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.

**IDPT 5004 Disease and Defense**
Course Co-Directors, Ronald E. Gill, PhD, 303-724-4230 and Bruce McCollister, MD, 303-724-4216.

Course includes principles of pharmacology, microbiology, and pathology. Topics include the response to infectious, inflammatory, and neoplastic processes. These concepts are integrated during discussion of the “Skin” as an “organ system”, including discussions of skin structure, diseases, pathophysiology, and treatment.

**IDPT 5005 Cardiovascular/Pul/Renal**
Course Co-Directors, Rock Levinson, PhD, 303-724-1544 and Lawrence Horwitz, MD 303-724-2089.

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

**IDPT 5090 Mentored Scholarship**
Course Director, Allan Prochazka, MD. Course Coordinator, Katie Watts, 303-724-7731.

A continuation of course begun in fall semester.

**PRMD 5000 Ethics Hlth Profession I**
Course Co-Directors, Jackie Glover, PhD, 303-724-3992 and Tess Jones, PhD, 303-0724-3995.

Required two-part course in ethics taught with dental, medical, nursing, pharmacy, physical therapy and physician assistant students. This course includes basic knowledge and skills in ethical theory and reasoning, professional ethics, and interpersonal approaches to health care decision making.
PHASE II – REQUIRED CURRICULUM FALL SEMESTER 2013

IDPT 6000  Foundations Doctoring II  
Course Director, Wendy Madigosky, MD, Assistant Director, Kristin Furfari, Course Coordinator, Tina Roquemore, 303-724-6421.  
This course is the second year of the longitudinal Foundations of Doctoring curriculum. Each week, students spend one afternoon either learning communication/physical exam skills/professionalism on campus or practicing their clinical skills with a preceptor off campus.

IDPT 6001  Nervous System  
Course Co-Directors, Tom French, PhD, 303-724-3387 and Steven Ojemann, MD, 303-724-2285.  
Course covers the gross and microscopic anatomy of the nervous system, basic neurobiology and neurophysiology, pharmacology, neuropathology, and basic neurologic and psychiatric examination skills. Emphasis is on the relationship between basic processes and functional systems to clinical phenomena and behavior.

IDPT 6002  Digest/Endo/Metaboli Sys  
Course Directors, John Tentler, PhD, John.Tentler@ucdenver.edu., Virginia Sarapura, MD, 303-724-3931 and Daniel Bessesen, MD, 303-436-5910.  
This interdisciplinary course integrates clinical and basic science topics related to the normal function and diseases of the gastrointestinal and endocrine systems. The biochemistry and physiology of nutrient metabolism in health and disease will also be covered.

IDPT 6090  Mentored Scholarship  
Course Director, Allan Prochazka, MD. Course Coordinator, Katie Watts, 303-724-7731.  
A four year requirement for students to pursue and complete a mentored scholarly project and a capstone presentation. Project can be in one of the following thematic areas: basic research, clinical research, epidemiology and public health, humanities and social sciences.

IDPT 6003  Life Cycle  
Co-Course Directors, Andy Bradford, PhD, 303-724-3507 and Sonya Erickson, MD, 303-724-2038.  
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.

PHASE II – REQUIRED CURRICULUM FOR SPRING SEMESTER 2014

IDPT 6000  Foundations Doctoring II  
Course Director, Wendy Madigosky, MD Course Coordinator, Tina Roquemore, 303-724-6421.  
This course is the second year of the longitudinal Foundations of Doctoring curriculum. Each week, students spend one afternoon either learning communication/physical exam skills/professionalism on campus or practicing their clinical skills with a preceptor off campus.

IDPT 6003  Life Cycle  
Co-Course Directors, Andy Bradford, PhD, 303-724-3507 and Sonya Erickson, MD, 303-724-2038.  
Course provides an interdisciplinary approach to the normal biology and pathobiology of the male and female reproductive systems, reproduction and pregnancy, the fetus, newborn and child, aging, and end of life. Clinical cases and physical examination will be integrated throughout.

IDPT 6004  Infectious Disease  
Co-Course Directors, David Barton, PhD, 303-724-4215 and Edward Janoff, MD, 303-724-4936  
This course integrates microbiology, infectious diseases, and antimicrobial pharmacology. Content covers pathogenic microorganisms (bacteria, viruses, fungi, and parasites), host-pathogen interactions, microbial virulence determinants, host immune responses, signs and symptoms of disease presentation, epidemiology, laboratory diagnosis, prevention (vaccines) and therapy (antimicrobials).

IDPT 6090  Mentored Scholarship  
Course Director, Allan Prochazka, MD Course Coordinator, Katie Watts, 303-724-7731.  
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.
# Electives for Phase 1 and 2 Students 2013-2014

## Dermatology Elective

**DERM 6660  Career Elective in DERM**

*All terms*  
1.0 crs

**Course Director:** Cory Dunnick, MD  
**Course Coordinator:** Julie Clarke, 720-848-0510.

**Course Requirement:** Must contact Course Director or Coordinator to arrange schedule after adding this elective.  
This course provides an introduction to dermatology. Students will shadow a dermatologist for a total 4 half-day clinics (flexible excluding Monday/Friday afternoons) to get an idea of the scope of practice of dermatology which encompasses dermatologic surgery, adult and pediatric dermatology.

## Emergency Medicine Electives

**EMED 6624  Intro Wilderness Med**  
*Fall sem.*  
1.0 cr,  
Max: 45/Min: 10

**Course Director:** Barbara Blok, MD 720-848-6777.  
**Course Coordinator:** Cathy Maciel, 720-848-6767.

**Course Restrictions:** Must attend field day with Rocky Mountain Rescue in Boulder.  
This course consists of a lecture series and one four hour weekend outdoor exercise with an emphasis on basic science and pathophysiology of wilderness medicine problems. Students participate in skill stations and perform various field medicine and evacuation procedures.

**EMED 6626  Pre-Hospital Medicine**  
*Fall, Spring sems.*  
1.0 cr,  
Max: 20/Min: 10

**Course Director:** Christopher B. Colwell, MD.

**Course Restriction:** Enrollment restricted to EMIG (Emergency Medicine Interest Group) 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.  
Enrollment is limited to Emergency Medicine Interest Group (EMIG) members only.

**EMED 6627  Intro Emer Med & Trauma**  
*Spring sem.*  
1.0 cr,  
Max: 999/Min: 10

**Course Directors:** Jeffrey Druck, MD and Maria Moreira, MD.  
**Course Coordinators:** Cathy Maciel, 720-848-6767 and Linda Anderson, 303-436-7129.

Introduction to life-threatening conditions fundamental to emergency medicine. Focuses on the essentials of stabilization, rapid diagnosis, and acute management. Weekly lectures given by faculty from UCHSC and Denver Health. Pass-fail based on attendance with an optional write-up for honors.

**EMED 6628  Flight Medicine**  
*Fall, Spring sems.*  
1.0 cr,  
Max: 8

**Pre-requisite:** EMED 6626 Pre-Hospital Medicine.  
**Course Restriction:** Elective is not repeatable, may be taken only one time.  
Students will learn about the unique environment of critical care transport medicine and will experience a 12-hour shift with Flight for Life aboard their helicopters, airplanes, and ambulances while providing care across the region.

**EMED 6629  Emergency Med Skills**  
*Fall, Spring sems.*  
1.0 cr

**Course Director:** David Richards, MD, FACEP.  
**Restriction:** Phase I students only.  
**Instructor Approval - Students have been selected for this elective and is not available for web registration.**

This course provides 48 hours of clinical work with an EMED attending physician with the purpose of exposing the student to EMED environment and teaching procedural skills necessary for the basic clinical care in preparation for an international experience.
**FAMILY MEDICINE ELECTIVES**

**FMMD 6410  Foreign Lang Immersion**  
Summer sem.  4.0 cr.  
Course Director, David Gaspar, MD, 303-724-0971. Course coordinator Steven Cruse, 303-724-0975.  
**Prerequisite:** Approval of Course Director and Associate Dean of Student Affairs, completion of course away form. Attend accredited foreign language school in a foreign country where language is spoken. Participation is 20 hrs/week of language class AND either a medical language course 5 hrs/week OR volunteer family medicine or general practice clinical activity 2 half days/week.

**FMMD 6622  Intro FMMD Research**  
Summer sem.  Var. cr.  
Max: 12  
Course Director, David Gaspar, MD, 303-724-0974. Course Coordinator, Steven Cruse, 303-724-0975.  
Provides students the skills in designing a primary care research project. Covers constructing research question, measurement of variables, reviewing literature, research design, reporting results and medical writing. This will serve as a foundation for the 4th year required scholarly project.

**FMMD 6624  Hlthcare Poor/Homeless**  
Fall and Spring sem.  1.0 cr.  
Max: 48  
Course Director, Allegra Melillo, MD Course Coordinator, Steven Cruse, 303-724-0975.  
Course Restrictions: A two-semester course, students must complete fall and spring semesters. This course introduces students to healthcare of Denver's poor and homeless. Students will participate in patient care at the Stout Street Clinic on six Wednesday evenings throughout the school year. Participation in two additional volunteer outreach activities is also required.

**FMMD 6628  Rural Track Elective**  
Fall and Spring sems.  1.0 cr.  
Course Director, Mark Deutchman, MD Course Coordinator, Melanie Deherrera, 303-724-0340  
**Prerequisite:** Student must have been accepted in the Rural Track or have course director approval to add.  
**Course Restrictions:** A two-semester course, students must complete fall and spring semesters. The course goal is to increase the number of students who eventually enter, and remain, in practice in rural Colorado. The track provides students with mentorship, additional knowledge, broad skills and rural socialization experiences throughout the 4 years of school.

**FMMD 6629  SABES Spanish Immersion – Course number change - *SEE IDPT 6629 * **

**FMMD 6630  Summer Rural Track**  
Summer Sem  8.0 crs.  
Min: 1/Max: 26  
Course Director, Mark Deutchman, MD, 303-724-9753. Course Coordinator, Melanie Deherrera, 303-724-0340.  
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 course FMMD 6628.

**INTERDEPARTMENTAL ELECTIVES**

**IDPT 5091  MSA Summer Elective**  
Summer sem.  4.0 cr.  
Course Director, Allan Prochazka, MD. Course Coordinator, Katie Watts, 303-724-7731.  
**Prerequisite:** MSA 5090.  
Students work intensively with mentors and Associate Directors on their project. Students critically review background literature, define a question/hypothesis, develop and implement methods and study design, collect data, potentially analyze and interpret data, written progress reports to Associate Director.

**IDPT 5100  Special Foundations**  
Fall, Spring sem.  1.0 cr.  
Course Director, Maureen Garrity, PhD. Course Coordinator, Vicki Melton, 303-724-6404.  
Restrictions: Phase I students. This is a one credit course for students who are taking time away from the traditional curriculum. Students enrolled will continue to work with their Foundation preceptor.

**IDPT 6100  Indep Study in Medicine**  
Fall, Spring sem.  1.0 cr.  
Course Director, Maureen Garrity, PhD. Course Coordinator, Vicki Melton, 303-724-6404.  
Restrictions: Phase II students. One credit course designed for students who are taking a period of time off from the traditional curriculum to do research or other academic work. The student and course director will develop a written plan to complete the studies.
IDPT 6612  Critical Evidence Appraisal  Spring sem.  1.0 cr.  Min:6 Max:30
Course Director, Tim Byers, MD, MPH
Prerequisite: IDPT 5002 Molecules to Medicine.
Restriction: Class meets Mondays 12:00 Noon – 1:30 PM.
Taught by your peers with graduate degrees in epidemiology, this clinical epidemiology course engages students in critical evidence review of current issues in medicine while solidifying and expanding upon core concepts essential for taking epidemiology from the journals to the bedside and the community.

IDPT 6615  Quality Improvement  Spring sem.  1.0 cr.  Max:50
Course Director, Nichole G. Zehnder, MD. Course Coordinator, Heather Fordyce, 720-848-7203.
Restrictions: Phase I students only.
The course is designed to expose student to tenants of quality improvement. Each week, students spend one afternoon discussing a topic such as analyzing a healthcare problem, identification of “stakeholders” in the QI process, barriers to effective change.

IDPT 6616  Health Promotion I  Spring sem.  1.0 cr.  Min:5 Max:30
Course Director, Chad Morris, PhD. Course Coordinator, Cindy Morris, Psy.D. 303-724-6329.
Health Promotion I is designed to equip future clinicians with knowledge and skills to promote health and wellness in their personal lives and for patients. The lecture/discussion format will provide opportunities for exploration and development of wellness strategies.

IDPT 6617  LEADS Phase I Fall Elective  Fall sem.  1.0 cr.
Course Director, Jeremy Long, MD. Course Coordinator, Linda Salas, (303) 724-4639
Restriction; Phase I students.
Introduction to LEADS. Phase 1 students will be introduced to advocacy, health disparities, health determinants, and leadership concepts.

IDPT 6623  Refugee Health I  Spring sem.  1.0 cr.  Min:5 Max:25
Course Director, Paritosh Kaul, MD, 720-777-6116.
Students will learn about the integration process that refugees go through and common medical and mental health diagnoses they receive. Discussions, panels, and lectures will aid in preparing the student for providing culturally effective medical care to any populations.

IDPT 6627  Directed Study Basic Sci  All sems.  Var. cr.
Course Director, Maureen Garrity, PhD. Course Coordinator, Vicki Melton, 303-724-6404.
Prerequisite: Course Director approval required to add.
This course provides an opportunity for medical students to further develop and refine their knowledge of the basic sciences. Course director approval required.

IDPT 6628  Nutrition and Cancer  Spring sem.  1.0 cr.  Max:30/Min: 8
Course Director, TBD. Course Coordinator, TBD.
Human nutrition as it relates to clinical/biological aspects of cancer. Introduction to modern concepts of cancer development and treatment through seminars, patient presentations, lectures, discussion groups. Analyze your diet and what modifications seem likely to reduce the risks of cancer.

IDPT 6629  SABES Spanish Immersion  Fall and Spring sems.  1.0 cr
Course Director, Steven Lowenstein, MD, MPH. 720-848-6777.
Course requirements: A two-semester course, students must complete fall and spring semesters. A one-time fee of $30.00.
“SABES” Spanish Immersion takes a student/mentor approach to immersing students at all levels of Spanish acquisition to fortify Spanish Language ability. Course covers grammar and usage; emphasis is on constructing meaningful medical Spanish sentences, asking clinically relevant questions and understanding patients’ responses.

IDPT 6636  Summer Preceptor Exp  Summer sem.  1.0 cr.
Course Director, Kristin Furfari, MD Course Coordinator, Tina Roquemore, 303-724-6421.
Restrictions: Available summer semester only.
The Summer Preceptorship is a clinical elective designed for students between their first and second year of medical school. It may take place in the hospital or in a clinic one afternoon or morning a week during the summer semester.

IDPT 6637  LEADS 1  Spring sem.  2.0 cr.
Course Director, Jeremy Long, MD, 303-641-1951. Co-course Directors, Mark Earnest, MD, and Cathy Battaglia, PhD, M.S.H.A., R.N. Course Coordinator, Karen Mellis, 303-724-2259.
Restrictions: Phase 1 students only.
The course will include monthly seminars and be divided into four thematic sections. Seminar speakers are primarily engaged in leadership/advocacy work in health care. The themes will be further explored by case-based, small group sessions. Elective required for LEADS scholars.
IDPT 6639  Health Care-Public Policy  Fall and Spr sem.  1.0 cr.
Course Director, Gary VanderArk, MD, 303-724-2287. Course Coordinator, Krystin Hasenbalg, 303-724-2299.
Course meets Tuesday, 12:00 Noon to 1:00 PM.
Health care in public policy, work with course director and Colorado Medical Society to collaboratively research current issues in health policy. Students gain an expanded awareness of current issues in healthcare policy and an appreciation for relationship between medicine/politics.

IDPT 6642  Intro to Women’s Health  Fall sem.  1.0 cr.
Course Director, Sonya Erickson, MD Course Coordinator, Melissa Lorenzo, 303-724-2038.
Prerequisite: IDPT 6642. Restrictions: Must be phase I student
This is the second in a series of electives being offered for the Women’s Health at the school of medicine. Primary care issues and literature search strategies will be emphasized.

IDPT 6644  Women’s Health Seminars  Fall sem.  1.0 cr.
Course Director, Sonya Erickson, MD, Course Coordinator, Melissa Lorenzo, 303-724-2038.
Prerequisite: IDPT 6642 and IDPT 6643. Restrictions: Must be Phase II student. Course Director approval.
Students will discuss clinical issues in Women’s Health

IDPT 6647  LEADS 2  Fall sem.  1.0 cr.
Course Director, Jeremy Long, MD. Course Coordinator, Linda Salas, (303) 724-4639
Prerequisite: IDPT6637 LEADS 1 – Spring Semester Elective.
Restrictions: Phase 2 students only. Students who wish to enroll without having completed the Spring course in Phase 1 may petition course director if space allows.
Advocacy and leadership skills applied in case-study.

IDPT 6665  Intro to Global Health  Fall sem.  1.0 Min:10/Max:75
Course Director, Jennifer Bellows, MD, 303-436-6884, MD. Course Coordinator, Katie Watts, 303-724-7731.
Restrictions: None.
This course is required for ALL students interested in applying for Global Health Track and ALL students interested in doing an International Mentored Scholarly Activity. This course will give a broad overview of important issues in global health e.g., the HIV epidemic, maternal-child health, humanitarian assistance, clean water and sanitation, the Millennium Development Goals, the World Health Organization, ethics, and travel health and safety.

IDPT 6667  Global Hlth Studies (US)  Summer sem.  10.0 crs
Course Directors, Jennifer Bellows, MD, 303-436-6884 and Robert Sclafani, PhD., Course Coordinator, Katie Watts, 303-724-7731.
Course Restrictions: Course director approval required to add course.
Students and their faculty preceptors will develop a global health project focused on research, education, or community health service. After their project with a global health organization, students will provide a written report and an oral presentation of their project.

IDPT 6668  Global Hlth Study Abroad  Summer sem.  10.0 crs
Course Directors, Jennifer Bellows, MD, 303-436-6884 and Robert Sclafani, PhD., Course Coordinator, Katie Watts, 303-724-7731.
Course Restrictions: Course director approval required to add course.
Prior to travel, students and their faculty preceptors will develop a global health project focused on international research, education, or community health service. After their stay abroad, students will provide a written report and an oral presentation of their project.

IDPT 6669  Global Health Seminar  Spring sem.  1.0 cr.
Course Director, Jennifer Bellows, MD, 303-436-6884. Course Coordinator, Katie Watts, 303-724-7731.
Course Restrictions: Course director approval required to add course.
This is a required course for Global Health Track students. This course will help students design and implement their global health projects by addressing the basics of project design, survey development, data collection and analysis.
IDPT 6671 Urban Underserved Care  
Fall and Spring sem.  1.0 cr.  Min: 10/Max: 30
Course Director, Allegra Melillo, MD. Course Coordinator, Naomi Spector, Naomi.spector@ucdenver.edu.
Restrictions: Only for CU-UNITE/Urban Underserved Track students.
This course is for CU-UNITE Urban Track students only. It is an introduction to important issues in urban-underserved health care. Topics include: health disparities, mental health, substance abuse, and care of specific populations, such as homeless and refugee populations.

IDPT 6672 Urban Underserved Care 2  
Fall and Spring sem.  1.0 cr.  Min: 10/Max: 15
Course Directors, Allegra Melillo, MD and Deb Seymour PsyD. Course Coordinator, Naomi Spector, Naomi.spector@ucdenver.edu.
Restrictions: Only for CU-UNITE/Urban Underserved Track students.
This CU-UNITE required elective is an advanced course regarding issues in urban underserved health care. Topics: Procedural skills development, an interdisciplinary service learning project in the community, discussion of personal qualities needed for serving urban, underserved populations and provider wellness.

IDPT 6673 CU-UNITE Span Immersion  
Summer sem.  1.0 cr.  Min: 5/Max: 10
Course Director, Allegra Melillo, MD. Course Coordinator, Naomi Spector, Naomi.spector@ucdenver.edu.
Restrictions: Only CU-UNITE Track Students accepted.
CU-UNITE Spanish Immersion Track students only. This is a 4 week summer experience between Phase I and II in Costa Rica during which students will experience immersion in Spanish language and have clinical and community exposure.

| MEDICINE ELECTIVES |

Meds 6621 Geriatric Medicine  
Fall and Spring sem.  2.0 cr.  Max: 2
Course Director, Susan Bray-Hall, MD, 303-393-2822. Course Coordinator, Lynn Blair, 303-393-2822.
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. Students contact the Course Coordinator, Lynn Blair two weeks prior to starting the elective.
(Students are required to contact the course coordinator the day they register, Lynn Blair 303-393-2822)

Meds 6623 Intro Biomedical Research  
Fall, Spring sems.  Var. cr.
Course Director, John Repine, MD. 303-315-8262.
Course Requirement: Prior approval by Course Director required to add this elective. 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.

Meds 6626 Molecular Biology Cancer  
Fall sem.  1.0 cr.  Max: 15/Min: 4
Course Director, John Tentler, PhD, 303-724-3887. Course Coordinator, Everlyn Sandoval, 303-724-3872.
Provides an overview of molecular events that occur in the cell that relate to the origins of neoplasia. Provides students the ability to understand/interpret literature and an appreciation of how biology impinges on the practical treatment of cancer.

Meds 6627 Art in Med; Med in Art  
Spring sem.  1.0 cr.  Max: 12/Min: 4
Course Director, Henry Claman, MD, 303-724-7188. Course Coordinator, Jeanne Kittle, 303-724-7198.
Included are The Arts in Medicine lectures, weekly critical reading in the anthology, On Doctoring, other texts and pictures in Medical Humanities. Also “Museum Rounds” at the Denver Art Museum, and a required piece of reflective writing, poetry and prose.

Meds 6628 Integrative and Complementary Alternative Medicine  
Spring Sem.  1.0 cr.
Course Director, Sitra Kedia MD, 720-777-3958
Patients and providers seek complementary and integrative medicine to help prevent and treat disease. This course provides practical skills and tools that students can take with them to supplement their own health and the health of their patients including music, art, and meditation.

Meds 6629 The Healer’s Art  
Spring sem.  1.0 cr.
Co-Course Directors, Rachel Swigris, D.O., 720-848-9526 and Rita Lee, MD, 720-848-2340.
Course Restrictions: Phase I and II students.
The Healer’s Art is a 5 session elective that engages students in a discussion focusing on the meaning of physicianhood and the practice of medicine. The course facilitates students in clarifying, strengthening, and making a personal commitment to medicine.
MEDS 6630  Clinica Tepeyac  All terms  1.0 cr.
Course Director, Richard Miranda, MD, 303-839-6253. Richard.miranda@ucdenver.edu. Max: 16/Min: 8
Course requirements: Students will be required to attend at least 2 sessions per semester. Clinica Tepeyac is a community clinic located in North Denver serving the health care needs of a largely immigrant, monolingual Spanish-speaking population. Participating students will provide basic health-care services, and promote health awareness under the guidance of University faculty.

MEDS 6631 Med Student Journal Club  Spring sem.  1.0 cr.
Course Director, Jeffrey Druck, MD, MSPH, 303-724-2254. Max: 16/Min: 8
This course will provide the opportunity to practice and solidify critical appraisal skills needed for interpreting primary clinical research studies and teach the skills required to apply this information to patient care using seminal research articles in medicine.

MEDS 6632 Lit, Art, & Medicine  Fall sem.  1.0 cr.
Max: 20/Min: 4
Course Director, Therese Jones, PhD, 303-724-3995. Course Coordinator, MaryLou Wallace, 303-724-3994.
Medical students rarely have the opportunity to discuss medicine from the viewpoints provided by literature and the arts. Reading imaginative writing, examining visual images, and writing their own narratives help students interpret the experiences of their patients and colleagues.
Class will be held 12:00 Noon – 2:00 PM, Wednesday

MEDS 6633 Veteran Palliative Care  All terms  1.0 cr.
Max: 10
Course Director, Cari Levy, MD, 303-596-2906.
This elective is designed to provide students with an opportunity to cultivate active listening skills. Students will meet veterans with life-limiting illness who have been identified by the palliative care team as potentially benefitting from compassionate listening.

ORTH 6620 Intro to Orthopedics  Spring sem.  1.0 cr.
Max: 30/Min: 10
Course Director, Frank Scott, MD, 303-724-2968. Course Coordinator, Adama Evans, 303-724-7354.
Course Requirement: Must contact Course Director or Coordinator to arrange schedule after adding this elective.
This course covers an overview of orthopaedic surgery. Interactive lectures include musculoskeletal oncology, reconstructive surgery, trauma, sports medicine, spine surgery, hand surgery, and primary care orthopaedics. Students will also shadow an orthopedic surgeon during clinic and surgery on four afternoons.

OTOLARYNGOLOGY ELECTIVE

OTOL 6660 Career Elective in OTOL  All terms  1.0 crs.
Course Director, John Song, MD, 303-724-1954. Course Coordinator, Tanya Reesman, 303-724-1950.
Course Requirement: Must contact Course Director or Coordinator to arrange schedule after adding this elective.
The Career Elective in Otolaryngology – Head & Neck Surgery will provide diverse sub-specialty clinical and operative exposure with physician specialists who diagnose and treat disorders of the ears, nose, throat and related structures of the head and neck.

PEDIATRIC ELECTIVES

PED 6622 Diabetes Mellitus  Summer sem.  3.0 cr.
Max: 3
Course Director, Paul Wadwa, MD, 303-724-6719.
Requirement: Must contact instructor immediately to complete application for diabetes camp.
The students will spend 1 week at diabetes camp where they will learn about diabetes and children. Before and after camp, time will be spent at the Barbara Davis Center clinic. Clinical research projects may be developed if interested.

PED 6623 Warren Village Clinic  All sems.  1.0 cr.
Max: 20/Min: 8
Course Director, Stephanie Stevens, MD. Course Coordinator, 303-699-6200.
An opportunity for Phase I and II students to participate in a pediatric clinic. Students will provide well-care and minor acute illness care for children. Students are required to attend an orientation and three to four Wednesday evening clinics.
**PSYCHIATRY ELECTIVES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semesters</th>
<th>Credits</th>
<th>Max/Min</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYM 6620</td>
<td><em>PSCH in Great Literature</em></td>
<td>Fall and Spr sems.</td>
<td>2.0 cr.</td>
<td>Max: 15/Min: 4</td>
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<tr>
<td></td>
<td>Course Director, Robert Davies, MD, 303-724-2229. Course Coordinator, Sharon Campbell, 303-724-7400. <strong>Course Requirement:</strong> This is a two semester course. Students must complete both fall and spring semesters. Discussions will take place once a month on a Monday evening at 7:00 PM. Writers, the first thinkers to understand the “whole man,” took into account his unconscious. We’ll illustrate this as reflected in normal development and personality formation, symbolization, fantasy and psychopathology using the characters and texts from Great Literature.</td>
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<tr>
<td>PSYM 6626</td>
<td><em>Intro to Emergency Psch</em></td>
<td>Spring sem.</td>
<td>1.0 cr.</td>
<td>Max: 20/Min: 4</td>
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<td></td>
<td>Course Directors, Michael Weissberg, MD Course Coordinator, Sharon Campbell, 303-724-7400. 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.</td>
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<tr>
<td>PSYM 6629</td>
<td><em>Medical Hypnosis</em></td>
<td>Spring sem.</td>
<td>1.0 cr.</td>
<td>Min: 4</td>
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<tr>
<td></td>
<td>Course Director, Steve Allen, MD, 303-741-0239. Course Coordinator, Sharon Campbell, 303-724-7400. Medical hypnosis has a wide application in primary care settings, but most primary care practitioners are unfamiliar with its use. Therefore, this course will teach students the basics of trance induction and its application for pain control, insomnia and relaxation.</td>
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<tr>
<td>PSYM 6632</td>
<td><em>Denver CARES Elective</em></td>
<td>Fall and Spring sems.</td>
<td>1.0 crs</td>
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<tr>
<td></td>
<td>Course Directors, Charles Shuman, MD and Michael Weissberg, MD. Associate Director, Bob Davies, MD, 303-724-2229. Course Coordinator, Sharon Campbell, 303-724-7400. In this course students will gain confidence in performing basic H&amp;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.</td>
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<tr>
<td>PSYM 6633</td>
<td><em>SUD in Medical Practice</em></td>
<td>Fall and Spring sems.</td>
<td>1.0 crs</td>
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<td></td>
<td>Course Director, Joseph Sakai, MD, 303-724-3182. Associate Director, Bob Davies, MD, 303-724-2229. Course Coordinator, Sharon Campbell, 303-724-7400. 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.</td>
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**SURGERY ELECTIVES**

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<tbody>
<tr>
<td>SURG 6660</td>
<td><em>Career Elective In UROL</em></td>
<td>1.0 crs</td>
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<td></td>
<td>Course Director, Jane Petersen, MD. Course Coordinator, Kathy Politis, 303-724-2712. <strong>Requirement:</strong> Must contact Course Director or Coordinator within the first two weeks of the course to arrange schedule after adding this elective. Students will attend 2-3 urology outpatient clinics held at the VA on Wed and Fri afternoons and one half or full day in the VA OR (Mon, Tues or Thurs). They will be exposed to the diverse spectrum of urologic practice through shadowing residents and attendings in clinic and observation in the OR.</td>
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</tbody>
</table>
Required clinical clerkships are open only to University of Colorado Medical Students.

**IDPT 7000 Foundations Doctoring 3**  
Course Director, Wendy Madigosky, M.D.  
Course Coordinator, Tina Roquemore, 303-724-6421.  
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.

**IDPT 7001 Integrated Clinicians 1**  
Course Directors, Jeffrey Druck, MD, Nichole Zehnder, MD.  
Course Coordinator, Triszette Morton, 303-724-7732.  
The course is designed to assist with the transition to the clerkship blocks. Course material will provide students with reinforcement of the fundamental physical exam and presentation skills and important information about the clinical courses.

**IDPT 7002 Integrated Clinicians 2**  
Course Directors, Jeffrey Druck, MD, Nichole Zehnder, MD.  
Course Coordinator, Triszette Morton, 303-724-7732.  
Through didactic and small group sessions, the course will teach advanced clinical skills, translational basic science, and thread material that is vital to doctoring, but underrepresented in the clinical blocks.

**IDPT 7003 Integrated Clinicians 3**  
Course Directors, Jeffrey Druck, MD, Nichole Zehnder, MD.  
Course Coordinator, Triszette Morton, 303-724-7732.  
The course is designed to assist with the transition to the clerkship blocks. Course material will provide students with reinforcement of the fundamental physical exam and presentation skills and important information about the clinical courses.

**IDPT 7010 Hospitalized Adult Care**  
Course Directors, Nicole Zehnder, MD and Adam Trosterman, M.D.  
Course Coordinator, Bonnie Caywood, 303-724-1799.  
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. Lukes, Veterans Affairs Medical Center, Exempla, St. Joseph’s, Rose Medical Center.

**IDPT 7020 Infant/Adolescent Care**  
Course Director, Jennifer Soep, MD, MSPH, 720-777-6132.  
Course Coordinator, Brenda Cordova, 720-777-6867  
This block introduces clinical objectives to achieve competency in pediatric medicine, emphasizing illness and wellness of children and families, growth, development, physical and mental well-being. Students combine hospital and ambulatory experiences in Denver and other Colorado communities.

**IDPT 7021 Musculoskeletal Care**  
Course Director, Frank Scott, MD, 303-724-2968.  
Co-Director, William Sullivan, MD.  
Course Coordinator, Adam Evans, 303-724-7354.  
This block combines Orthopaedics, Rheumatology, Physical Medicine and Rehabilitation, basic science, and thread topics to develop competency in history, physical exam skills and the use of laboratory data and basic imaging studies to diagnose, treat, and prevent abnormalities of the musculoskeletal system.

**IDPT 7030 Women and Newborn Care**  
Course Director, Kristina Tocce, M.D.  
Course Coordinator, Rochelle Cassell, 303-724-2031.  
Students will work in OB/GYN clinics, labor and delivery, OB and GYN wards, and the O.R.  They will learn a newborn exam and fundamentals of newborn care.  
Course offered at University Hospital, Denver Health Medical Center or an AHEC site.

**IDPT 7031 Emergency Care**  
Co-Course Directors, Kelley Roswell, M.D. and Tien Vu, M.D.  
Course Coordinator, Marybeth Hutchins, 720-848-6768.  
An introduction to the initial evaluation and management of emergently presenting problems in adults and children.  
Emphasis on recognition, differential diagnosis, and stabilization of shock and trauma.  
Students will also be exposed to pre-hospital care and concepts of triage.
IDPT 7040 Psychiatric Care  
Course Director, Michael Weissberg, M.D.  Course Coordinator, Lesley.Lundeen@ucdenver.edu.  
Students will work closely with attendings and residents to care for adults and/or children. Students have a choice of twelve (12) unique clinical settings including emergency department, consult service, inpatient and outpatient.

IDPT 7041 Neurologic Care  
Course Director, Chantal O'Brien, M.D.  Course Coordinator, April Flores, 303-724-4589.  
Students will participate in the diagnosis and treatment of patients with a wide variety of acute and chronic neurologic disorders. Formal teaching is provided in Attending Rounds, student seminars, resident seminars and departmental Grand Rounds.

IDPT 7050 Peri/Operative Care  
Co-Course Directors, Thomas Whitehill, M.D. and Alison Brainard, M.D.  Course Coordinator, Mary Kay Anderson, 303-724-2681.  
While gaining experience in surgery and anesthesiology, students study surgical diseases and participate in the operative care and delivery of anesthesia during the perioperative period. Assessment and management of common inpatient and ambulatory procedures are emphasized from initial patient referral to discharge.

IDPT 7060 Adult Ambulatory Care  
Course Director, Kelly White, M.D.  Course Coordinator, Kristina Oatis, 303-724-0975.  
Course focus is chronic care of adults, including outpatient experiences and planned didactics. Student paired with primary care preceptor and will have experiences in subspecialty clinics using the chronic care model.

IDPT 7061 Rural and Community Care  
Course Director, David Gaspar, M.D.  Course Coordinator, Steven Cruse, 303-724-0975.  
An interdisciplinary clerkship where students will participate in the provision of comprehensive patient-centered primary care to rural and semi-rural communities. Longitudinal acute and chronic disease management, prevention and health behavioral change will be emphasized.

IDPT 7090 Mentored Scholarship  
Course Director, Allan Prochazka, MD.  Course Coordinator, Katie Watts, 303-724-7731.  
A four year requirement for students to complete a mentored scholarly project and a capstone presentation. Project can be in one of the following thematic areas: basic research, clinical research, global health, epidemiology and public health, humanities and social sciences.

IDPT 7727 Directed Study Clin Sci  
Course Director, Maureen Garrity, Ph.D.  Course Coordinator, Vicki Melton, 303-724-6404.  
Prerequisite: Course Director approval required to add.  
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.
**PHASE 4 ELECTIVES 2013-2014**

Prerequisite for all Phase 4 electives: Completion of Phase 3

### ANESTHESIOLOGY ELECTIVES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Duration</th>
<th>Max.</th>
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<tbody>
<tr>
<td>ANES 8000</td>
<td>Clinical Anesthesiology</td>
<td>2 or 4 wks</td>
<td>2</td>
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</tbody>
</table>
| Course Director, Alison Brainard, MD, 720-848-5566. Course Coordinator, Kathy Riggs, 303-724-1764.  
Students will work one-on-one with anesthesia faculty and residents to gain further practical experience in all aspects of peri-operative care; improving skills gained in the third year and developing a deeper understanding of the breadth of anesthetic practice. Course is completed at Children’s Hospital Colorado and Denver Health. |
| ANES 8001   | Surgery Intensive Care    | 4 wks        | 2    |
| Course Director, Fareed Azam, MD, 303-266-6420. Course Coordinator, Kathy Riggs, 303-724-1764.  
“This Sub-I course meets the UC SOM requirement for graduation.”  
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 & a written paper. |
| ANES 8002   | ANES Subspecialties       | 2 or 4 wks   | 4    |
| Course Director, Alison Brainard, MD, 720-848-5566. Course Coordinator, Kathy Riggs, 303-724-1764.  
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, Transplant, General OR, General OR at the VA, and Outpatient. |
| ANES 8100   | ANES Elective Away        | 2 or 4 wks   |      |
| Course Director, Alison Brainard, MD, 720-848-5566. Course Coordinator, Kathy Riggs, 303-724-1764.  
Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.  
This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs and there may be additional requirements for these. |
| ANES 8600   | Research Anesthesiology   | 2, 4, 8, or 12 wks |      |
| Course Director, Paul Wischmeyer, MD, 720-956-5229. Course Coordinator, Kathy Riggs, 303-724-1764.  
Prerequisite: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs. |
| ANES 8630   | ANES Research Away        | 2, 4, or 8 wks |      |
| Course Director, Paul Wischmeyer, MD, 720-956-5229. Course Coordinator, Kathy Riggs, 303-724-1764.  
Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.  
This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs and there may be additional requirements for these. |

### DERMATOLOGY ELECTIVES

<table>
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<th>Course Code</th>
<th>Course Name</th>
<th>Duration</th>
<th>Max.</th>
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<tbody>
<tr>
<td>DERM 8000</td>
<td>Dermatology Clinical Elective</td>
<td>2 wks</td>
<td>2</td>
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</tbody>
</table>
| Course Director, Cory Dunnick, MD. Course Coordinator, Julie Clark, 720-848-0597.  
Restrictions: Two week rotations only.  
This course is designed to provide a broad overview of medical, surgical and pediatric dermatology. Students will become familiar with the differential diagnosis and treatment of common skin disease, and procedural dermatology including skin biopsies and cryosurgery. |
| DERM 8001   | Dermatology Clerkship     | 4 wks        | 4    |
| Course Director, Cory Dunnick, MD. Course Coordinator, Julie Clark, 720-848-0597.  
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. |
and urgent illnesses.

Restrictions

Course Director, Matthew Rustici, MD. 858

Critically ill patients using procedural skills and simulated patients. Students will complete training in medical management of critically ill patients using procedural skills and simulated patients.

Prerequisite:

Course Coordinator, Julie Clark, 720-848-0597.

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

Prerequisite:

Course Director, Cory Dunnick, MD. 303

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

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

Course Director, Cory Dunnick, MD. 303

Elective Away

Prerequisite:

Research in Dermatology

Course Coordinator, Julie Clark, 720-848-0597.

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

Prerequisite:

Course Coordinator, Marybeth Hutchins, 720-848-6768.

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

Prerequisite:

Course Coordinator, Marybeth Hutchins, 720-848-6768.

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

Prerequisite:

Course Coordinator, Brooke Baker, 303-436-7129.

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.

Prerequisite:

Course Coordinator, Brooke Baker, 303-436-7129.

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.

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

Same as EMED 8005 but directed to students applying to EM Residencies. Mentors assigned/work 4-5 shifts directly with student, discuss EM as a career, CV, personal statement, counsel regarding application/match process for residency, ambulance ride-along.

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

Same as EMED 8005 but directed to students applying to EM Residencies. Mentors assigned/work 4-5 shifts directly with student, discuss EM as a career, CV, personal statement, counsel regarding application/match process for residency, ambulance ride-along.

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

Same as EMED 8005 but directed to students applying to EM Residencies. Mentors assigned/work 4-5 shifts directly with student, discuss EM as a career, CV, personal statement, counsel regarding application/match process for residency, ambulance ride-along.
EMED 8024 Clinical Toxicology  4 wks  Max: 2
Course Director, Kennon Heard, MD, 720-724-7732. Course Coordinator, Marybeth Hutchins, 720-848-6768.
- 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.

EMED 8025 Clin Bedside Ultrasound  4 wks  Max: 4
Course Directors, Andrew French, MD, John Easter, MD, and Molly Thiessen, MD.
- Clinician-performed ultrasound is an integral skill in a number of medical specialties. This elective will enable students to gain valuable skills related to the acquisition and interpretation of bedside ultrasound images. This elective will involve didactic and hands-on educational opportunities.

EMED 8030 Rural Emergency Medicine  2 or 4 wks  Max: 10
Course Director, Jeff Druck, MD, 720-724-7732. Course Coordinator, Marybeth Hutchins, 720-848-6768.
- 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.

EMED 8031 Wilderness Medicine  2 wks, Spring Sem.  Min:10/Max:25
Course Directors, Barbara Blok, MD, 720-848-6777 and Tracy Cushing, MD, 303-436-7146. Course Coordinator, Marybeth Hutchins, 720-848-6767.
- 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.

EMED 8100 EMED Elective Away  2 or 4 wks
Course Director, Jeffrey Druck, MD, 303-724-7732. Course Coordinator, Marybeth Hutchins, 720-848-6768.
- This 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.

EMED 8600 Research in EMED  2, 4, 8 or 12 wks.  Max: 4
Course Director, Jason Haukoos, MD, 303-436-7141...
- Designed for students interested in Emergency Medicine research. Tailored research experiences in the Denver area can be established in a variety of settings. Speak with the course director to design this elective.

EMED 8630 EMED Research Away  2 or 4 wks  Max: 150
Course Director, Jeffrey Druck, MD, 303-724-7735. Course Coordinator, Marybeth Hutchins, 720-848-6768.
- This 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.

FAMILY MEDICINE ELECTIVES

FMMD 8002 Family Med Subinternship  4 wks  Max: 1
Course Director, Michael Bross, MD, 720-848-9061. Course Coordinator, Lisa Martinez, 720-848-9100.
- “This Sub-I course meets the UC SOM requirement for graduation.”

FMMD 8007 Out-Patient Family Med  4 wks  Fall, Spring Sems.  Max: 1
Course Director, Caroline LeClair, DO, 720-848-9000. Course Coordinator, Lisa Martinez, 720-848-9100
- Course is an outpatient family medicine at A.F. Williams Family Medicine Center and Denver Health’s Lowry Family Medicine Clinic. Multidisciplinary faculty including pharmacologists, behavioral scientist, and experienced family physicians and residents caring for a diverse group of patients.
FMMD 8008  *Occup/Envir Med in FM*  2 or 4 wks  
Course Director, David Gaspar, MD  Course Coordinator, Steven Cruse, 303-724-0975.  
**Prerequisite:** Course director approval required to add this elective.  
- Students will learn principles of Occupational and Environmental Medicine. A variety of assessments ranging from sport physicals, commercial/FAA exams to complex disability evaluations will be taught. Elective taught by Drs. Stephen Gray or James Bachman.

FMMD 8009  *Directed Study in FM*  2, 4, or 8 wks  
Course Director, Caroline LeClair, DO, 720-848-9000.  Course Coordinator, Steven Cruse, 303-724-0975.  
**Prerequisite:** Course director approval required to add this elective.  
**Restrictions:** Must have directed study goals and objectives approved by Course Director.  
- Students may participate in scholarly work directed by specific Department of Family Medicine faculty members including curriculum development, patient education projects, and other scholarly activities. Department of Family Medicine MSA or research mentor must supervise and be responsible for evaluations.

FMMD 8010  *Preventive Hlth Elective*  2 wks  
Course Directors, Michele Doucette, PhD and Bonnie Jortberg, MS, RD, CDE, Course Coordinator, Steven Cruse, 303-724-0975.  
**Prerequisite:** Course Director or Coordinator approval required to add elective.  
**Restrictions:** Only available sections 45-46.  
- Students will understand the role of nutrition, physical activity and behavior change in disease prevention and treatment through experiential learning.

FMMD 8011  *Colon Cancer & Endoscopy*  2 wks  
Course Director, John M. Westfall, MD, MPH. 303-724-9712.  Jack.Westfall@ucdenver.edu  
Course Coordinator, Beth Ingram, 303-724-0360.  
**Prerequisite:** Course Coordinator approval required to add this course.  
- An independent study of the epidemiology, pathophysiology, clinical presentation, screening and prevention of colorectal cancer. Students will complete an online didactic course, 30-40 lower GI endoscopy cases on state-of-the-art endoscopy simulator and possibly a clinical observation experience.

FMMD 8012  *Oral Health: Acute Dental*  2 wks  
Course Directors, Mark Deutchman, MD. 303-724-9725, mark.deutchman@ucdenver.edu  
Ed Mitinsky, DDS, 303-724-6996.  
**Prerequisite:** Course Director approval.  
**Restrictions:** This elective offered only at selected times. It will not be offered in June, July, August, or December.  
- The focus of this elective is on recognition, assessment, triage, and treatment of acute dental problems, such as pain, infection, and trauma. Students interested in rural or underserved primary care practice should take this elective.

FMMD 8014  *PCMH: Concept & Practice*  2 wks  
Course Directors, David Gaspar, MD and Scott Hammond, MD.  
Course Coordinator, Steven Cruse, 303-724-0975.  
**Course Restrictions:** Elective only offered Sections 39 & 40. Prior approval by the Course Director or coordinator needed.  
- Lean why the Patient Centered Medical Home is a comprehensive model that will revolutionize primary care of the 21st century. Students will study the evidence behind the main principles of the PCMH and experience them in action at PCMH-certified clinics.

FMMD 8015  *Correctional Health Care*  2 or 4 wks  
Course Directors, David Gaspar, MD and David Allred, DO.  
**Prerequisites:** Specific background check for DCC and pre-elective training required months in advance of elective.  
**Course Restrictions:** Prior approval by Course Directors.  
- The elective, at federal correctional facility at Florence, Colorado, will provide students an introduction to care in a non-traditional clinical environment where patients carry a large burden disease of medical and mental health conditions.

FMMD 8016  *Sub-I at Colorado FMRs*  4 wks  
Course Directors, Caroline LeClair, DO, 720-848-9000.  Course Coordinator, Steven Cruse, 303-724-0975.  
**Course Restrictions:** Required Sub-I is available at Grand Junction, Greeley, Ft. Collins, Pueblo, Rose, St. Antony, St. Joseph, and Swedish FM Residency Programs. Application to and prior approval by the individual residency program is needed.  
- “This Sub-I course meets the UC SOM requirement for graduation.”  
- Sub-Internship level experience in managing problems common to Family Medicine at one of eight Colorado FM Residency Programs. Two-thirds inpatient and one-third outpatient emphasizing advanced communication and clinical reasoning skills.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>FMMD 8100</td>
<td>FMMD Elective Away</td>
<td>2-4 wks</td>
<td>Restrictions: Must work with a family physician. Students must have learning objectives approved by course director. This elective will be held at a site in Colorado or another state. Can be done in private offices or a CO Residency Program if not structured as a Sub-I. All rotations out of state (even if considered a Sub-I at an out-of-state residency program are required to register as FMMD 8100.)</td>
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<tr>
<td>FMMD 8400</td>
<td>International FM</td>
<td>4, 8, or 12 wks</td>
<td>Restrictions: May not register for final 6 weeks for academic year. Supervising physician must be a family physician. Prerequisite: Approval from Course Director and the Associate Dean for Student Affairs required to register. Management of Family Medicine problems common to countries outside of the United States. Inpatient and outpatient experiences are acceptable. Successful International Experiences sessions are required. Arrangements, including registering with “Studio Abroad” must be completed 60 days prior to the elective.</td>
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<tr>
<td>FMMD 8411</td>
<td>Foreign Language Immersion</td>
<td>4 or 8 wks</td>
<td>Restrictions: May not register for final 6 weeks of academic year. Not available for honors grading. Prerequisites: Prior approval of the Course Director and from the Associate Dean of Student Affairs required to register. Must attend an accredited Foreign Language program. 80 hurs of language study AND 20 hours of medical foreign language or 24 hours of clinical required. Successful International Experiences sessions are required. Arrangements and registration with “Studio Abroad” must be completed 60 days prior to departure.</td>
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<tr>
<td>FMMD 8600</td>
<td>Research in FM</td>
<td>2, 4, 8 or 12 wks</td>
<td>Restrictions: Must be supervised by a family physician or Department of Family Medicine faculty approved by the Course Director. Must have research goals and objectives approved as well. Primary Care research opportunities are available in practice-based and epidemiologic research.</td>
</tr>
<tr>
<td>FMMD 8630</td>
<td>FMMD Research Away</td>
<td>2, 4, or 8 wks</td>
<td>Restrictions: May not register for final 6 weeks of academic year. Must be supervised by a family physician or through Department of Family Medicine. Must have research goals and objectives approved by Course Director. This research elective will be held at a site in Colorado or another state.</td>
</tr>
<tr>
<td>FMMD 8640</td>
<td>Int’l FM Research</td>
<td>4 or 8 wks</td>
<td>Restrictions: May not register for final 6 weeks of academic year. Must be supervised by a family physician or through Department of Family Medicine. Must have research goals and objectives approved by Course Director. Prerequisites: Departmental approval must be obtained and all arrangements made at least one semester in advance. Approval of the Associate Dean for Student Affairs required. May participate in Family Medicine research with a family physician or Family Medicine faculty at international sites. Student must provide goals &amp; objectives, obtain departmental approval, complete arrangements &amp; register with “Studio Abroad” 60 days prior to departure. Successful International Experiences sessions also are required.</td>
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**INTERDEPARTMENTAL ELECTIVES**

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<th>Course Code</th>
<th>Course Title</th>
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<th>Description</th>
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<tbody>
<tr>
<td>IDPT 8000</td>
<td>Foundations Doctoring IV</td>
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<td>Course Director, Kristin Furfari, MD. Course Coordinator, Tina Roquemore, 303-724-6421. Course Restrictions: To register please email Tina <a href="mailto:Roquemore@ucdenver.edu">Roquemore@ucdenver.edu</a>. For graduation requirements, this course counts one week for summer semester and two weeks each for fall and spring semesters. This course continues the established student-preceptor relationship from the FDC course. Students attend their preceptor office 2-3 times per month. Students will work with a panel of patients or families serving as their physician under the supervision of their preceptor.</td>
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</tbody>
</table>
IDPT 8001 Tutoring in Foundations Fall, Spring Semesters
Course Director, Todd Guth, MD, 303-724-6420. Course Coordinator, Tina Roquemore, 303-724-6421.
Course Restrictions: To register please email Tina Roquemore@ucdenver.edu. For graduation requirements, this course counts one week each for fall and spring semesters.
Fourth year students are trained how to be tutors and then use their skills with first and second year students learning physical exam and communication skills. Learn how to coach small groups of students, give feedback and evaluate student performance.

IDPT 8003 Geriatrics 4 wks Max: 2
Course Directors, Laurence J. Robbins, MD Course Coordinator, Lynn Blair, 303-393-2822.
Student receives core didactic and reading material to enhance their knowledge of common geriatric medical and psychosocial issues. Exposed to patient care in numerous out-patient, inpatient, hospice, long term care and home care settings on and off of University campus.

IDPT 8004 Integrated Clinicians 4 2 wks Spring Semester
Course Directors, Jeffrey Druck, MD, Nichole Zehnder, MD Course Coordinator, Annie Lopez Osendorf, 303-724-4558.
Restrictions: Offered section 41 only.

IDPT 8005 Integrated Clinicians 5 2 wks Spring Semester
Course Director, Jeffrey Druck, MD, Nichole Zehnder, MD Course Coordinator, Annie Lopez Osendorf, 303-724-4558.
Restrictions: ICC 5 is a required Phase IV course that will provide you with essential learning opportunities to begin residency and your career to include ACLS, legal malpractice, teaching skills, finance, leadership skills and specialty specific clinical reviews.

IDPT 8007 Medicine / Pediatrics 2 or 4 wks Max: 1
Course Director: Adam Trosterman, MD Course Coordinator, Bonnie Caywood, 303-724-1790.
Prerequisites: Course Director approval required to add this course.

IDPT 8011 Clinical Nutrition 2 wks Max: 1
Course Director, Nancy Krebs, MD, MS. Course Coordinator, Laura Primak, RD, CNSD, 303-506-5228
Restrictions: Contact laura.primak@ucdenver.edu, two weeks prior to start date.

IDPT 8014 Global Hlth US Project 4 or 8 wks Max: 20
Course Director: Jennifer Bellows, MD, 303-436-6884. Course Coordinator, Katie Watts, 303-724-7731.
Course Restrictions: Course director approval required to add course.
This course is the continuation of IDPT 6667 and 6668. Students will undertake a global health project at a US-based site under the supervision of their designated mentor and local supervisors.

IDPT 8015 Global Hlth Intl Project 4 or 8 wks Max: 20
Course Directors: Jennifer Bellows, MD, 303-436-6884. Course Coordinator, Katie Watts, 303-724-7731.
Course Restrictions: Course director approval required to add course.

IDPT 8017 Culturally Effective Med 2 wks Spring Semester Min:6/Max:10
Course Director, Paritosh Kaul, MD. Course Coordinator, Regina Richards, MSW, 303-724-4537.
Course Restriction: Offered section 37 only.

Students will gain an understanding of social and cultural influences that affect medical care from and individual and systems perspective. Through didactics, group discussions, and clinical work, students will gain the knowledge that is necessary to provide culturally effective care.
IDPT 8018 Global Health & Disaster  
Course Director, Stephen Berman, MD, 303-724-9771. Course Coordinator, Michelle Shiver, BSE, 303-724-9771. 
Restrictions: Section 27 only. 
This course will cover current global health policy issues, community engagement, parasitic, bacterial and viral infections, specialty care, malnutrition and disaster planning and response for children. There will be readings, lectures, labs, problem based learning, small group sessions and technical exercises.

IDPT 8019 Team-based Clinical Care  
Course Director, Lynne Yancey, MD, 303-724-6392. Course Coordinator, Brenna Deutchman, 303-724-6428. 
Restrictions: For graduation requirements, each semester counts one week. 
Students will join an interprofessional care team to follow patients with complex medical illness. Focus is on understanding the interprofessional care team model of patient entered care, and recognizing factors influencing effective team function. Clinical sites include disease-based clinics, rehabilitation centers, and hospice.

IDPT 8020 Physician as Advisor  
Course Director, Maureen Garrity, PhD. Course Coordinator, Vicki Crites, 303-724-6404. 
Prerequisites: Fourth year standing and selection as a “Student Advisor” in the Advisory College Program. 
Restrictions: This is a two-semester course offered Fall and Spring. For graduation requirements, each semester counts one week. 
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.

IDPT 8021 Costa Rica Spanish Immersion (New elective spring 2014)  
Course Director, Steven Lowenstein, MD, MPH, 720-847-6777. Course Coordinator, Rory Foster, 303-684-5557. 
Prerequisites: Course Director approval Required. This Spanish immersion and community health elective is most appropriate for students who have studied Spanish in at least the “Advanced Beginner” level. Students who have not studied Spanish in high school or college should have Spanish language experience equivalent to one of the following: past instruction in the School of Medicine’s SABES or SABES-II (Clinical Medical Spanish) elective; or successful completion of Common Ground International’s Beginning I Medical Spanish course. Contact course coordinator for information. 
Restrictions: Offered Section 37 only. The estimated charge (by Common Ground International) is $3,350, which includes: travel, medical insurance; home stay lodging and two meals per day; language classes and class materials; a comprehensive Medical Mission Handbook; and transportation to and from afternoon health tours and volunteer sites. This fee also includes course coordination and support by the onsite program coordinator, seminars by local Costa Rican health experts and staffing by clinical preceptors. 
This capstone Spanish Immersion course in Costa Rica includes home stays, intensive language instruction and public health and community outreach activities in underserved communities. Students should be passionate about providing care to the disadvantaged patients in the USA or abroad and committed to improving their Spanish language skill.

IDPT 8022 Clinical Medical Spanish - ( REPLACES MEDS 8021 in FALL 2013)  
Course Director, Monica Carten, MD, Course Coordinator, Rory Foster, 303-684-5557. Common Ground International. 
Prerequisites: 2 years of classroom Spanish language instruction (i.e. 2 semesters of college level Spanish), basic Spanish language conversation ability, some knowledge of Medical Spanish. Evaluation by Spanish language instructor prior to registration approval is required. 
Restriction: Offered section 21 only. Course fee: $330 plus textbooks. 
Clinical Medical Spanish is a near-immersion experience in medical Spanish: consisting of intensive classroom instruction in medical Spanish, a clinical sub-internship at Denver metro-area outpatient clinics, and a final presentation t. Home stays with a Spanish-speaking family may be possible.

IDPT 8023 Refugee Health II (New elective summer 2013)  
Course Director, Jamal Moloo, 720-848-6556. Course Coordinator, Kristina Oatis, 303-724-1798. 
Refugee Health II will provide Phase IV medical students with clinical exposure to the multifaceted nature of refugee healthcare through two or four week commitments at the Colorado Refugee Wellness Center.

IDPT 8030 Laboratory Medicine (Replaces PATH 8001 effective fall 2013)  
Course Director, Mary Berg, MD, Course Coordinator, Gretchen Amend, 303-724-3905. 
Restrictions: Course offered section 17 only. 
This elective gives senior students comprehensive instruction in using laboratory tests. It reviews physiologic and biochemical phenomena on which laboratory tests are based and emphasizes approaches to interpret laboratory data, awareness of indications, and pitfalls of laboratory tests.
IDPT 8090 Mentored Scholarship
Course Director, Allan Prochazka, MD. Course Coordinator, Katie Watts, 303-724-7731. Prerequisite: Special permission and individual arrangements required in advance. Student must have a faculty/project mentor who will sign off on the project. The student must receive prior approval from the Associate Dean for Student Affairs. This course is designed to allow students to complete scholarly work not appropriately covered by other available courses (e.g. MSA work beyond IDPT 8091).

IDPT 8091 MSA Phase IV Preparation
4 wks  Summer, Fall, Spring
Course Director, Allan Prochazka, MD Course Coordinator, Katie Watts, 303-724-7731. Prerequisite: Prior approval of Mentor, Course Director, and Associate Dean for Student Affairs, required. Students work intensively with mentors on their chosen MSA Project. Students critically review background literature, define a question/hypotheses, develop and implement methods and study design, collect data, analyze and interpret data, and submit written progress reports for their MSA project.

IDPT 8093 IDPT Scholarly Activity
4 wks  Summer, Fall, Spring
Course Directors, Allan Prochazka, MD, Maureen Garrity, PhD . Course Coordinator, Katie Watts, 303-724-7731. Prerequisite: Special permission and individual arrangements required in advance. Student must have a faculty/project mentor who will sign off on the project. The student must receive prior approval from the Associate Dean for Student Affairs. Restriction: Cannot be taken after Section 47. This course is designed to allow students to complete scholarly work not appropriately covered by other available courses (e.g. MSA work beyond IDPT 8091).

IDPT 8601 Research Track, Rsrch I
4 wks  Max:16  Summer, Fall, Spring
Course Director, Randy Ross, MD. Course Coordinator, Katie Watts, 303-724-7731. Restrictions: Limited to and required for Phase IV (MS4) medical students who are in good standing in the Research Track. The first of two courses for Phase IV Research Track medical students. Students are expected to spend full time working on their research project and towards the Track required goals of submitting an abstract and a first-author publication.

IDPT 8602 Research Track, Rsrch II
4 wks  Max:50  Summer, Fall, Spring
Course Director, Randy Ross, MD. Course Coordinator, Katie Watts, 303-724-7731. Prerequisite: IDPT 8601. Research Track, Rsrch I. Restrictions: Limited to and required for Phase IV (MS4) medical students who are in good standing in the Research Track. May be repeated once as an elective. The second of two courses for Phase IV Research Track medical students. Students are expected to spend full time working on their research project and towards the Track required goals of submitting an abstract and a first-author publication.

IDPT 8827 Directed Study Clin Sci
2, 4, or 8 wks  Max:50
Course Director, Maureen Garrity, Ph.D.: Course Coordinator, Vicki Melton, 303-724-6404. Prerequisite: Course Director approval required to add. 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.

MEDICINE ELECTIVES

MEDS 8001 Medicine Subinternship
4 wks  Max: 16
Course Director, Adam Trosterman, MD. Course Coordinator, Bonnie Caywood, 303-724-1790. This sub-intern functions as an intern and is responsible for the admission, evaluation, and continuing care of patients under the supervision of a Resident and an Attending. Sub-internships are offered at DHMC, P/SL, UCH, VAMC, and St. Joseph's Hospital.

MEDS 8003 Transfusion Medicine
4 wks  Max: 1
Course Director. Course Coordinator, Vicki Crites, 303-724-6404. Course Restrictions: Notification of, and approval by course director before students start the course. This course is a comprehensive study of transfusion medicine, pre-transfusion testing, component preparation and storage, donor selection and testing, inventory control and blood administration. Independent study and research encouraged.

MEDS 8004 Cardiology
4 wks  Max: 6
Course Director, Peter M. Buttrick, MD, 303-724-2089. Course Coordinator, Allison Morris, 303-724-2089. Designed to offer a broad general exposure to adult cardiology, including history, physical examination, and an introduction and review of standard noninvasive testing.
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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>MEDS 8005</td>
<td>Cardiac Diagnostic Skill</td>
<td>2 wks</td>
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<td>Course Directors, David Flitter, MD</td>
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<td></td>
<td>and Michael Fisher, MD.</td>
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<td>Course Coordinator, Sarah Flores,</td>
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<td>303-866-8896</td>
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<td>Goals are to improve cardiac</td>
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<td>physical diagnosis skills,</td>
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<td>interpret EKG findings, recognize</td>
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<td>abnormal heart sounds and murmurs;</td>
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<td>analyze cardiac chest x-ray</td>
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<td>findings. Includes didactic sessions</td>
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<td>and home study.</td>
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<td>MEDS 8006</td>
<td>Allergy/Clin Immunology</td>
<td>4 wks</td>
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<td>Course Director, Stephen Dreskin,</td>
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<td>MD, 303-724-7198.</td>
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<td>Course Coordinator, Jeanne Kittle,</td>
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<td>303-724-7198.</td>
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<td>Prerequisite: Course Director</td>
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<td>approval required to add course.</td>
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<td>Opportunities to participate in</td>
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<td>inpatient consultations, observe</td>
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<td>clinical immunology laboratory</td>
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<td>techniques, and library research.</td>
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<td>MEDS 8007</td>
<td>Clinical Renal</td>
<td>4 wks</td>
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<td>Course Director, James Cooper, MD.</td>
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<td>Course Coordinator, Kendra Burghardt</td>
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<td>303-724-4851.</td>
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<td>A four-week elective course in</td>
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<td>electrolyte, hypertensive, acute and</td>
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<td>chronic renal failure, glomerular</td>
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<td>(including diabetes) disorders,</td>
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<td>and hospital services. The students</td>
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<td>will see consults on all services,</td>
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<td>learn to maintain and analyze flow</td>
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<td>sheets, review problems with</td>
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<td>residents and fellows.</td>
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<tr>
<td>MEDS 8008</td>
<td>Clin Gastro-Colo Spgs – (new course)</td>
<td>4 wks</td>
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<td>Course Director, Austin, Garza, MD.</td>
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<td>719-635-7321.</td>
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<td>Course Coordinator, Vicki Crites,</td>
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<td>303-724-6404.</td>
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<td>For housing: <a href="http://ahec.ucdenver.edu/">http://ahec.ucdenver.edu/</a></td>
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<td>(new course)</td>
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<td>This is an ambulatory and inpatient</td>
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<td>gastroenterology exposure within the</td>
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<td>context of a private practice,</td>
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<td>featuring exposure to GI diseases,</td>
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<td>endoscopic and medical management of</td>
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<td>the gastrointestinal tract and</td>
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<td>hepatology including Hepatitis C.</td>
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<td>MEDS 8009</td>
<td>Clin Infectious Diseases</td>
<td>4 wks</td>
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<td>Course Director, J. David Beckham,</td>
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<td>MD, 303-724-4927.</td>
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<td>Course Coordinators, Ashley Cannon,</td>
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<td>303-724-4932.</td>
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<td>UCH, DHMC, and VA Hospital assigned.</td>
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<td>Hospitalized patients with a variety</td>
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<td>of infectious diseases are available</td>
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<td>for study. Diagnosis, pathophysiology,</td>
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<td>immunology, epidemiology, and</td>
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<td>management, including use of</td>
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<td>antimicrobial agents are emphasized.</td>
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<td>Students attend weekly conferences in</td>
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<td>clinical gastroenterology, radiology</td>
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<td>and pathology. They are invited to</td>
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<td>observe procedures. Hospital is</td>
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<td>assigned.</td>
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<td>MEDS 8010</td>
<td>Clin Gastroenterology</td>
<td>4 wks</td>
<td>2</td>
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<td>Course Director, Joel Levine, MD.</td>
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<td>Course Coordinator, Shanna Taylor,</td>
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<td>303-724-2972.</td>
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<td>Students will participate in work up</td>
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<td>of both hospitalized and ambulatory</td>
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<tr>
<td></td>
<td>patients with gastrointestinal (GI)</td>
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<tr>
<td></td>
<td>illnesses. GI pathophysiology will</td>
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<tr>
<td></td>
<td>be emphasized. Students attend</td>
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<td></td>
<td>weekly conferences in clinical</td>
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<td></td>
<td>gastroenterology, radiology and</td>
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<tr>
<td></td>
<td>pathology. They are invited to</td>
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<td></td>
<td>observe procedures. Hospital is</td>
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<td></td>
<td>assigned.</td>
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<tr>
<td>MEDS 8011</td>
<td>Pulmonary</td>
<td>4 wks</td>
<td>2</td>
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<tr>
<td></td>
<td>Course Director, Joe Crossno, MD.</td>
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<td></td>
<td>303-724-3695.</td>
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<tr>
<td></td>
<td>Course Coordinator, Jessica</td>
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<tr>
<td></td>
<td>Cunningham, 303-724-6043.</td>
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<td></td>
<td>UCH, DHMC, and DVAMC. This elective</td>
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<tr>
<td></td>
<td>offers broad experience in pulmonary</td>
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<tr>
<td></td>
<td>and critical care medicine. Students</td>
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<tr>
<td></td>
<td>participate in consultations,</td>
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<tr>
<td></td>
<td>attend conferences and clinics.</td>
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<tr>
<td></td>
<td>A wide variety of pulmonary and</td>
<td></td>
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<tr>
<td></td>
<td>critical care cases are seen.</td>
<td></td>
<td></td>
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<tr>
<td>MEDS 8012</td>
<td>Clinical Rheumatology</td>
<td>4 wks</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Course Director, Robert Janson, MD.</td>
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<td></td>
<td>Course Coordinator, Wanda Simpson,</td>
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<td></td>
<td>303-724-7605.</td>
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<tr>
<td></td>
<td>Students will learn how to recognize</td>
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<td></td>
<td>diagnose, and treat common rheumatic</td>
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<td></td>
<td>disorders. Students will attend all</td>
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<td></td>
<td>formal teaching conferences in the</td>
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<tr>
<td></td>
<td>Division of Rheumatology and attend</td>
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<tr>
<td></td>
<td>6 or more outpatient clinics each</td>
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<tr>
<td></td>
<td>week at Denver Health, Denver VA,</td>
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<tr>
<td></td>
<td>and the University campus.</td>
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<tr>
<td>MEDS 8013</td>
<td>Endocrinology</td>
<td>4 or 6 wks</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Course Director, Cecilia Wang, MD.</td>
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<td></td>
<td>303-399-8020 x2691.</td>
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<td></td>
<td>Course Coordinator, Holly Smith,</td>
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<tr>
<td></td>
<td>303-724-3927.</td>
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<tr>
<td></td>
<td>Introduction to evaluation and</td>
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<td></td>
<td>management of endocrine disorders via</td>
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<td></td>
<td>outpatient clinics and inpatient</td>
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<td></td>
<td>consults at VAMC, DHMC, UCH.</td>
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<td></td>
<td>Endocrine-focused history-taking and</td>
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<td></td>
<td>physical examination with a complete</td>
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<td></td>
<td>problem-oriented approach to patient</td>
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<td></td>
<td>care. Multiple conferences and close</td>
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<td></td>
<td>interaction with fellows and</td>
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<td></td>
<td>attendings.</td>
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<tr>
<td>MEDS 8014</td>
<td>Hematology / Oncology</td>
<td>4 wks</td>
<td>1</td>
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<tr>
<td></td>
<td>Course Director, Paul Seligman, MD.</td>
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<td></td>
<td>303-724-4086.</td>
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<td></td>
<td>Course Coordinator, Theresa</td>
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<td></td>
<td>Martinez, 303-724-4088.</td>
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<tr>
<td></td>
<td>Students are exposed to a wide range</td>
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<td></td>
<td>of patients seen in consultation for</td>
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<td></td>
<td>hematologic and oncologic problems.</td>
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<td></td>
<td>Students may also elect to attend the</td>
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<td>numerous subspecialty outpatient</td>
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<td>clinics for patients with various</td>
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<td></td>
<td>malignancies.</td>
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<tr>
<td>MEDS 8017</td>
<td>Hospice/Palliative Care</td>
<td>2 or 4 wks</td>
<td>1</td>
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<tr>
<td></td>
<td>Course Director: Jeanie Youngwerth,</td>
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<td></td>
<td>MD, 720-848-4289.</td>
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<td>Prerequisite: 1) Course Director</td>
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<td>approval required to add course.</td>
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<td>2) Contact Dr. Youngwerth 1 week prior</td>
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<td></td>
<td>to starting via email JeanYoungwerth@</td>
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<td>ucdenver.edu.</td>
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<td>Restriction: Please contact Dr.</td>
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<td>Youngwerth via email if you drop the</td>
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<td>course.</td>
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<td>This is an introduction to hospice</td>
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<td></td>
<td>and palliative care. Students will</td>
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<td>explore the physical, social,</td>
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<td></td>
<td>psychological, and spiritual</td>
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<td>aspects of patient care of the</td>
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<td>terminally ill at hospice, and learn</td>
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<td>to elicit goals of care and acute</td>
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<td>symptom control in the hospitalized</td>
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<td></td>
<td>patient with serious illness.</td>
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<tr>
<td>MEDS 8021</td>
<td>Clinical Medical Spanish - (INACTIVE</td>
<td>4 wks</td>
<td>Fall</td>
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<td></td>
<td>END Spring 2013- SEE IDPT 8022)</td>
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<td>Sem</td>
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</tbody>
</table>
MEDS 8022  Disability Medicine  2 or 4 wks  Max: 2
Course Director, Laura Pickler, MD, MPH, 720-777-7450. Course Coordinator, Dina Johnson, 303-724-7673
Prerequisites: Course Director approval required to add this course.
Restrictions: Not offered in December. Final scheduling requires communication with Dr. Pickler either by email or office phone.
This course addresses unique considerations of providing health care to individuals with disabilities throughout their lifespan. Coursework is tailored to the student's interests, providing experience with genetic conditions and inborn errors of metabolism in addition to patients with developmental disabilities.

MEDS 8023  Medicine Consult  2 or 4 wks  Max: 2
Course Director, Brian Wolfe, MD, 720-848-4289, brian.wolfe@ucdenver.edu.
Medicine Consult is for students interested in learning about medical issues of surgical patients and performing general medical consultations for non-medical services. This elective will be useful to the student interested in a career in hospital medicine or surgical subspecialties.

MEDS 8025  Medical Oncology  4 wks  Max: 2
Course Director, Elaine Lam, MD, 720-848-0170.
Students will learn the basic aspects of medical oncology by evaluation of patients in the general oncology, breast, lung cancer, prostate, melanoma, leukemia and lymphoma clinics. They will attend the weekly multi-disciplinary tumor conferences.

MEDS 8026  Medical Oncology Sub I  4 wks  Max: 1
Course Director, Elaine Lam, MD, 720-848-0170.
This elective is a sub-internship on the oncology unit of University Hospital. The student will function as an intern, admitting and evaluating patients. Teaching rounds will be on a daily basis with residents, oncology fellows and an attending physician.

MEDS 8029  Applied Clin Pharmacolog  4 wks  Spring Sem.
Min: 20/Max: 120
Course Directors, Alberto Costa, MD, PhD, 303-724-6007 and Wenbo Zhou, PhD, 303-724-6000.
Restriction: Course offered section only. 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.

MEDS 8032  Corrections Health Care  2 wks  Max: 1
Prerequisite: Course Director approval required to add this course.
Provide primary care to inmates in corrections facilities. Experiences include manipulative or drug-seeking patients, the interface between health care and the legal system, and issues in correctional health care (i.e., HIV, TB).

MEDS 8034  Sub I Crit Care StJoseph  4 wks  Max: 3
Course Director, Lisa Cyran, MD. Course Coordinator, Sarah Flores, 303-866-8885.
“This Sub-I course meets the UC SOM requirement for graduation.”
Restrictions: Maximum enrollment of 2-3 students, depending on Section #: (3 spots are generally available May thru September.) Student sub-internship on one-resident/one-intern team. 10-day time alternating on 5 night time shifts, one day off per week. Student attends daily ICU Cardiology/Pulmonary/Interdisciplinary rounds, Morning Report, and Noon conference and will enhance skills in evaluating, managing and communicating with critically ill patients and families.

MEDS 8037  Sub I Critical Care UH  4 wks  Max: 1
Course Director, Ellen Burnham, MD. Course Coordinator, Michelle Kerklo, BS, 303-724-6079.
Prerequisites: Sub I in Medicine or Surgery.
The critical care sub-internship will provide training in the care of critically ill ICU patients. Emphasized skills will include management of respiratory failure, hemodynamic instability, severe electrolyte abnormalities, gastrointestinal emergencies and common ICU procedures.

MEDS 8038  CAM Wellness Elective  2 or 4 wks  Fall, Spring
Max: 4
Course Director, Lisa Corbin, MD 720-848-1225.
Prerequisites: Course director approval required to add this course.
There is a well-documented relationship between movies and psychiatry. Just how accurate are film depictions of psychiatric conditions and how have cinematic representations shaped our personal responses, cultural beliefs, and social policies regarding the mentally ill?

MEDS 8040  Film and Mental Illness  2 wks  Spring sem.
Min: 6/ Max: 30
Course Director, Therese Jones, PhD, 303-724-3995. Course Coordinator, Heidi Mallon, Med, 303-724-6997.
Restrictions: Offered section 43 only.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Wks</th>
<th>Prerequisites/Restrictions</th>
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</thead>
<tbody>
<tr>
<td>MEDS 8100</td>
<td>MEDS Elective Away</td>
<td>2 or 4 wks</td>
<td>Preapproved by Student Affairs, and there may be additional requirements for these. Course is Pass/Fail only.</td>
</tr>
<tr>
<td>MEDS 8600</td>
<td>Research in Medicine</td>
<td>2, 4, 8, or 12 wks</td>
<td>Preapproved by Student Affairs. These must be completed at least one month in advance of start.</td>
</tr>
<tr>
<td>MEDS 8601</td>
<td>Intro Biomed Research</td>
<td>2 or 4 wks</td>
<td>Preapproved by Student Affairs. These must be completed at least one month in advance of start.</td>
</tr>
<tr>
<td>NEUR 8000</td>
<td>Neurology</td>
<td>2 or 4 wks</td>
<td>Preapproved by Student Affairs. These must be completed at least one month in advance of start.</td>
</tr>
<tr>
<td>NEUR 8100</td>
<td>NEUR Elective Away</td>
<td>2 or 4 wks</td>
<td>Preapproved by Student Affairs. These must be completed at least one month in advance of start.</td>
</tr>
<tr>
<td>NEUR 8600</td>
<td>Research in Neurology</td>
<td>2, 4, 8, or 12 wks</td>
<td>Preapproved by Student Affairs. These must be completed at least one month in advance of start.</td>
</tr>
<tr>
<td>NEUR 8630</td>
<td>NEUR Research Away</td>
<td>2, 4, or 8 wks</td>
<td>Preapproved by Student Affairs. These must be completed at least one month in advance of start.</td>
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**NEUROLOGY ELECTIVES**

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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Wks</th>
<th>Prerequisites/Restrictions</th>
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<tbody>
<tr>
<td>NEUR 8000</td>
<td>Neurology</td>
<td>2 or 4 wks</td>
<td>Preapproved by Student Affairs. These must be completed at least one month in advance of start.</td>
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<tr>
<td>NEUR 8100</td>
<td>NEUR Elective Away</td>
<td>2 or 4 wks</td>
<td>Preapproved by Student Affairs. These must be completed at least one month in advance of start.</td>
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<tr>
<td>NEUR 8600</td>
<td>Research in Neurology</td>
<td>2, 4, 8, or 12 wks</td>
<td>Preapproved by Student Affairs. These must be completed at least one month in advance of start.</td>
</tr>
<tr>
<td>NEUR 8630</td>
<td>NEUR Research Away</td>
<td>2, 4, or 8 wks</td>
<td>Preapproved by Student Affairs. These must be completed at least one month in advance of start.</td>
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</table>
### NEUROSURGERY ELECTIVES

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Duration</th>
<th>Max.</th>
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<tbody>
<tr>
<td>NSUR 8014</td>
<td>Neurosurgery Sub I</td>
<td>2, 4, or 6 wks</td>
<td>8</td>
</tr>
</tbody>
</table>
|             | *Course Director, Kathryn Beauchamp, MD.* Course Coordinator, Krystin Hasenbalg, 303-724-2302.  
  “This Sub-I course meets the UC SOM requirement for graduation.”  
  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. |

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<th>Course Code</th>
<th>Course Title</th>
<th>Duration</th>
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<tr>
<td>NSUR 8100</td>
<td>NSUR Elective Away</td>
<td>2 or 4 wks</td>
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</tbody>
</table>
|             | *Course Director, Kathryn Beauchamp, MD.* Course Coordinator, Krystin Hasenbalg, 303-724-2302.  
  Prerequisites: Department approval must be obtained and then approval by Associate Dean for Student Affairs. These must be completed at least one month in advance of start.  
  This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may additional requirements for these. |

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<th>Course Code</th>
<th>Course Title</th>
<th>Duration</th>
<th>Max.</th>
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<tbody>
<tr>
<td>NSUR 8600</td>
<td>Research in Neurosurgery</td>
<td>2, 4, 8, or 12 wks</td>
<td></td>
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</tbody>
</table>
|             | *Course Director, Kathryn Beauchamp, MD.* Course Coordinator, Krystin Hasenbalg, 303-724-2302.  
  Prerequisites: Special permission from the department and individual arrangement must be completed and then the student must receive prior approval from the prior approval from the Associate Dean for Student Affairs.  
  A written evaluation must be sent to Dr. Michael Handler and Lauren Buckles. |

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<th>Course Code</th>
<th>Course Title</th>
<th>Duration</th>
<th>Max.</th>
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<tr>
<td>NSUR 8630</td>
<td>NSUR Research Away</td>
<td>2, 4, or 8 wks</td>
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</tbody>
</table>
|             | *Course Director, Kathryn Beauchamp, MD.* Course Coordinator, Krystin Hasenbalg, 303-724-2302.  
  Prerequisites: Department approval must be obtained and then approval by Associate Dean for Student Affairs. These must be completed at least one month in advance of start.  
  Restrictions: Not available sections 49-50.  
  This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these. |

### OBSTETRICS AND GYNECOLOGY ELECTIVES

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Duration</th>
<th>Max.</th>
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<tbody>
<tr>
<td>OBGY 8000</td>
<td>General Obstetrics Sub I</td>
<td>4 wks</td>
<td>1</td>
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</table>
|             | *Course Director, Kathy Witzeman, MD.* 303-602-9725. Course Coordinator, Rochelle Cassell, 303-724-2031.  
  “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. |

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<th>Course Code</th>
<th>Course Title</th>
<th>Duration</th>
<th>Max.</th>
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<tbody>
<tr>
<td>OBGY 8001</td>
<td>General Gynecology Sub I</td>
<td>4 wks</td>
<td>1</td>
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</table>
|             | *Course Director, Kathy Witzeman, MD.* 303-602-9725. Course Coordinator, Rochelle Cassell, 303-724-2031.  
  “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. |

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<th>Course Code</th>
<th>Course Title</th>
<th>Duration</th>
<th>Max.</th>
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<tbody>
<tr>
<td>OBGY 8002</td>
<td>Directed Study in OBGYN</td>
<td>4 or 8 wks</td>
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</table>
|             | *Course Director, Kristina Tocce, MD.* 303-724-2044. Course Coordinator, Rochelle Cassell, 303-724-2031.  
  Prerequisites: Must have approval from specific faculty involved and from Course Director to register.  
  Students may obtain detailed and intensive directed study with specific faculty members. Opportunities such as clinical research projects, laboratory projects, directed literature reviews, and special clinical rotations are available. |

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<th>Course Code</th>
<th>Course Title</th>
<th>Duration</th>
<th>Max.</th>
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<tbody>
<tr>
<td>OBGY 8004</td>
<td>High Risk Maternal/Fetal</td>
<td>4 wks</td>
<td>1</td>
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</tbody>
</table>
|             | *Course Director, Kristina Tocce, MD.* 303-724-2031.  
  “This Sub-I course meets the UC SOM requirement for graduation.”  
  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. |

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<th>Course Code</th>
<th>Course Title</th>
<th>Duration</th>
<th>Max.</th>
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<tbody>
<tr>
<td>OBGY 8005</td>
<td>Gynecologic Oncology</td>
<td>4 wks</td>
<td>1</td>
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</table>
|             | *Course Director, Julia Embry.* 303-724-2031.  
  “This Sub-I course meets the UC SOM requirement for graduation.”  
  Student will attend GYN oncology clinics and scrub on all GYN oncology surgery, functioning as acting intern. Literature review and talk on selected subject required. There will be an oral exam at the end of rotation. Clinical research opportunities are available. |
### OBGY 8009 GYN Subspecialties

**Course Director:** Kristina Tocce, MD. **Course Coordinator:** Rochelle Cassell, 303-724-2031.

**Prerequisites:**
- Department approval must be obtained and then approval by Associate Dean for Student Affairs. These must be completed at least one month in advance of start.
- Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.

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

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

Duration: **4 wks**

Max: 1

### OBGY 8010 Reproductive/Infertility

**Course Director:** Ruben Alvero, MD. **Course Coordinator:** Rochelle Cassell, 303-724-2031.

**Prerequisites:**
- Department approval must be obtained and then approval by Associate Dean for Student Affairs. These must be completed at least one month in advance of start.
- Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.

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

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.

Duration: **4 wks**

Max: 1

### OBGY 8011 Family Planning

**Course Director:** Kristina Tocce, MD. **Course Coordinator:** Rochelle Cassell, 303-724-2031.

**Prerequisites:**
- Department approval must be obtained and then approval by Associate Dean for Student Affairs. These must be completed at least one month in advance of start.
- Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.

This elective is designed to allow students to become integrally involved with the general gynecology service. Students will partake in all clinical activities of the service, including operative procedures, management of inpatient gynecology conditions, and emergency room consultation.

Duration: **4 wks**

Max: 1

### OBGY 8012 UH Gyn Sub-Internship

**Course Director:** Kristina Tocce, MD. **Course Coordinator:** Rochelle Cassell, 303-724-2031.

**Prerequisites:**
- Department approval must be obtained and then approval by Associate Dean for Student Affairs. These must be completed at least one month in advance of start.
- Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.

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

Duration: **4 wks**

Max: 1

### OBGY 8100 OBGY Elective Away

**Course Director:** Kristina Tocce, MD. **Course Coordinator:** Rochelle Cassell, 303-724-2031.

**Prerequisites:**
- Department approval must be obtained and then approval by Associate Dean for Student Affairs. These must be completed at least one month in advance of start.
- Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.

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

Duration: **2 or 4 wks**

### OBGY 8600 Research in OBGYN

**Course Director:** Kristine Tocce, MD. **Course Coordinator:** Rochelle Cassell, 303-724-2031.

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

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

Duration: **2, 4, 8, or 12 wks**

### OPHTALMOLOGY ELECTIVES

### OPHT 8000 Ophthalmology

**Course Director:** Eric Hink, MD. **Course Coordinator:** Regula Randolph, 720-848-5029.

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, conferences.

Duration: **2 or 4 wks**

Max: 1

### OPHT 8100 OPHT Elective Away

**Course Director:** Eric Hink, MD. **Course Coordinator:** Regula Randolph, 720-848-5029.

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

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

Duration: **2 or 4 wks**

### OPHT 8600 Research Ophthalmology

**Course Director:** Eric Hink, MD. **Course Coordinator:** Regula Randolph, 720-848-5029.

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

A final written evaluation must be mailed to Course Director who will assign the final grade.
**ORTH 8630  OPHT Research Away**  
2, 4, or 8 wks

Course Director, Eric Hink, MD. Course Coordinator, Regula Randolph, 720-848-5029.
Prerequisites: Department approval must be obtained and then approval by Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

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

## ORTHOPEDIC ELECTIVES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Duration</th>
<th>Semester</th>
<th>Max:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORTH 8000</td>
<td>Orthopaedic Surgery</td>
<td>4 wks</td>
<td>Summer, Fall</td>
<td>8</td>
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<tr>
<td>ORTH 8001</td>
<td>Orthopaedic Primary Care</td>
<td>2 or 4 wks</td>
<td>Spring Sem.</td>
<td>2</td>
</tr>
<tr>
<td>ORTH 8005</td>
<td>Sports Medicine</td>
<td>4 wks</td>
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</tr>
<tr>
<td>ORTH 8100</td>
<td>ORTH Elective Away</td>
<td>2 or 4 wks</td>
<td></td>
<td>10</td>
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<tr>
<td>ORTH 8600</td>
<td>Research in Orthopedics</td>
<td>4, 8, or 12 wks</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>ORTH 8630</td>
<td>ORTH Research Away</td>
<td>2, 4, or 8 wks</td>
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## OTOLARYNGOLOGY ELECTIVES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Duration</th>
<th>Max:</th>
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</thead>
<tbody>
<tr>
<td>OTL 8000</td>
<td>Clinical Otolaryngology</td>
<td>2 or 4 wks</td>
<td>3</td>
</tr>
<tr>
<td>OTL 8100</td>
<td>OTOL Elective Away</td>
<td>2 or 4 wks</td>
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</tbody>
</table>
OTOL 8600 Research Otolaryngology 4, 8 or 12 wks
Course Director, Katie Rennie, PhD. Course Coordinator, Tanya Reesman, 303-724-1965.
Prerequisites: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.
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.

OTOL 8630 OTOL Research Away 2, 4, or 8 wks
Course Director, Katie Rennie, PhD. Course Coordinator, Tanya Reesman, 303-724-1965.
Prerequisite: Departmental approval must be obtained and then approved by the Associate Dean for Student Affairs. These must be completed at least one month in advance of the start.
This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

PATHOLOGY ELECTIVES

PATH 8000 Pathology 4, 8, or 12 wks Max: 2
Course Directors, Robert Low, MD and Phillip Boyer, MD, PhD. Course Coordinator, Gretchen Amend, 303-724-3905.
Optimal rotation schedule is based on student’s interests. Student usually rotates on Anatomic Pathology (AT) services (surgical cyto-, autopsy, and pediatric pathology). Subspecialty rotations in AP (hemato-, neuro-, renal, urologic, GI, pulmonary, and molecular pathology) or Clinical Pathology (CP) (clinical chemistry, microbiology, coagulation, transf).

PATH 8001 Laboratory Medicine (INACTIVE END SPRING 2013 – SEE NEW COURSE IDPT 8030) 4 wks Fall Sem

PATH 8100 PATH Elective Away 2 or 4 wks
Course Director, Robert Low, MD. Course Coordinator, Gretchen Amend, 303-724-3905.
Prerequisites: Departmental approval must be obtained and then approval by Associate Dean for Student Affairs. These must be completed at least one month in advance of start.
This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

PATH 8600 Research in Pathology 2, 4, 8, or 12 wks
Course Director, Robert Low, MD. Course Coordinator, Gretchen Amend, 303-724-3905.
Prerequisites: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.
The student will rotate in a Department of Pathology laboratory or with faculty member with ongoing research relevant to student’s clinical or long-term academic interests. Rotation can be in a basic science laboratory or focused on a clinical research topic of interest.

Path 8630 PATH Research Away 2, 4, or 8 wks
Course Director, Robert Low, MD. Course Coordinator, Gretchen Amend, 303-724-3905.
Prerequisite: Departmental approval must be obtained and then approved by the Associate Dean for Student Affairs. These must be completed at least one month in advance of the start.
This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

PEDIATRIC ELECTIVES

Peds 8000 Pediatric Subinternship 4 wks Max: 4
Course Director, Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804.
“This Sub-I course meets the UC SOM requirement for graduation.” Designed for those students interested in further training in pediatrics. Students will function as an intern and are responsible for the admission, evaluation, and continuing care of patients. Sub-internships are offered at Children’s Hospital and Denver Health.

Peds 8004 Pediatric Cardiology 4 wks Max: 1
Course Directors, Michael Schaffer, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804.
The student will make rounds with the cardiology team, see consults, attend outpatient clinics, and participate in cardiac catheterization and conferences. Evaluation of children with heart diseases by history, physical examination, ECG, x-ray, echocardiography, and cardiac catheterization are stressed.
PEDS 8006  Immunology and Allergy  4 wks  Max: 2
Course Directors, Dan Atkins, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804.
Students participate in the care of outpatients at National Jewish, attend lectures, rounds and conferences. Opportunities provided to observe laboratory procedures in immunology and pulmonary physiology laboratories.

PEDS 8007  Child Abuse and Neglect  4 wks  Max: 1
Course Directors, Andrew Sirotnak, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804.
Students learn about basic principles of child abuse and neglect. The participate in team evaluations of outpatient and inpatient child abuse cases and attend court. Held at Children's Hospital and the Kempe Center. Primarily observational and includes independent study.

PEDS 8008  Birth Defects/Genetics  4 wks  Max: 1
Course Directors, Margarita Saenz, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804.
Rotation includes experience in the general genetics, inherited metabolic diseases, muscle, neurocutaneous and outreach clinics. Students will participate in diagnosis, pedigree assessment and management, complete consultations with faculty, attend conferences, and visit laboratories.

PEDS 8009  Peds Infectious Disease  4 wks  Max: 1
Course Directors, Mary Glode, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804.
This course provides experience in the pathophysiology, diagnosis, and therapy of childhood infections. Students evaluate in-patients and present cases at daily teaching rounds. Experience in the diagnostic Microbiology laboratory is provided. There is a weekly HIV/infectious diseases clinic.

PEDS 8011  Peds Pulmonary Disease  4 wks  Max: 1
Course Directors, Monica Federico, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804.
Basic background knowledge in pediatric pulmonary physiology and disease will be provided. The student will attend rounds, clinics, and weekly conferences and participate in hospital consultations. Students will be expected to present a case discussion on a pediatric pulmonary topic.

PEDS 8012  Pediatric Neurology  4 wks  Max: 1
Course Directors, Julie Parsons, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804.
Child Neurology provides students with the opportunity to gain experience evaluating children with a wide variety of neurological problems. Students will round on hospital and clinic patients, complete assigned readings and attend Neurology grand rounds.

PEDS 8013  Pediatric Endocrinology  4 wks  Max: 1
Course Directors, Christian Chan, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804.
This course offers experience in a busy, urban ambulatory pediatrics clinic at Children's Hospital. Students will learn about abnormalities of growth and sexual development, thyroid disorders, and diabetes mellitus are evaluated and treated. Extended diagnostic testing and management are conducted on ward rounds, in endocrine and diabetes clinic, and in clinical research clinics.

PEDS 8015  Peds Neonatology Sub I  4 wks  Max: 3
Course Directors, Elizabeth Thilo, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804.
"This Sub-I course meets the UC SOM requirement for graduation."
Student actively participates in the care of critically ill infants including work rounds, attending rounds, conferences and night call. Experience will be gained in procedures and ventilator management. Students are assigned to University Hospital, Denver Health, or Children's Hospital.

PEDS 8017  Ped Emergency Med DHMC  (CANCELLED-SEE EMED 8017)

PEDS 8018  General Academic Peds  4 wks  Max: 1
Course Directors, David Fox, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804.
This course offers experience in a busy, urban ambulatory pediatrics clinic at Children’s Hospital. Students will learn about assessment and treatment of general pediatric illnesses and normal development and be trained in techniques for offering anticipatory guidance.

PEDS 8020  Adolescent Medicine  4 wks  Fall, Spring  Max: 1
Course Directors, Paritosh Kaul, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804.
Restrictions: This course is not offered in the summer while school-based clinics are out of session.
This elective provides basic knowledge and clinical skills in diagnosis and management of medical problems during adolescence, including development of skills in interviewing and counseling adolescents in various health care settings.

PEDS 8022  Peds Gastroenterology  4 wks  Max: 1
Course Directors, Edward Hoffenberg, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804.
Restrictions: not available section 9.
This rotation is designed for students with a specific interest in pediatrics and/or gastroenterology. Students participate in pediatric gastroenterology inpatient and outpatient services, procedures and scheduled conferences.
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Max.</th>
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</thead>
<tbody>
<tr>
<td>PEDS 8024</td>
<td>Child Development/Behav.</td>
<td>2 or 4 wks</td>
<td>1</td>
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<tr>
<td></td>
<td>Course Directors, Ann Reynolds, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804. 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. Primarily observational.</td>
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<tr>
<td>PEDS 8025</td>
<td>Peds Emergency Medicine</td>
<td>4 wks</td>
<td>1</td>
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<td></td>
<td>Course Directors, Kelley Roswell, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804. Restrictions: Experience at Children's Hospital Colorado. Prerequisites: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start. Students may be additional requirements for these.</td>
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<tr>
<td>PEDS 8026</td>
<td>Pediatric Nephrology</td>
<td>4 wks</td>
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<td>Course Directors, Gary Lum, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804. Students will actively participate in the care and evaluation of patients with common pediatric renal conditions such as hematuria, proteinuria, electrolyte disturbances, chronic renal insufficiency, hypertension, hemodialysis, peritoneal dialysis, and renal transplantation.</td>
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<tr>
<td>PEDS 8027</td>
<td>Pediatric Intensive Care</td>
<td>4 wks</td>
<td>1</td>
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<td>Course Directors, Emily Dobyns, MD, 303-724-2387 and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804. This Sub-I course meets the UC SOM requirement for graduation. The student assumes responsibility for the care of critically ill children and will learn pathophysiology of critical illness, enhance skills in reporting and interpreting clinical data, and gain experience in the diagnosis and therapy of a broad spectrum of illnesses.</td>
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<tr>
<td>PEDS 8029</td>
<td>Breastfeeding Management</td>
<td>2 wks</td>
<td>2</td>
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<td>Course Directors, Nancy Krebs, MD, MS and Maya Bunik, MD, 720-777-4806. Course Coordinator, Laura Primak, RD, CNSC, 303-506-5228. Prerequisites: Contact Dr. Maya Bunik and Laura Primak 2 weeks prior to start <a href="mailto:Laura_Primak@uchsc.edu">Laura_Primak@uchsc.edu</a>. 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.</td>
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<tr>
<td>PEDS 8030</td>
<td>Vaccination in Pediatrics</td>
<td>4 wks</td>
<td>2</td>
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<td>Course Director, Robert Brayden, MD, Course Coordinator, Michael Baca, 720-777-4804. 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.</td>
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<tr>
<td>PEDS 8031</td>
<td>Pediatric Hem/Onc</td>
<td>4 wks</td>
<td>1</td>
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<td>Course Directors, Timothy Garrington, MD, Brian Greffe, MD, Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804. Provides a good overview of pediatric, hematology and oncology and exposures to a wide variety of diagnostic and therapeutic problems. Students participate in educational sessions, outpatient clinics add inpatient management.</td>
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<tr>
<td>PEDS 8100</td>
<td>PEDS Elective Away</td>
<td>2 or 4 wks</td>
<td>50</td>
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<td></td>
<td>Course Director, Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804. Prerequisites: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start. Restriction: Sections 49-50 not available. This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.</td>
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<tr>
<td>PEDS 8600</td>
<td>Research in Pediatrics</td>
<td>2, 4, 8, or 12 wks</td>
<td>49</td>
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<tr>
<td></td>
<td>Course Director, Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804. Prerequisites: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean of Student Affairs. Restrictions: Sections 49-50 not available. This course provides an opportunity for students to participate in clinical or basic science research. The student must identify a research project and mentor and receive approval the course director. Course is graded on a pass/fail basis only.</td>
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<tr>
<td>PEDS 8630</td>
<td>PEDS Research Away</td>
<td>2, 4, or 8 wks</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>Course Director, Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804. Prerequisites: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start. Restriction: Sections 49-50 not available. This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and here may be additional requirements for these.</td>
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### PHYSICAL MEDICINE AND REHABILITATION ELECTIVES

**PHMD 8000  Physical Med & Rehab**

4 wks  Max: 4

Course Director, Matthew Godleski, MD. Course Coordinator, Mallory Pridy, BS, 303-724-7408.

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

**PHMD 8100  PHMD Elective Away**

2 or 4 wks

Course Director, Matthew Godleski, MD. Course Coordinator, Mallory Pridy, BS, 303-724-7408.

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

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

**PHMD 8600  Research Physical Med**

2, 4, 8, or 12 wks

Course Director, Matthew Godleski, MD. Course Coordinator, Mallory Pridy, BS, 303-724-7408.

Prerequisites: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs. Written evaluation must be sent by individual instructor, with course director responsible for final grade.

**PHMD 8630  PHMD Research Away**

2, 4, or 8 wks

Course Director, Matthew Godleski, MD, 720-848-7924. Course Coordinator, Mallory Pridy, BS, 303-724-7408.

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

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

### PREVENTIVE MEDICINE ELECTIVES

**PRMD 8003  Specialty Preventive Med**

4 or 8 wks  Max: 4

Course Director, Tim Byers, MD, MPH, 303-724-1283.

Prerequisite: Course Director approval required to add course.

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

**PRMD 8006  Dir Study Ethics/Humanit**

2, 4, or 8 wks

Course Director, Jacqueline Glover, Ph.D., 303-724-3992.

Prerequisites: Course Director Approval Required to add course.

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

**PRMD 8100  PRMD Elective Away**

2 or 4 wks

Course Director, Tim Byers, MD, MPH, 303-724-1283.

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

Restrictions: Not available sections 49-50.

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

**PRMD 8600  Research Preventive Med**

2, 4, 8, or 12 wks

Course Director, Tim Byers, MD, MPH, 303-724-1283.

Prerequisites: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. Designed for students interested in preventive medicine research. Tailored research experiences in the Denver area can be established in a variety of settings. Speak with the course director to design this elective.

**PRMD 8630  PRMD Research Away**

2, 4, or 8 wks

Course Director, Tim Byers, MD, M.P.H., 303-724-1283.

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

This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Duration</th>
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<tr>
<td>PSYM 8000</td>
<td>Sub-in Adult PSYM</td>
<td>4 wks</td>
<td>Max: 3</td>
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<tr>
<td></td>
<td>Course Director, Robert Davies, MD.</td>
<td></td>
<td>Lesley <a href="mailto:Lundeen@ucdenver.edu">Lundeen@ucdenver.edu</a></td>
</tr>
<tr>
<td>Restrictions: This is a rigorous and challenging rotation which will help prepare students for management of ill psychiatric patients no matter their career choice. Students considering psychiatry as a career should take a required sub-internship in medicine, family medicine, pediatrics or surgery. Students in conjunction with the office of psychiatry medical student education, choose to work with patients on an inpatient psychiatry ward, outpatient clinic or other psychiatry units as a member of a treatment team.</td>
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<tr>
<td>PSYM 8001</td>
<td>“Big Six” Substance Prob</td>
<td>2 or 4 wks</td>
<td>Max: 2</td>
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<tr>
<td></td>
<td>Course Director, Paula Riggs, MD.</td>
<td></td>
<td>Lesley <a href="mailto:Lundeen@ucdenver.edu">Lundeen@ucdenver.edu</a></td>
</tr>
<tr>
<td>Prerequisites: Course Director approval required to add course. In treatment programs, experts tutorials, and readings, students learn approaches to 6 common primary-care substance problems, such as addiction in pain disorders, pregnancy, smoking with tobacco-induced illness, and substance involved adolescents. Students write a paper on the 6 clinical problems.</td>
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<tr>
<td>PSYM 8003</td>
<td>Elective in Psychiatry</td>
<td>2, 4, or 8 wks</td>
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<tr>
<td></td>
<td>Course Director, Robert Davies, MD.</td>
<td></td>
<td>Lesley <a href="mailto:Lundeen@ucdenver.edu">Lundeen@ucdenver.edu</a></td>
</tr>
<tr>
<td>Prerequisite: Contact coordinator to confirm availability. Students in conjunction with the office of psychiatry medical student education, choose to work with patients on an inpatient psychiatry ward, outpatient clinic or other psychiatry units as a member of a treatment team.</td>
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<tr>
<td>PSYM 8004</td>
<td>Sub-I/Child &amp; Adlsnt PSYM</td>
<td>4 wks</td>
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<td>Course Director, Robert Davies, MD.</td>
<td></td>
<td>Lesley <a href="mailto:Lundeen@ucdenver.edu">Lundeen@ucdenver.edu</a></td>
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<td>Prerequisite: Contact coordinator to confirm availability. Evaluate and manage adolescents with psychiatric disorders. Students will be members of multidisciplinary team learning about psychopathology, psychopharmacology, psychotherapy, family therapy, and other treatment modalities. Students will learn about systems of care.</td>
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<tr>
<td>PSYM 8005</td>
<td>Clinical PSYM Geriatric</td>
<td>4 wks</td>
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<td>Course Director, Robert Davies, MD.</td>
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<td>Lesley <a href="mailto:Lundeen@ucdenver.edu">Lundeen@ucdenver.edu</a></td>
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<tr>
<td>Prerequisite: Contact coordinator to confirm availability. Evaluate and help manage geriatric patients with psychiatric illness. Students will serve as part of the inpatient geropsychiatric team and will be responsible for 2-3 inpatients under the supervision of attendings, residents and fellows.</td>
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<td>PSYM 8006</td>
<td>Clinical PSYM C/L</td>
<td>4 wks</td>
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<td>Course Director, Robert Davies, MD.</td>
<td></td>
<td>Lesley <a href="mailto:Lundeen@ucdenver.edu">Lundeen@ucdenver.edu</a></td>
</tr>
<tr>
<td>Prerequisite: Contact coordinator to confirm availability. Consultation-Liaison Psychiatry a unique discipline within the field of psychiatry which combines knowledge of medical illnesses, psychotherapy and psychopharmacology with an ability to forge liaisons within the medical community. Evaluate and help manage patients with psychiatric disorders within medical settings.</td>
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<tr>
<td>PSYM 8007</td>
<td>Clinical PSYM Emer Srvs</td>
<td>4 wks</td>
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<td>Course Director, Robert Davies, MD.</td>
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<td>Lesley <a href="mailto:Lundeen@ucdenver.edu">Lundeen@ucdenver.edu</a></td>
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<tr>
<td>Prerequisite: Contact coordinator to confirm availability. Learn the essentials of identification, assessment, and treatment of patients with substance use disorders. Emphasis on screening and brief intervention techniques. Learn principles of detoxification for alcohol, opioids, and cocaine; interpretation of drug testing results; proper prescribing practices.</td>
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<tr>
<td>PSYM 8008</td>
<td>Clinical PSYM Forensic</td>
<td>4 wks</td>
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<td>Course Director, Robert Davies, MD.</td>
<td></td>
<td>Lesley <a href="mailto:Lundeen@ucdenver.edu">Lundeen@ucdenver.edu</a></td>
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<tr>
<td>Prerequisite: Contact coordinator to confirm availability. Introduction to the interface of criminal law and psychiatry. Students will involve in the evaluation of people entering pleas of incompetency to stand trial by reason of insanity as well as the treatment and restoration process.</td>
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<tr>
<td>PSYM 8009</td>
<td>Clinical PSYM Addiction</td>
<td>4 wks</td>
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<td>Course Director, Robert Davies, MD.</td>
<td></td>
<td>Lesley <a href="mailto:Lundeen@ucdenver.edu">Lundeen@ucdenver.edu</a></td>
</tr>
<tr>
<td>Prerequisite: Contact coordinator to confirm availability. Learn the essentials of identification, assessment, and treatment of patients with substance use disorders. Emphasis on screening and brief intervention techniques. Learn principles of detoxification for alcohol, opioids, cocaine, interpretation of drug testing results, proper prescribing practices.</td>
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<tr>
<td>PSYM 8010</td>
<td>Clin PSYM Eating Disords</td>
<td>4 wks</td>
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<td></td>
<td>Course Director, Robert Davies, MD.</td>
<td></td>
<td>Lesley <a href="mailto:Lundeen@ucdenver.edu">Lundeen@ucdenver.edu</a></td>
</tr>
<tr>
<td>Prerequisite: Contact coordinator to confirm availability. Evaluate and manage patients with eating disorders under the direction of fellows and attendings. Student will gain specific knowledge of classification, epidemiology, etiology, physiology, and treatment of eating disorders.</td>
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**RADIOLOGY ELECTIVES**

**PSYM 8100  PSYM Elective Away**

2 or 4 wks  
Course Director, Robert Davies, MD. Course Coordinator, Lesley.Lundeen@ucdenver.edu.  
Prerequisites: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.  
This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

**PSYM 8600  Research in Psychiatry**

2, 4, 8, or 12 wks  
Course Directors, Michael Weissberg, MD and Sharon Hunter, PhD. Course Coordinator, Lesley.Lundeen@ucdenver.edu.  
Prerequisites: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.  
Research electives in various areas of Psychiatry. Contact Randy Ross, MD or Sharon Hunter, PhD for menu of research options.

**PSYM 8630  PSYM Research Away**

2, 4, or 8 wks  
Course Directors, Michael Weissberg, MD and Sharon Hunter, PhD. Course Coordinator, Lesley.Lundeen@ucdenver.edu.  
All non-Psychiatry Scholars Program students will be graded as Pass/Fail.  
This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

**RADI 8000  Diagnostic Radiology**

4 wks  Max: 5  
Course Director, James Davidson, Jr, MD. Course Coordinator, Roberta Wilcox, 303-724-1981.  
Restrictions: Course not available sections 29 and 33.  
An introduction to the interpretation of images and the role of diagnostic imaging in patient care. Clinical observation, lectures, and independent study at UH/AOP. Only 2 days of absence permitted for any reason.

**RADI 8002  Nuclear Medicine**

4 wks  Max: 2  
Course Director, Phillip Koo, MD, 303-848-1213. Course Coordinator, Roberta Wilcox, 303-724-1981.  
Restrictions: Course not available sections 29 and 33.  
Nuclear Medicine encompasses the various uses of radioactive compounds in medical diagnosis and therapy. Students participate in the supervision and interpretation of nuclear medicine procedures under the guidance of the staff/residents at the AOP. Students will attend daily conferences. Standard student evaluation used.

**RADI 8007  Interventional Radiology**

2 or 4 wks  Max: 1  
Restrictions: 2 week course offered Jan–April only. 2 students for 4-week course (May-Dec): 1 student for 2-week course and 1 student for 4-week course (Jan-April). Course not offered during sections 45-48 for the 2012-2013 year.  
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.

**RADI 8100  RADI Elective Away**

2 or 4 wks  
Prerequisites: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start. The rotation is not a formal course given at another medical school/hospital, the student must also provide a description of duties/responsibilities to be performed during the rotation.  
Restrictions: Not available sections 49-50.  
This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

**RADI 8600  Research in Radiology**

2, 4, 8, or 12 wks  
Course Director, Kimi Kondo, DO, 720-848-6568. Course Coordinator, Roberta Wilcox, 303-724-1981.  
Prerequisites: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.  
Student is responsible for obtaining written evaluation. 2 week rotation not Honors eligible.

**RADI 8630  RADI Research Away**

2, 4, or 8 wks  
Course Director, Kimi Kondo, DO, 720-848-6568. Course Coordinator, Roberta Wilcox, 303-724-1981.  
Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.  
This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.
RADIATION ONCOLOGY ELECTIVES

RAON 8005  Radiation Oncology  4 or 8 wks  Max: 2
Course Director, Christine Fisher, 720-848-0141. Course Coordinator, Tisha Broyles, 720-848-0116.

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.

RAON 8100  RAON Elective Away  2 or 4 wks
Course Director, Christine Fisher, 720-848-0141. Course Coordinator, Tisha Broyles, 720-848-0116.
Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

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

RAON 8600  Research RAD Oncology  4, 8, or 12 wks
Course Director, Christine Fisher, 720-848-0141. Course Coordinator, Tisha Broyles, 720-848-0116.
Prerequisites: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean of Student Affairs.

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

RAON 8630  RAON Research Away  2, 4, or 8 wks
Course Director, Christine Fisher, 720-848-0141. Course Coordinator, Tisha Broyles, 720-848-0116.
Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start.

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

SURGERY ELECTIVES

SURG 8000  Gen Surg Sub I Univ Hosp  4 wks  Max: 4
Course Director, Thomas A. Whitehill, MD. Course Coordinator, Mary Kay Anderson, 303-724-2681.

“This Sub-I course meets the UC SOM requirement for graduation.”

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.

SURG 8001  Gen Surg Sub I DHMC  4 wks  Max: 3
Course Director, Carlton Barnett, MD Course Coordinator, Ron Fresquez, 303-436-6575.

“This Sub-I course meets the UC SOM requirement for graduation.”
Prerequisite: Course director approval required to add this course. A mentor will be required.

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

SURG 8002  Gen Surg Sub I St Joseph  4 wks  Max: 2
Course Director, G. Edward Kimm, MD. Course Coordinator, Laurie Cooper, 303-837-7295.

“This Sub-I course meets the UC SOM requirement for graduation.”

Held at St. Joseph Hospital with emergency & elective surgery. Emphasize pre- and postoperative care. Graduated operating room experience and exposure to skills lab. Active participation in Caritas Surgery Clinic. Housestaff team assignments (Blue Surgery service.) Active daily conferences, including Grand Rounds, M and M, and Tumor Board.

SURG 8008  Cardiothoracic Surg Sub  4 wks  Max: 2
Course Director, David Fullerton, MD Course Coordinator, Karen Muth, 303-724-2798.

“This Sub-I course meets the UC SOM requirement for graduation.”

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.

SURG 8010  Burn Critical Care/Surg  4 wks  Max: 1
Course Director, Gordon K. Lindberg, M.D, PhD. Course Coordinator, Robin Miller, 303-724-2727.

Acting sub-intern on Burn Service, working with Burn and related Surgical Critical Care cases. A high level of patient care responsibility, including bedside procedures, burn care and line charges. Work with attending faculty, and gain a multidisciplinary approach to burns.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Duration</th>
<th>Max:</th>
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<tbody>
<tr>
<td>SURG 8011</td>
<td>Hand Surgery</td>
<td>4 wks</td>
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<td>Course Director, Mickey Gordon, MD.</td>
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<td>Course Coordinator, Bretlyn Davis.</td>
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<td>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.</td>
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<td>SURG 8012</td>
<td>Urology Subinternship</td>
<td>4 wks</td>
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<td>Course Director, Jane Petersen, MD.</td>
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<td>Course Coordinator, Kathy Politis.</td>
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<td>“This Sub-I course meets the UC SOM requirement for graduation.”</td>
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<td>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.</td>
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<td>SURG 8015</td>
<td>Pediatric Surgery</td>
<td>2 or 4 wks</td>
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<td>Course Director, Frederick Karrer, MD.</td>
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<td>Course Coordinator, Sandra Floyd.</td>
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<td>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.</td>
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<td>SURG 8019</td>
<td>Plastic Surgery</td>
<td>4 wks</td>
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<td>Course Director, Mickey Gordon, MD.</td>
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<td>Course Coordinator, Bretlyn Davis.</td>
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<td>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.</td>
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<td>SURG 8020</td>
<td>Vascular Surg Research</td>
<td>4, 8, or 12 wks</td>
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<td>Course Director, Mark Nehler, MD.</td>
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<td>Course Coordinator, Mary Kay Anderson, MD.</td>
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<td>Students work in Vascular Diagnostic Laboratory to learn problems of vascular surgical research, tests used, and test interpretations. Responsible for at least one research project, either an original investigation or as part of an ongoing investigation.</td>
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<td>SURG 8021</td>
<td>Surgical Critical Care</td>
<td>4 wks</td>
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<td>Course Director, Carlton Barnett, MD.</td>
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<td>Course Coordinator, Ron Fresquez.</td>
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<td>“This Sub-I course meets the UC SOM requirement for graduation.”</td>
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<td>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.</td>
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<td>SURG 8030</td>
<td>Clinical Transplantation</td>
<td>2 or 4 wks</td>
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<td>Course Director, Michael Wachs, MD.</td>
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<td>Course Coordinator, Bretlyn Davis.</td>
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<td>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.</td>
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<td>SURG 8100</td>
<td>SURG Elective Away</td>
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<td>SURG 8600</td>
<td>Research in Surgery</td>
<td>2, 4, 8, or 12 wks</td>
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<td>Course Director, Thomas A. Whitehill, MD.</td>
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<td>Course Coordinator, Mary Kay Anderson, MD.</td>
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<td>Prerequisites: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs. Restrictions: Not available Sections 49-50. This surgery elective will be held at a site in Colorado or another state. Students must obtain departmental approval one month prior to start.</td>
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<td>SURG 8630</td>
<td>SURG Research Away</td>
<td>2, 4, or 8 wks</td>
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<td>Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be completed at least one month in advance of start. Restrictions: Sections 49-50 not available. This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.</td>
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