SCHOOL OF MEDICINE

PHASE I – REQUIRED CURRICULUM FALL SEMESTER 2012

IDPT 5000 Foundations Doctoring I 2.0 cr.
Course Director, Wendy Madigosky, MD 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 7.0 cr.
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 ad radiological images. Case discussions are integrated with clinically related anatomy and physical exam content.

IDPT 5002 Molecules to Medicine 8.0 cr.
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 0.5 cr.
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 1.0 cr.
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 2013

IDPT 5000 Foundations Doctoring I 2.0 cr./sem.
Course is a continuation of the fall semester course.

IDPT 5003 Blood and Lymph 4.0 cr.
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 5.0 cr.
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 9.5 cr.
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 1.0 cr.
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 1.0 cr.
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 interprofessional approaches to health care decision making.
IDPT 6000  Foundations Doctoring II  2.0 cr./sem.
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 6001  Nervous System  7.5 cr.
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  9.5 cr.
Course Directors, Robin Michaels, PhD, 303-724-3402, 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  1.0 cr.
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.

PRMD 6000  Ethics Hlth Profession 2  1.0 cr.
Course Co-Directors, Jackie Glover, PhD, 303-724-3992 and Tess Jones, PhD, 303-724-3995.
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 interprofessional approaches to health care decision making.

PHASE II – REQUIRED CURRICULUM FALL SEMESTER 2012

IDPT 6000  Foundations Doctoring II  2.0 cr./sem.
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  5.0 cr.
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  4.5 cr.
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  1.0 cr.
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.

PHASE II – REQUIRED CURRICULUM FOR SPRING SEMESTER 2013

IDPT 6000  Foundations Doctoring II  2.0 cr./sem.
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.
DERMATOLOGY ELECTIVE

**DERM 6660 Career Elective in DERM**
All terms 1.0 crs
Course Director, Cory Dunnick, MD. Course Coordinator, Elisabeth Levy, 720-848-0597.

**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, Kelly Bookman, MD and Barbara Blok 720-848-6777. Course Coordinator, Cathy Maciel, 720-848-6767.

**Course Restrictions:** Must attend field day with Rocky Mountain Rescue in Boulder.
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 Director, Christopher B. Colwell, MD, 303-436-6966.

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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester(s)</th>
<th>Credits</th>
<th>Min:</th>
<th>Max:</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMM 6622</td>
<td>Intro FMMD Research</td>
<td>Summer</td>
<td>Var.</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

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.

| FMM 6624    | Healthcare Poor/Homeless                        | Fall and Spring | 1.0     |      |      |

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.

| FMM 6628    | Rural Track Elective                            | Fall and Spring | 1.0     |      |      |

Course Director, Mark Deutchman, MD Course Coordinator, Brenda Baumgarten, 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.

| FMM 6629    | SABES Spanish Immersion – Course number change | Summer        | 4.0     |      |      |

Course Director, Allan Prochazka, MD. Course Coordinator, Katie Watts, 303-724-7731.

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.

| FMM 6630    | Summer Rural Track                              | Summer        | 8.0     | 1    | 26   |

Course Director, Mark Deutchman, MD, 303-724-9753. Course Coordinator, Brenda Baumgarten, 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 FMM 6628.

**INTERDEPARTMENTAL ELECTIVES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester(s)</th>
<th>Credits</th>
<th>Min:</th>
<th>Max:</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDPT 5091</td>
<td>MSA Summer Elective</td>
<td>Summer</td>
<td>4.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Course Director, Alli 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 | 1.0     |      |      |

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 | 1.0     |      |      |

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       | 1.0     | Min:6 | Max:30 |

Course Director, Tim Byers, MD, MPH. Course Coordinator, Nathan Ansbaugh, MPH, 303-818-4765.

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       | 1.0     |      |      |

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 either learning about topics such as analyzing a healthcare problem, identification of “stakeholders” in the QI process, barriers to effective change.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
<th>Credits</th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDPT 6616</td>
<td>Health Promotion I</td>
<td>Spring sem.</td>
<td>1.0 cr</td>
<td>Min:5 Max:30</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IDPT 6623</td>
<td>Refugee Health I</td>
<td>Spring sem.</td>
<td>1.0 cr</td>
<td>Min:5 Max:25</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IDPT 6627</td>
<td>Directed Study Basic Sci</td>
<td>All sems.</td>
<td>Var. cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IDPT 6628</td>
<td>Nutrition and Cancer</td>
<td>Spring sem.</td>
<td>1.0 cr</td>
<td>Max: 30/Min: 8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, TBD. Course Coordinator, TBD.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IDPT 6629</td>
<td>SABES Spanish Immersion</td>
<td>Fall and Spring sems.</td>
<td>1.0 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IDPT 6634</td>
<td>Maternity Matching</td>
<td>Fall and Spring sem.</td>
<td>1.0 cr per term</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, Sarah Appleton, MD, 303-724-2038</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course requirements: A two-semester course, students must complete fall and spring semesters. A two-semester course. Students observe the continuity of care for a pregnant woman and get exposure to those issues surrounding pregnancy. Goal is to improve the knowledge about the stages of pregnancy and patient education.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IDPT 6636</td>
<td>Summer Preceptor Exp</td>
<td>Summer sem.</td>
<td>1.0 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, Wendy Madigorsky, 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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IDPT 6637</td>
<td>LEADS 1</td>
<td>Spring sem.</td>
<td>2.0 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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 Mells, 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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IDPT 6639</td>
<td>Hlth Care-Public Policy</td>
<td>Fall and Spr sem.</td>
<td>1.0 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IDPT 6642</td>
<td>Intro to Women’s Health</td>
<td>Fall sem.</td>
<td>1.0 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, Sonya Erickson, MD Course Coordinator, Melissa Lorenzo, 303-724-2038. Prerequisite: Course Director Approval required to add course. The first in a series, this elective will introduce participants to Women’s Health as a field of study and clinical care. Assigned reading will frame discussions devoted to gender-based public health issues, women as research subjects, gender and communication.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
IDPT 6643 \textbf{Women's Primary Care} \hfill Spring sem. \hfill 1.0 cr. \hfill Min: 5/Max: 8

Course Director, Sonya Erickson, MD, Course Coordinator, Melissa Lorenzo, 303-724-2038.  
\textbf{Prerequisite:} IDPT 6642.  \textbf{Restrictions:} Must be phase I student.  Permission of instructor.

This course 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 \textbf{Women’s Health Seminars} \hfill Fall sem. \hfill 1.0 cr. \hfill Min: 5/Max: 8

Course Director, Sonya Erickson, MD, Course Coordinator, Melissa Lorenzo, 303-724-2038.  
\textbf{Prerequisite:} IDPT 6642 and IDPT 6643.  \textbf{Restrictions:} Must be Phase II student.  Course Director approval.

Students will discuss clinical issues in Women’s Health

IDPT 6647 \textbf{LEADS 2} \hfill Fall sem. \hfill 1.0 cr. \hfill Min: 10/Max: 30

Course Director, Steve Federico, MD.  Course Coordinator, Karen Mellis, 303-724-2259.  
\textbf{Prerequisite:} IDPT6637 LEADS 1 – Spring Semester Elective.  
\textbf{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 \textbf{Intro to Global Health} \hfill Fall sem. \hfill 1.0 cr. \hfill Min:10/Max:75

Course Director, Jennifer Bellows, MD, 303-436-6884, MD.  Course Coordinator, Katie Watts, 303-724-7731.  
\textbf{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 Scholarship Activity.  This course will give a broad overview of important issues in global health e.g., the HIV epidemic, maternat-child health, humanitarian assistance, clean water and sanitation, the Millennium Development Goals, the World Health Organization, ethics, and travel health and safety.

IDPT 6667 \textbf{Global Hlth Studies (US)} \hfill Summer sem. \hfill 10.0 crs

Course Directors, Jennifer Bellows, MD, 303-436-6884 and Robert Scialfani, PhD., Course Coordinator, Katie Watts, 303-724-7731.  
\textbf{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 \textbf{Global Hlth Study Abroad} \hfill Summer sem. \hfill 10.0 crs

Course Directors, Jennifer Bellows, MD, 303-436-6884 and Robert Scialfani, PhD., Course Coordinator, Katie Watts, 303-724-7731.  
\textbf{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 \textbf{Global Health Seminar} \hfill Spring sem. \hfill 1.0 cr.

Course Director, Jennifer Bellows, MD, 303-436-6884.  Course Coordinator, Katie Watts, 303-724-7731.  
\textbf{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 \textbf{Urban Underserved Care} \hfill Fall and Spring sem. \hfill 1.0 cr. \hfill Min: 10/Max: 30

Course Director, Allegra Melillo, MD.  Course Coordinator, Tony Magno, jimmo.magno@ucdenver.edu.  
\textbf{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 \textbf{Urban Underserved Care 2} \hfill Fall and Spring sem. \hfill 1.0 cr. \hfill Min: 10/Max: 15

Course Directors, Allegra Melillo, MD and Deb Seymour PsyD.  Course Coordinator, Tony Magno, jimmo.magno@ucdenver.edu.  
\textbf{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  
Course Director, Allegra Melillo, MD. Course Coordinator, Tony Magno, jimmo.magno@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.
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.
Course Director, John Tentler, PhD, 303-724-3887. Course Coordinator, Evelyn 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.
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  CAM/Alternative Medicine  
Fall sem.  1.0 cr.
Course Director, Lisa Corbin, MD, 720-848-1225.
With 50% of the US population using CAM, physicians need education about its rational use. Through discussions and experiential sessions; therapies such as acupuncture, chiropractic, and herbs are presented. Students may spend a half-day at the Center for Integrative Medicine.

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.
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, Lisa Schilling, MD, MSPH, 303-724-2254.
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  
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.  
Course Director, Carl 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.

ORTHOPAEDIC ELECTIVES

ORTH 6620  Intro to Orthopedics  Spring sem.  1.0 cr.  
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.  
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.  
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

PSYM 6620  PSCH in Great Literature  Fall and Spr sems.  2.0 cr.  
Course Director, Robert Davies, MD, 303-724-2229. Course Coordinator, Sharon Campbell, 303-724-7400.
Course Requirement: This is a two semester course. Students must complete both fall and spring semesters. Discussions will take place once a month on a Monday evening at 7:00 PM.
Writers, the first thinkers to understand the "whole man," took into account his unconscious. We’ll illustrate this as reflected in normal development and personality formation, symbolization, fantasy and psychopathology using the characters and texts from Great Literature.

**PSYM 6626 Intro to Emergency Psch**  
**Course Directors: Michael Weissberg, MD**  
**Course Coordinator: Sharon Campbell**  
**Max: 20/Min: 4**  
**Students will learn basics of emergency evaluation with particular focus on suicide, homicide, child abuse, spouse abuse, and incest. Students will see emergency psychiatric consultations with residents, staff or faculty.**

**PSYM 6629 Medical Hypnosis**  
**Course Director: Steve Allen, MD**  
**Course Coordinator: Sharon Campbell**  
**Min: 4**  
**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.**

**PSYM 6632 Denver CARES Elective**  
**Course Directors: Charles Shuman, MD and Michael Weissberg, MD**  
**Associate Director: Bob Davies, MD**  
**Course Coordinator: Sharon Campbell**  
**In this course students will gain confidence in performing basic H&P skills while interacting with acutely ill patients in a detox facility. Requirements include volunteering a minimum of two shifts, as well as attending the orientation and debriefing sessions.**

**PSYM 6633 SUD in Medical Practice**  
**Course Director: Joseph Sakai, MD**  
**Associate Director: Bob Davies, MD**  
**Course Coordinator: Sharon Campbell**  
**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.**

**SURGERY ELECTIVES**

**SURG 6660 Career Elective In UROL**  
**Course Director: Jane Petersen, MD**  
**Course Coordinator: Kathy Politis**  
**Min: 4**  
**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.**
Required clinical clerkships are open only to University of Colorado Medical Students.

IDPT 7000  Foundations Doctoring 3  All terms  var.cr.
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  Spring sem.  2.0 crs
Course Director, Lisa Schilling, M.D., MSPH. Course Coordinator, Annie Lopez Osendorf, 303-724-4558.
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  Fall sem.  2.0 crs
Course Directors, Lisa Schilling, M.D., MSPH, 303-724-2254, Jennifer Adams, MD.  Course Coordinator, Annie Lopez Osendorf, 303-724-4558.
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  Spring sem.  4.0 crs
Course Directors, Lisa Schilling, M.D., MSPH, 303-724-2254, Jennifer Adams, MD.  Course Coordinator, Annie Lopez Osendorf, 303-724-4558.
Through didactic and small group sessions, students will learn advanced clinical skills, translational basic science, and thread material that is vital to doctoring, but underrepresented in clinical blocks, and also learn critical skills for successful sub-internship and critical care experiences.

IDPT 7010  Hospitalized Adult Care  All terms  16.0 crs
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  All terms  12.0 crs
Course Director, Jennifer Soep, MD, MSPH, 720-777-6132.  Course Coordinator, Brenda Cordova, 720-777-6887.
This block introduces clinical objectives to achieve competency in pediatric medicine, emphasizing illness and wellness of children and families, growth, development, physical and mental well-being. Students combine hospital and ambulatory experiences in Denver and other Colorado communities.

IDPT 7021  Musculoskeletal Care  All terms  4.0 crs
Course Director, Frank Scott, MD, 303-724-2968. Co-Director, William Sullivan, MD.  Course Coordinator, Adama 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  All terms  12.0 crs
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  All terms  4.0 crs
Co-Course Directors, Lynne M. Yancey, 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, Erika Eichenberger, 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 Nathaen Weitzel, M.D. Co-Course Coordinator, Janice Frary, 303-724-2681 and Kay Oliver, 303-724-1765.
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.
Prerequisite for all Phase 4 electives: Completion of Phase 3

**ANESTHESIOLOGY ELECTIVES**

**ANES 8000 Clinical Anesthesiology**  
2 or 4 wks  
Max: 2  
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  
Max: 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  
Max: 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**

**DERM 8000 Clinical Dermatology**  
2 or 4 wks  
Max: 8  
Course Director, Cory Dunnick, MD. Course Coordinator, Elisabeth Levy, 720-848-0597.  
Restrictions: Two week rotations in sections 25 – 47 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 8010 Derm/Pvt Practice/CO Sgps - (new course)**  
4 wks  
Max: 2  
Course Director, Nathan Trookman, MD, 719-471-1763 Ext. 116. Course Coordinator, Judi Spurgeon, 719-471-1763 Ext. 120  
For housing: [http://ahec.ucdenver.edu/ffinald/](http://ahec.ucdenver.edu/ffinald/).  
Dermatology in private practice is a 4-week clinical elective in a busy, outpatient dermatology practice. The student will rotate in the clinics of Colorado Springs Dermatology Clinic, and will learn general, cosmetic and surgical dermatology.
EMERGENCY MEDICINE ELECTIVES

**DERM 8300 DERM Elective Away**

2 or 4 wks

Course Director: Cory Dunnick, MD. Course Coordinator, Elisabeth Levy, 720-848-0597.

**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.

**DERM 8600 Research in Dermatology**

4, 8, or 12 wks

Course Director, Cory Dunnick, MD Course Coordinator, Elisabeth Levy, 720-848-0597.

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

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

**DERM 8630 DERM Research Away**

2, 4, or 8 wks

Course Director, Cory Dunnick, MD Course Coordinator, Elisabeth Levy, 720-848-0597.

**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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Wks</th>
<th>Max:</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMED 8004</td>
<td>Emergency Med Univ Hosp</td>
<td>4</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, Jason Hoppe, DO, 303-848-6769. 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMED 8005</td>
<td>Emergency Medicine DHMC</td>
<td>4</td>
<td></td>
<td>Spring Sem. Max: 4</td>
</tr>
<tr>
<td></td>
<td>Course Director, David Richards, MD, 303-436-7129. Course restrictions: Spring semester only, Jan – May. 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMED 8006</td>
<td>Emer Med Career Elective</td>
<td>4</td>
<td></td>
<td>Summer, Fall Sems. Max: 4</td>
</tr>
<tr>
<td></td>
<td>Course Director, David Richards, MD, 303-736-7129. 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMED 8007</td>
<td>Critical Care &amp; Procedures</td>
<td>2</td>
<td></td>
<td>Spring Sem. Max: 20</td>
</tr>
<tr>
<td></td>
<td>Course Director, Matthew Rustici, MD, 858-232-8892. Students will participate in an intensive 2-week elective with performance-based, hands-on training in 4 procedural skill areas: airway management, laceration repair, fluid sampling, and vascular access. Students will complete training in management of critically ill patients using procedural skills and simulated patients.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMED 8017</td>
<td>Peds Emergency DHMC – (new course replaces PEDS 8017)</td>
<td>2 or 4 wks</td>
<td>Max: 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, John Easter, MD. Course Coordinator, Shawn Woody, 303-436-7900. Restrictions: Experience at Denver Health Medical Center. See PEDS 8025 for experience at Children’s Hospital Colorado. Students will serve as the primary caregivers in the Denver Emergency Center for Children at Denver Health, a pediatric emergency department treating 30,000 children annually. Students will be fully integrated into the team, treating children with acute and urgent illnesses.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMED 8024</td>
<td>Clinical Toxicology</td>
<td>4</td>
<td></td>
<td>Max: 2</td>
</tr>
<tr>
<td></td>
<td>Course Director, Kennon Heard, MD, 303-739-1264. Course Coordinator, Darlene Vigil, 303-389-1350. Introduction to medical toxicology at the Rocky Mountain Poison and Drug Center. Participate in clinical service, inpatient consultative care of DHMC/UH. Conferences and didactic instruction provided weekly. Short presentations required. Exposed to fundamentals of environmental toxicity, public health concerns, occupational toxicology.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**EMED 8025 Clin Bedside Ultrasound**  
2 or 4 wks  
Max: 4  
Course Directors, Vaughn Brown, MD, PhD, John Kendall, MD, 303-436-7148. John.kendall@dhha.org.  
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.  
For Housing: http://ahec.ucdenver.edu/finaid/.

**EMED 8031 Wilderness Medicine**  
2 wks, Spring Sem.  
Min: 10/Max: 25  
Course Directors, Barbara Blok, MD, 720-848-6777 and Kelly Bookman, MD, 720-848-6778. Course Coordinator, Cathy Maciel, 720-848-6767.  
Course Restrictions: must be a 4th year student in good academic standing. Not available to externs. Variable fee.  
Course offered sections 47 and 48 only.  
Students will learn core wilderness medicine principles in small group and lecture-based formats then apply their knowledge to scenarios in wilderness settings. The course will spend the first week near Estes Park and the second week near Moab, UT.

**EMED 8100 EMED Elective Away**  
2 or 4 wks.  
Course Director, Jeffrey Druck, MD, 30-724-7732. Course Coordinator, Marybeth Hutchins, 720-848-6768.  
Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be at least one month in advance of start.  
This Emergency Medicine elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs.

**EMED 8600 Research in EMED**  
2, 4, 8 or 12 wks.  
Max: 4  
Course Director, Jason Haukoos, MD, 303-436-7141.  
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.  
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.  
Prerequisite: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be at least one month in advance of start.  
This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

---

### FAMILY MEDICINE ELECTIVES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
<th>Max:</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMMD 8002</td>
<td>Family Med Subinternship</td>
<td>4 wks</td>
<td>1</td>
</tr>
<tr>
<td>FMMD 8005</td>
<td>Care for Underserved</td>
<td>2 wks</td>
<td>1</td>
</tr>
<tr>
<td>FMMD 8007</td>
<td>Out-Patient Family Med</td>
<td>4 wks</td>
<td></td>
</tr>
</tbody>
</table>

---

**FMMD 8002 Family Med Subinternship**  
Course Director, Michael Bross, MD, 720-848-9061. Course Coordinator, Alice Skram.  
“This Sub-I course meets the UC SOM requirement for graduation.”  
Experience CU Family Medicine! Students will be members of the inpatient service team at the Anschutz Inpatient Pavilion, take call, and will spend 2 half days per week at the A.F. Williams Family Medicine Center (outpatient clinic).

**FMMD 8005 Care for Underserved**  
Course Director, Richard Kornfeld, MD, 720-956-2039. Course Coordinator, Alice Skram.  
Prerequisite: Course Director approval required to register.  
Offered at Lowry Family Health Center. Interact with culturally varied refugee and underserved populations, gain insight into the challenges faced by these underserved populations and assess if your future practice goals include serving these groups.

**FMMD 8007 Out-Patient Family Med**  
Course Director, Morteza Khodaei, MD, MPH, 720-848-9056. Course Coordinator, Alice Skram  
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, David Gaspar, MD. 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 Spring Sem. Min: 3/Max: 6
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 Fall, Spring Sems. Max: 4
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. Email: Beth.Ingram@ucdenver.edu.

Course Restrictions: Not available summer semester.

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 Fall, Spring Sem
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 8013** **Oral Health: Children** 2 wks Fall, Spring Sem
Course Directors, Mark Deutchman, MD. 303-704-9725. mark.deutchman@ucdenver.edu and Elizabeth Shick, DDS.
Course Restrictions: Course Director approval required. This elective is offered only at selected times. Students must contact course directors to schedule.

Students will learn to perform oral examinations on young children, recognize dental caries and other dental problems, apply fluoride varnish and collaborate with oral health professionals. Students interested in rural or underserved primary care practice should take this elective.

**FMMD 8014** **PCMH: Concept & Practice** 2 wks Fall, Spring Sem
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. Course Coordinator, Steven Cruse, 303-724-0975.
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.
FMD 8016  Sub-I at Colorado FM Residency Programs 4 wks
Course Directors, David Gaspar, MD and David Allred, DO. Course Coordinator, Steven Cruse, 303-724-0975.
“Sub-I course meets the UC SOM requirement for graduation.”
Course Restrictions: Required Sub-IIs 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. Then DFM Director’s approval.
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. Meets required Sub-I criteria.

FMD 8100  FMMD Elective Away 2 or 4 wks
Course Director, David Gaspar, MD Course Coordinator, Steven Cruse, 303-724-0975.
Restrictions: Must work with a family physician. Students must have learning objectives approved by course director.
Prerequisite: 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 Family Medicine elective will be held at a site in Colorado or another state. Students must obtain departmental approval one month prior to the start.

FMD 8400  International FM 4, 8, 12, or 16 wks
Course Director, David Gaspar, MD. Course Coordinator, Steven Cruse, 303-724-0975.
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 problems common to Family Medicine 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.

FMD 8411  Foreign Language Immersion 4 or 8 wks
Course Directors, David Gaspar, MD. Course Coordinator, Steven Cruse, 303-724-0975.
Restrictions: May 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 hrs 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.

FMD 8600 Research in FM 2, 4, 8 or 12 wks
Course Director, David Gaspar, MD. Course Coordinator, Steven Cruse, 303-724-0975.
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.
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.

FMD 8630 FMMD Research Away 2, 4, or 8 wks
Course Director, David Gaspar, MD. Course Coordinator, Steven Cruse, 303-724-0975.
Prerequisite: 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: Must 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 Family Medicine research elective will be held at a site in Colorado or another state. Students must obtain departmental approval one month prior to the start.

FMD 8640 Int’l FM Research 4 or 8 wks
Course Directors, David Gaspar, MD. Course Coordinator, Steven Cruse, 303-724-0975.
Restrictions: Must not register for final 6 weeks of academic year. Not available for Honors grading. 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 & objectives, obtain departmental approval, complete arrangements & register with “Studio Abroad” 60 days prior to departure. Successful International Experiences sessions also are required.
INTERDEPARTMENTAL ELECTIVES

**IDPT 8000  Foundations Doctoring IV**  
*Summer, Fall, Spring, Semesters*  
Course Restrictions: To register please email Tina Roquemore@ucdenver.edu. 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.

**IDPT 8001  Tutoring in Foundations**  
*Summer, Fall, Spring Semesters*  
Course Director, Wendy Madigosky, 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 two weeks 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**  
*Fall Semester*  
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 outpatient, inpatient, hospice, long term care and home care settings on and off of University campus.

**IDPT 8004  Integrated Clinicians 4**  
*Spring Semester*  
Course Directors, Lisa Schilling, MD, MSPH, Jeffrey Druck, MD Course Coordinator, Annie Lopez Osendorf, 303-724-4558.  
Restrictions: Offered section 41 only.  
Through didactic and small group sessions, the course will teach advanced clinical skills, translational basic science and thread material that is vital to doctoring, but underrepresented in the clinical blocks.

**IDPT 8005  Integrated Clinicians 5**  
*Spring Semester*  
Course Directors, Lisa Schilling, MD, MSPH. Jeffrey Druck, MD Course Coordinator, Annie Lopez Osendorf, 303-724-4558.  
Restrictions: Offered section 51 only.  
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**  
*Fall Semesters*  
Course Director, Adam Trosterman, MD Course Coordinator, Bonnie Caywood, 303-724-1790.  
Prerequisites: Course Director approval required to add this course.  
Provide ambulatory and hospital care for pediatric and adult patients with a physician board-certified in both medicine and pediatrics. The focus is primary care. This elective is of interest to students interested in medicine/pediatric, family medicine and internal medicine.

**IDPT 8011  Clinical Nutrition**  
*Fall Semesters*  
Course Director, Nancy Krebs, MD, MS. Course Coordinator, Laura Primak, RD, CNSD, 303-506-5228  
Restrictions: Contact[ laura.primak@ucdenver.edu](mailto:laura.primak@ucdenver.edu), two weeks prior to start date.  
Develop your nutrition assessment skills with this elective, tailored to your needs with adult and/or pediatric inpatients and/or outpatients with a variety of conditions and diseases. Active learning with exceptional mentors is emphasized.

**IDPT 8014  Global Hlth US Project**  
*Fall Semesters*  
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**  
*Fall Semesters*  
Course Directors: 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 an international site under the supervision of their designated mentor and local supervisors.
**IDPT 8016 Physician as Educator**  
Course Director, Allegra Melillo, MD. Course Coordinator, Steven Cruse, 303-724-0975.  
Prerequisite: Prior approval by the Course Director required to add this course.  
Course Restrictions: This is a two-semester course offered fall and spring semesters. For graduation requirements, each semester counts one week.  
This elective is intended to develop your skills as an effective teacher in clinical settings. This will include participation in evening teaching workshops, co-precepting first and second year medical students at Stout Street Clinic and Foundations of Doctoring skills sessions.

**IDPT 8017 Culturally Effective Med**  
2 wks  
Spring semester  
Min:5/Max:30  
Course Director, Paritosh Kaul, MD. Course Coordinator, Regina Richards, MSW, 303-724-4537.  
Course Restriction: Offered section 37 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 8018 Global Health & Disaster**  
2 wks  
Fall semester  
Min:5/Max:20  
Course Director, Stephen Berman, MD, 303-724-9771. Course Coordinator, Michelle Shiver, BSE, 303-724-9771.  
Course Restrictions: Section 27-C only. This course replaces Tropical Medicine.  
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**  
2 wks  
Max: 4  
Course Director, Lynne Yancey, MD, 303-724-6392. Course Coordinator, Brenna Deutchman, 303-724-6428.  
This elective will join an interdisciplinary 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**  
Fall and Spring Sems.  
Min:16/Max:40  
Course Director, Maureen Garrity, PhD. Course Coordinator, Vicki Melton, 303-724-6404.  
Prerequisites: Fourth year standing and selection as a “Student Advisor” in the Advisory College Program.  
Restrictions: For graduation requirements, one 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**  
4 wks  
Spring semester  
Max: 10  
Course Director, Steven Lowenstein, MD, MPH. 720-848-6777. Course Coordinator, Rory Foster, 303-684-5557.  
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 8090 Mentored Scholarship**  
Fall and Spring  
Course Director, Allan Prochazka, MD. Course Coordinator, Katie Watts, 303-724-7731.  
Students work intensively with mentors on their chosen MSA Project. Students critically review background literature, define a question/hypotheses, develop and implement methods and student design, collect data, analyze and interpret data, and submit written progress reports for their MSA project.

**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 Associate Dean for Student Affairs, Mentor, and Course Director 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  Summer, Fall, Spring  Max: 20
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  Summer, Fall, Spring  Max: 50
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.
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
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-I course meets the UC SOM requirement for graduation.”
The sub-intern functions as an intern and is responsible for the admission, evaluation, and continuing care of patients under the supervision of a Resident and an Attending. Sub-internships are offered at DHMC, P/SL, UCH, VAMC, and St. Joseph’s Hospital.

MEDS 8003 Transfusion Medicine  4 wks  Max: 1
Course Director, Daniel R. Ambusko, MD, 303-363-2241. Course Coordinator, Christian Snyder, 303-363-2241.
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.

MEDS 8005 Cardiac Diagnostic Skill  2 wks  Max: 6
Course Directors, David Fitter, MD and Michael Fisher, MD. Course Coordinator, Rebecca Schoby, 303-866-8885.
Course is at Exempla St. Joseph Hospital. Goals are to improve cardiac physical diagnosis skills, interpret EKG findings, recognize abnormal heart sounds and murmurs; and analyze cardiac chest x-ray findings. Includes didactic sessions and home study.

MEDS 8006 Allergy/Clin Immunology  4 wks  Max: 1
Course Director, Stephen Dreskin, MD, 303-724-7198. Course Coordinator, Jeanne Kittle, 303-724-7198.
Prerequisite: Course Director approval required to add course.
Opportunities to participate in inpatient consultations, observe clinical immunology laboratory techniques, and library research.

MEDS 8007 Clinical Renal  4 wks  Max: 4
Course Director, James Cooper, MD. Course Coordinator, Jennifer Herzig, 303-724-4851.
A four-week elective course in electrolyte, hypertensive, acute and chronic renal failure, glomerular (including diabetes) disorders, and hospital services. The students will see consults on all services, learn to maintain and analyze flow sheets, review problems with residents and fellows.

MEDS 8008 Clin Gastro-Colo Spqqs – (new course)  4 wks  Max: 2
Course Director, Austin, Garza, MD, 719-635-7321, -22, ag624@mac.com. For housing:http://ahec.ucdenver.edu/finaid/
This is an ambulatory and inpatient gastroenterology exposure within the context of a private practice, featuring exposure to GI diseases, endoscopic and medical management of the gastrointestinal tract and hepatology including Hepatitis C.

MEDS 8009  **Clin Infectious Diseases**  4 wks  Max: 3
Course Director, J. David Beckham, MD, 303-724-4927. Course Coordinator, Ashley Cannon, 303-724-4932.
UCH, DHMC, and VA Hospital assigned. Hospitalized patients with a variety of infectious diseases are available for study. Diagnosis, pathophysiology, immunology, epidemiology, and management, including use of antimicrobial agents are emphasized. Students attend and participate in ward rounds and conferences.

MEDS 8010  **Clin Gastroenterology**  4 wks  Max: 2
Course Director, Joel Levine, MD. Course Coordinator, Kendra Burghardt, 303-724-1858.
Students will participate in work up of both hospitalized and ambulatory patients with gastrointestinal (GI) illnesses. GI pathophysiology will be emphasized. Students attend weekly conferences in clinical gastroenterology, radiology and pathology. They are invited to observe procedures. Hospital is assigned.

MEDS 8011  **Pulmonary**  4 wks  Max: 2
Course Director, Joe Crossno, MD. Course Coordinator, Jessica Cunningham, 303-724-4075.
UCH, DHMC, and DVAMC. This elective offers broad experience in pulmonary and critical care medicine. Students participate in consultations, attend conferences and clinics. A wide variety of pulmonary and critical care cases are seen.

MEDS 8012  **Clinical Rheumatology**  4 wks  Max: 1
Course Director, Robert Janson, MD. Course Coordinator, Wanda Simpson, 303-724-7605.
Students will learn how to recognize, diagnose, and treat common rheumatic disorders. Students will attend all formal teaching conferences in the Division of Rheumatology and attend 6 or more outpatient clinics each week.

MEDS 8013  **Endocrinology**  4 or 6 wks  Max: 2
Course Director, Cecilia Wang, MD, 303-399-8020 x2691. Course Coordinator, Holly Smith, 303-724-3927.
Introduction to evaluation and management of endocrine disorders via outpatient clinics and inpatient consults at VAMC, DHMC, UCH. Endocrine-focused history-taking and physical examination with a complete problem-oriented approach to patient care. Multiple conferences and close interaction with fellows and attendings.

MEDS 8014  **Hematology / Oncology**  4 wks  Max: 1
Course Director, Paul Seligman, MD. Course Coordinator, Theresa Martinez, 303-724-4088.
Students are exposed to a wide range of patients seen in consultation for hematologic and oncologic problems. Students may also elect to attend the numerous subspecialty outpatient clinics for patients with various malignancies.

MEDS 8017  **Hospice/Palliative Care**  2 or 4 wks  Max: 1
Course Director: Jeanie Youngwerth, MD., 720-848-4289.
Prerequisite: 1) Course Director approval required. 2) Contact Dr. Youngwerth 1 week prior to starting via email Jean.Youngwerth@ucdenver.edu.
Restriction: Please contact Dr. Youngwerth via email if you drop the course.
This is an introduction to hospice and palliative care. You will become a member of the interdisciplinary team at the Hospice of Saint John, focusing on the physical, social, psychological, and spiritual aspects of patient care for the terminally ill. Opportunity to rotate with UCH Palliative Care Consult service.

MEDS 8021  **Clinical Medical Spanish**  4 wks  Fall Sem
Course Director, Monica Caten, 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. Home stays with a Spanish-speaking family may be possible.

MEDS 8022  **Disability Medicine**  2 or 4 wks  Max: 2
Course Director, Laura Pickler, MD, MPH. 720-777-7450. Course Coordinator, Dinia 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 of 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Wks</th>
<th>Section</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDS 8025</td>
<td>Medical Oncology</td>
<td>4</td>
<td>Max: 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDS 8026</td>
<td>Medical Oncology Sub I</td>
<td>4</td>
<td>Max: 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDS 8029</td>
<td>Applied Clin Pharmacolog</td>
<td>4</td>
<td>Max: 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, Curt Freed, MD, 303-724-6002. Course Coordinator, Laura Grubbs, 303-724-6015. Restrictions: Course offered section 37 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDS 8032</td>
<td>Corrections Health Care</td>
<td>2</td>
<td>Max: 3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Directors, Ingrid Binswanger, MD, MPH, Peter Crum, MD. Course Coordinator, Bonnie Caywood, 303-724-1790. 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).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDS 8034</td>
<td>Sub I Crit Care StJoseph</td>
<td>4</td>
<td>Max: 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, Lisa Cyran, MD Course Coordinator, Rebecca Schoby, 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 functions as acting intern, alternating 10 day shifts with 5 night shifts, one day off per week. Will attend daily ICU interdisciplinary rounds, Morning Report, and Noon conference and will enhance skills in evaluating, managing, and communicating with critically ill patients.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDS 8036</td>
<td>Sub I Critical Care DHMC</td>
<td>4</td>
<td>Max: 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, James H. Fisher, MD Course Coordinator, Doris Quintana, 303-436-5905. Prerequisites: Sub-I in medicine or surgery. Course Director approval required to add this course. The sub-internship in medical critical care offers phase 4 medical students an opportunity to develop expertise in the diagnosis and management of critically ill patients. Students will also receive training in the performance of common ICU procedures.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDS 8037</td>
<td>Sub I Critical Care UH</td>
<td>4</td>
<td>Max: 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, Ellen Burnham, MD Course Coordinator, Michelle Kerklo, 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDS 8038</td>
<td>CAM Wellness Elective</td>
<td>4</td>
<td>Max: 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, Lisa Corbin, MD 720-848-1225. Prerequisites: Course director approval required to add this course. In-depth exploration of CAM therapies and personal wellness will be facilitated through didactic sessions, field trips, online learning, reflection, and self-directed project. Students will work collaboratively in groups and the time will be tailored to individual goals.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDS 8039</td>
<td>AIDS &amp; American Culture</td>
<td>2</td>
<td>Max: 30</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, Therese Jones, PhD, 303-724-3995. Course Coordinator, MaryLou Wallace, 303-724-3994. Restrictions: Offered section 49 only. This course approaches HIV/AIDS as a biomedical, social, political, and creative phenomenon. We will investigate the discourse and images of AIDS in journalistic writing, autobiography, fiction, poetry, film, television, and photography.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDS 8040</td>
<td>Film and Mental Illness</td>
<td>2</td>
<td>Max: 30</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, Therese Jones, PhD, 303-724-3995. Course Coordinator, MaryLou Wallace, 303-724-3994. Restrictions: Offered section 43 only.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 8100 MEDS Elective Away**

2 or 4 wks

Course Director, Adam Trosterman, MD. Course Coordinator, Bonnie Caywood, 303-724-1790.

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.

Restriction: Not available sections 49 and 50.

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

Course is Pass/Fail only.

**MEDS 8600 Research in Medicine**

2, 4, 8, or 12 wks

Course Directors: Britta Jacobsen, PhD and Adam Trosterman, MD. Course Coordinator, Bonnie Caywood, 303-724-1790.

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

Restrictions: Not available sections 49-50.

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

**MEDS 8601 Intro Biomed Research**

2 or 4 wks

Course Director, John Repine, MD. Course Coordinator, Bonnie Caywood, 303-724-1790.

Prerequisite: Course Director approval required to add the course. The student must speak with Dr. Repine beforehand to understand the nature of the course.

Restrictions: The paper cannot be used for another course and may or may not be suitable for publication. This course cannot be taken simultaneously with another for credit course at the medical school.

The goal of this course is to familiarize medical students with Biomedical Research and literature searches. Students will select and prepare a short paper on a specific approved topic and then review the work with a mentor and/or Course Director.

**MEDS 8630 MEDS Research Away**

2, 4, or 8 wks

Course Directors, Adam Trosterman, MD and Britta Jacobsen, PhD. Course Coordinator, Bonnie Caywood, 303-724-1790.

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 course is graded on a pass/fail basis only.

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.

### NEUROLOGY ELECTIVES

**NEUR 8000 Neurology**

2 or 4 wks

Max: 3

Course Director, Chantal O’Brien, MD. Course Coordinator, Erika Eichenberger, 303-724-5899.

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

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

**NEUR 8100 NEUR Elective Away**

2 or 4 wks

Course Director, Chantal M. O’Brien, MD. Course Coordinator, Erika Eichenberger, 303-724-5899.

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: Per Office of Student Affairs guidelines.

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

**NEUR 8600 Research in Neurology**

2, 4, 8, or 12 wks

Course Director, Chantal O’Brien, MD. Course Coordinator, Erika Eichenberger, 303-724-5899.

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.

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

**NEUR 8630 NEUR Research Away**

2, 4, or 8 wks

Course Director, Chantal O’Brien, MD. Course Coordinator, Erika Eichenberger, 303-724-5899.
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.

### NEUROSURGERY ELECTIVES

**NSUR 8014 Neurosurgery Sub I**

<table>
<thead>
<tr>
<th>2.4, or 6 wks</th>
<th>Max: 8</th>
</tr>
</thead>
</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.

**NSUR 8100 NSUR Elective Away**

| 2 or 4 wks |

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 be additional requirements for these.

**NSUR 8600 Research in Neurosurgery**

| 2, 4, or 12 wks |

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.

**NSUR 8630 NSUR Research Away**

| 2, 4, or 8 wks |

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

**OBYG 8000 General Obstetrics Sub I**

<table>
<thead>
<tr>
<th>4 wks</th>
<th>Max: 1</th>
</tr>
</thead>
</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.

**OBYG 8001 General Gynecology Sub I**

<table>
<thead>
<tr>
<th>4 wks</th>
<th>Max: 1</th>
</tr>
</thead>
</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.

**OBYG 8002 Directed Study in OBGYN**

| 4 or 8 wks |

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.

**OBYG 8004 High Risk Maternal/Fetal**

| 4 wks | Max: 1 |

Course Director, Shane Reeves, MD. Course Coordinator, Rochelle Cassell, 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 ante partum unit under supervision of chief resident.

**OBYG 8005 Gynecologic Oncology**

| 4 wks | Max: 1 |
Course Director, Julia Embry. Course Coordinator, Rochelle Cassell, 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.

**OGBY 8009  GYN Subspecialties**

Course Director, Kristina Tocce, MD 303-724-2044. Course Coordinator, Rochelle Cassell, 303-724-2031.

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

Elective is designed to expose the student to 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.

**OGBY 8010  Reproductive/Infertility**

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

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

**OGBY 8011  Family Planning**

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

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 participation in ongoing research activities of the division.

**OGBY 8012  UH Gyn Sub-Internship**

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

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

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

**OGBY 8013  DHMC OB/GYN Outpatient**

Course Director, Kathryn Witzeman, MD. Course Coordinator, Patricia Lovatto, 303-602-9725.

This course allows for career exploration and broadening of knowledge in OB/GYN from an outpatient perspective. Students are expected to participate in all aspects of the outpatient service, including specialty clinics and taking 3 call nights on L&D.

**OGBY 8100  OGBY 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.

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.

**OGBY 8600  Research in OB/GYN**

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 he student must receive prior approval from the Associate Dean for Student Affairs.

**OGBY 8630  OBGY Research 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.

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.

**OPHTHALMOLOGY ELECTIVES**

**OPHT 8000  Ophthalmology**

Course Director, Richard Davidson, MD. Course Coordinator, Gaylian Howard, 720-548-5029.

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.

**OPHT 8100 OPHT Elective Away**
Course Director, Richard Davidson, MD. Course Coordinator, Gaylian Howard, 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.

**OPHT 8600  Research Ophthalmology**  
2, 4, 8, or 12 wks  
Course Director, Richard Davidson, MD. Course Coordinator, Gaylian Howard, 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 of Student Affairs.
A final written evaluation must be mailed to Course Director who will assign the final grade.

**OPHT 8630  OPHT Research Away**  
2, 4, or 8 wks  
Course Director, Richard Davidson, MD. Course Coordinator, Gaylian Howard, 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>Start Dates</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>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Max: 8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This Sub-I course meets the UC SOM requirement for graduation.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course is designed as an elective in Orthopaedic Surgery for students desiring residency training in Orthopaedics or another surgical specialty. The student will function as a &quot;sub intern&quot; on a resident/faculty team in two hospital settings.</td>
<td></td>
<td></td>
<td></td>
</tr>
<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></td>
<td></td>
<td></td>
<td>Max: 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course is designed as an elective in musculoskeletal medicine in route to a career in primary care or other overlapping field. The focus is on outpatient musculoskeletal medicine.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ORTH 8005</td>
<td>Sports Medicine</td>
<td>4 wks</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Max: 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course provides clinical experience in musculoskeletal sports medicine. Students will primarily be based in the CU Sports Medicine Clinic and will participate in patient evaluation with considerable operative exposure as well. This is not a non-operative Sports Medicine program.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ORTH 8100</td>
<td>ORTH Elective Away</td>
<td>2 or 4 wks</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Max: 10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, Frank Scott, MD. Course Coordinator, Adama Evans, 303-724-7354. 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ORTH 8600</td>
<td>Research in Orthopedics</td>
<td>4, 8, 12 wks</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Max: 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, Frank Scott, MD. Course Coordinator, Adama Evans, 303-724-7354. 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. Provides an opportunity to participate in research at the clinical or basic science level. The student should contact the Departmental Office 3-4 months in advance to arrange a meeting with a member of the Orthopaedics faculty to define a project.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ORTH 8630</td>
<td>ORTH Research Away</td>
<td>2, 4, 8 wks</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Course Director, Frank Scott, MD. 720-848-0485. Course Coordinator, Adama Evans, 303-724-7354. 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
OTOLARYNGOLOGY ELECTIVES

OTOL 8000  Clinical Otolaryngology  2 or 4 wks  Max: 3
Course Director, John Song, MD. Course Coordinator, Tanya Reesman, 303-724-1965.
For students strongly considering an ENT career. Offers in-depth clinical and operative exposure. Also useful for those seeking primary care to further hone head and neck exam skills and treatment of ENT pathology.

OTOL 8100  OTOL Elective Away  2 or 4 wks
Course Director, John Song, MD. Course Coordinator, Tanya Reesman, 303-724-1965.
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.

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.

PATH 8000  Pathology  4, 8, or 12 wks  Max: 2
Course Directors, Robert Low, MD and Phillip Boyer, MD, PhD. Course Coordinator, Linda Main, 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  4 wks  Fall Sem  Max: 50
Course Director, Mary Berg, MD, Course Coordinator, Linda Main, 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.

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

PATH 8600  Research in Pathology  2, 4, 8, or 12 wks
Course Director, Robert Low, MD. Course Coordinator, Linda Main, 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, Linda Main, 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Duration</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peds 8000</td>
<td>Pediatric Subinternship</td>
<td>4 wks</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>“This Sub-I course meets the UC SOM requirement for graduation.”</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peds 8004</td>
<td>Pediatric Cardiology</td>
<td>4 wks</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>The student will make rounds with the cardiology team, see consults, attend outpatient clinics, and participate in cardiac catheterizations and conferences. Evaluation of children with heart diseases by history, physical examination, ECG, x-ray, echocardiography, and cardiac catheterization are stressed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peds 8006</td>
<td>Immunology and Allergy</td>
<td>4 wks</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peds 8007</td>
<td>Child Abuse and Neglect</td>
<td>4 wks</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peds 8008</td>
<td>Birth Defects/ Genetics</td>
<td>4 wks</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Students will participate in diagnosis, pedigree assessment and management, complete consultations with faculty, attend conferences, and visit laboratories.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peds 8009</td>
<td>Peds Infectious Disease</td>
<td>4 wks</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peds 8011</td>
<td>Peds Pulmonary Disease</td>
<td>4 wks</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peds 8012</td>
<td>Pediatric Neurology</td>
<td>4 wks</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peds 8013</td>
<td>Pediatric Endocrinology</td>
<td>4 wks</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Course Directors, Christian Chan, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Patients with abnormalities of growth and sexual development, thyroid disorders, and diabetes mellitus are evaluated and treated. Extended diagnostic testing and management are conducted on ward rounds, in endocrine and diabetes clinic, and in clinical research clinics.

**Peds Neonatology Sub I**

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

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

**Peds Gastroenterology**

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.

**Peds Nephrology**

Course Directors, Gary Lum, 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.

**Peds Emergency Medicine**

Course Directors, Tien Vu, MD and Jennifer Soep, MD. Course Coordinator, Michael Baca, 720-777-4804.

Restrictions: Experience at Children’s Hospital Colorado. See EMED 8017 for experience at DHMC.

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

**Peds Intensive Care**

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 date, and gain experience in the diagnosis and therapy of a broad spectrum of illnesses.

**Breastfeeding Management**

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 Laura.Primak@uchsc.edu.

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.

**Vaccination in Pediatrics**

Course Director, Robert Brayden, MD, Course Coordinator, Barbara Stucky, 720-777-6562.
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.

**PHYSICAL MEDICINE AND REHABILITATION ELECTIVES**

**PHMD 8000  Physical Med & Rehab**
4 wks  Max: 4
Course Director, Matthew Godleski, MD, Course Coordinator, Elizabeth Pae, MPA, 303-724-1263.

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. These must be completed at least one month in advance of start.
Restriction: Sections 49-50 not available.

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  Max: 4
Course Director, Matthew Godleski, MD. Course Coordinator, Elizabeth Pae, MPA, 303-724-1263.

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.
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.

**PHMD 8600  Research Physical Med**
2, 4, 8, or 12 wks  Max: 4
Course Director, Matthew Godleski, MD. Course Coordinator, Elizabeth Pae, MPA, 303-724-1263.

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.

This elective is 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.
Prerequisite: Course Director Approval Required to add course.
- Selected students may participate in directed scholarly work in Bioethics and Medical Humanities with specific faculty members. Opportunities such as directed literature reviews, clinical research projects, curriculum development projects, and other scholarly activities are available.

PRMD 8100 PRMD Elective Away 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: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.
- Designed for students interested in preventive medicine research. Tailored research experiences in the Denver area can be established in a variety of settings. Speak with the course director to design this elective.

PRMD 8630 PRMD Research Away 2, 4, or 8 wks
Course Director, Tim Byers, MD, M.P.H., 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.
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.

PSYCHIATRY ELECTIVES

PSYM 8000 Sub-I in Adult PSYM 4 wks Max: 3
Course Director, Robert Davies, MD, 303-724-2229. Course Coordinator, Lesley Lundeen, Lesley.Lundeen@ucdenver.edu
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.
- Sub-interns take responsibility as primary provider for seriously ill patients, work closely with treatment team directed by an attending psychiatrist. Sub-interns assume responsibilities for care of patients that interns typically assume: performing H&Ps, writing orders, giving “bad news” when appropriate.

PSYM 8001 “Big Six” Substance Prob 2 or 4 wks Max: 2
Course Director, Paula Riggs, MD. Course Coordinator, Elisa Upwood, MS ext. 303-724-3183.
Prerequisites: Course Director approval required to add course.
- In treatment programs, experts’ tutorials, and readings, students learn approaches to 6 common primary-care substance problems, such as addiction in pain disorders, pregnancy, smoking with tobacco-induced illness, and substance involved adolescents. Students write a paper on the 6 clinical problems.

PSYM 8002 Neuropsychiatry Elective 4 wks
Course Director, David Arciniegas, MD. Course Coordinator, Lesley.Lundeen@ucdenver.edu.
Prerequisites: PSYM 8000.
Behavioral Neurology & Neuropsychiatry Elective. The goal is to provide the student with exposure to physicians practicing as subspecialists in BN&NP, the clinical populations they serve, and a variety of clinical settings in which they practice. For more information: www.medschool.

**PSYM 8003  Elective in Psychiatry**

2, 4, or 8 wks

Course Director, Robert Davies, MD. Course Coordinator, Lesley.Lundeen@ucdenver.edu.

Prerequisite: Contact coordinator to confirm availability.

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

**PSYM 8004  Sub-I/Child & Adlcsnt PSYM**

4 wks

Course Director, Robert Davies, MD. Course Coordinator, Lesley.Lundeen@ucdenver.edu.

Prerequisite: Contact coordinator to confirm availability.

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

**PSYM 8005  Clinical PSYM Geriatric**

4 wks

Course Director, Robert Davies, MD. Course Coordinator, Lesley.Lundeen@ucdenver.edu.

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.

**PSYM 8006  Clinical PSYM C/L**

4 wks

Course Director, Robert Davies, MD. Course Coordinator, Lesley.Lundeen@ucdenver.edu.

Prerequisite: Contact coordinator to confirm availability.

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

**PSYM 8007  Clinical PSYM Emer Srvs**

4 wks

Course Director, Robert Davies, MD. Course Coordinator, Lesley.Lundeen@ucdenver.edu.

Prerequisite: Contact coordinator to confirm availability.

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

**PSYM 8008  Clinical PSYM Forensic**

4 wks

Course Director, Robert Davies, MD. Course Coordinator, Lesley.Lundeen@ucdenver.edu.

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.

**PSYM 8009  Clinical PSYM Addiction**

4 wks

Course Director, Robert Davies, MD. Course Coordinator, Lesley.Lundeen@ucdenver.edu.

Prerequisite: Contact coordinator to confirm availability.

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

**PSYM 8010  Clin PSYM Eating Disords**

4 wks

Course Director, Robert Davies, MD. Course Coordinator, Lesley.Lundeen@ucdenver.edu.

Prerequisite: Contact coordinator to confirm availability.

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

**PSYM 8100  PSYM Elective Away**

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: Special permission from the department and individual arrangements must be completed and then the student must receive prior approval from the Associate Dean for Student Affairs.
Research electives in various areas of Psychiatry. Contact 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.  
Prerequisites: Department approval must be obtained and then approval by the Associate Dean for Student Affairs. These must be preapproved by Student Affairs, and there may be additional requirements for these.

---

**RADIOLOGY ELECTIVES**

**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. If the rotation is not a formal course given at another medical school/hospital, the student must also provide a description of duties/responsibilities to be performed during the rotation. 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.  
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 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.
Prerequisite: 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.

<table>
<thead>
<tr>
<th>SUGERE ELECTIVES</th>
</tr>
</thead>
<tbody>
<tr>
<td>SURG 8000 Gen Surg Sub I Univ Hosp 4, 8, or 12 wks Max: 4</td>
</tr>
<tr>
<td>Course Director, Thomas A. Whitehill, MD. Course Coordinator, Janice Frary, 303-724-2681.</td>
</tr>
<tr>
<td><em>This Sub-I course meets the UC SOM requirement for graduation.</em></td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>SURG 8001 Gen Surg Sub I DHMC 4 or 6 wks Max: 3</td>
</tr>
<tr>
<td>Course Director, Carlton Barnett, MD Course Coordinator, Ron Fresquez, 303-436-6575.</td>
</tr>
<tr>
<td><em>This Sub-I course meets the UC SOM requirement for graduation.</em></td>
</tr>
<tr>
<td>Prerequisite: Course director approval required to add this course. A mentor will be required.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>SURG 8002 Gen Surg Sub I St Joseph 4 wks Max: 2</td>
</tr>
<tr>
<td>Course Director, Ed Kimm, MD. Course Coordinator, Laurie Cooper, 303-837-7295.</td>
</tr>
<tr>
<td><em>This Sub-I course meets the UC SOM requirement for graduation.</em></td>
</tr>
<tr>
<td>Held at St. Joseph Hospital with emergency &amp; 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.</td>
</tr>
<tr>
<td>SURG 8008 Cardiothoracic Surg Sub 4 wks Max: 2</td>
</tr>
<tr>
<td>Course Director, David Fullerton, MD Course Coordinator, Karen Muth, 303-724-2798.</td>
</tr>
<tr>
<td><em>This Sub-I course meets the UC SOM requirement for graduation.</em></td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>SURG 8010 Burn Critical Care/Surg 4 wks Max: 1</td>
</tr>
<tr>
<td>Course Director, Gordon K. Lindberg, M.D. PhD. Course Coordinator, Robin Miller, 303-724-2727.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>SURG 8011 Hand Surgery 4 wks Max: 1</td>
</tr>
<tr>
<td>Course Director, Mickey Gordon, MD. Course Coordinator, Mandy Whitton, 303-724-2792.</td>
</tr>
</tbody>
</table>
The students will participate in all aspects of the hand service including the emergency room, outpatient clinics, inpatient/outpatient operative and non-operative treatment. Emphasis is on acute hand and upper extremity diseases, trauma, their treatment and rehabilitation.

**SURG 8012 Urology Subinternship**

Course Director, Jane Petersen, MD. Course Coordinator, Kathy Politis, 303-724-2712.

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

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.

**SURG 8015 Pediatric Surgery**

Course Director, Frederick Karrer, MD. Course Coordinator, Sandra Floyd, 720-777-5506 at TCH. 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.

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

**SURG 8019 Plastic Surgery**

Course Director, Mickey Gordon, MD. Course Coordinator, Mandy Whitton, 303-724-2792.

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

**SURG 8020 Vascular Surg Research**

Course Director, Mark Nehler, MD. Course Coordinator, Janice Frary, 303-724-2681. 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.

**SURG 8021 Surgical Critical Care**

Course Director, Carlton Barnett, MD., 303-436-5402. Course Coordinator, Ron Fresquez, 303-436-6575.

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

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

**SURG 8030 Clinical Transplantation**

Course Director, Michael Wachs, MD. Course Coordinator, Bretlyn Davis, 303-848-0878.

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

**SURG 8100 SURG Elective Away**

Course Director, Thomas A. Whitehill, MD. Course Coordinator, Janice Frary, 303-724-2681.

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. These must be completed at least one month in advance of start. This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

**SURG 8600 Research in Surgery**

Course Director, Thomas A. Whitehill, MD. Course Coordinator, Janice Frary, 303-724-2681.

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: 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.

**SURG 8630 SURG Research Away**

Course Director, Thomas A. Whitehill, MD. Course Coordinator, Janice Frary, 303-724-2681.

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.