**ANES8000  Clinical Anesthesiology**

**Description:** 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.

**Course Activities:** Students will be expected to perform pre-operative assessment, formulate basic anesthetic plan, and see that plan carried out through the peri-operative period. Students will be under direct supervision by Anesthesiology residents as well as Faculty attendings.

**ANES8001  Surgery Intensive Care Sub-I**

**Description:** The goal is to prepare MSIV’s for internship by having them manage ‘their’ patients, present on multidisciplinary rounds, call consults, assist/performing procedures, discuss clinical topics & receive didactics. Honors requires clinical excellence and a written paper.

**Course Activities:** During the Sub-Internship in Surgical Critical Care at the University of Colorado, students are expected to advance their knowledge, skills and attitudes needed to provide perioperative care for critically ill adult surgical patients. It is expected that students will function more independently during their sub-internship than they did during their Phase 3 training. By the completion of the rotation, the sub-intern should be able to function at or near the level of an intern with respect to the objectives of the rotation. In general, the sub-intern will move beyond the observation and participation phase and into the role of the primary provider.
ANES8002  ANES Subspecialties

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

Course Activities: Students will be expected to perform pre-operative assessment, formulate basic anesthetic plan, and see that plan carried out through the peri-operative period. Students will be under direct supervision by Anesthesiology residents as well as Faculty attendings.

Duration: 2 or 4 weeks  Enrollment Min: 1  Max: 4
Coordinator: Krystle Wetherbee  Course Director: Bryan Ahlgren
krystle.wetherbee@ucdenver.edu  bryan.ahlgren@ucdenver.edu
Sub-I: No  Approval Required: No  Semester Offered: Summer;Fall;Spring  Semester 2-Wk Offered: All
Grading: Honor/High Pass or Pass/Fail (<4 wks)  Course Format: Clinical  Location:
Sections Available: Available in all sections  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/Yes  Int'l/ Yes
Prerequisites / Restrictions: Additional Information:

ANES8100  ANES Elective Away

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

Course Activities: Activities will vary based on the away site of choice

Duration: 2 or 4 weeks  Enrollment Min: 0  Max: 99
Coordinator: Krystle Wetherbee  Course Director: Bryan Ahlgren
krystle.wetherbee@ucdenver.edu  bryan.ahlgren@ucdenver.edu
Sub-I: No  Approval Required: Yes  Semester Offered: Summer;Fall;Spring  Semester 2-Wk Offered: All
Grading: Pass/Fail  Course Format: Away  Location:
Sections Available: Available in all sections  Longitudinal Course: No  Accept Visiting Students: MD/No  DO/No  Int'l/ No
Prerequisites / Restrictions: Additional Information:

ANES8600  Research Anesthesiology

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

Course Activities: Scholarly research. Specific activities created by the student and mentor based on the project.

Duration: 2, 4, 8 weeks  Enrollment Min: 0  Max: 99
Coordinator: Krystle Wetherbee  Course Director:
krystle.wetherbee@ucdenver.edu
Sub-I: No  Approval Required: Yes  Semester Offered: Summer;Fall;Spring  Semester 2-Wk Offered: All
Grading: Pass/Fail  Course Format: Research/Scholarly Activity  Location:
Sections Available: Available in all sections  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/Yes  Int'l/ Yes
Prerequisites / Restrictions: Additional Information:

Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

Description: This course allows students to complete a research project in Anesthesiology.
ANES8630  **ANES Research Away**  

**Description:** This Anesthesiology research elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to start. Additionally, international sites must be approved by Student Affairs.

**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.

**Coordinator:** Krystle Wetherbee  
krystle.wetherbee@ucdenver.edu

**Course Director:**

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Grading:** Pass/Fail

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ No  DO/ No  Int'l/ No

**Duration:** 2, 4, 8 weeks  
**Enrollment Min:** 0  
**Max:** 99

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DERM8000  **Dermatology Clinical Elective**  

**Description:** 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.

**Course Activities:** Students will rotate through subspecialty clinics including pediatrics, adults, surgery and more. Much time will be spent at the Denver VAMC where there are many opportunities to participate in supervised procedures including cryosurgery, biopsies, excisions and consultations.

**Coordinator:** Amina Hashem  
amina.hashem@ucdenver.edu

**Course Director:** Cory Dunnick  
cory.dunnick@ucdenver.edu

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Grading:** Pass/Fail

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ No  DO/ No  Int'l/ No

**Duration:** 2 weeks

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ No  DO/ No  Int'l/ No

**Prerequisites / Restrictions:** Two week rotations only

**Additional Information:**

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DERM8001  **Dermatology Clerkship**  

**Description:** 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.

**Course Activities:** Students will rotate through subspecialty clinics including pediatrics, adults, surgery and more. Much time will be spent at the Denver VAMC where there are many opportunities to participate in supervised procedures including cryosurgery, biopsies, excisions and consultations.

**Coordinator:** Amina Hashem  
amina.hashem@ucdenver.edu

**Course Director:** Cory Dunnick  
cory.dunnick@ucdenver.edu

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Grading:** Honor/High Pass

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ Yes  DO/ No  Int'l/ No

**Duration:** 4 weeks

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ Yes  DO/ No  Int'l/ No

**Prerequisites / Restrictions:** 4 week rotations only

**Additional Information:**

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**Revised:** 10/26/2016
DERM8300  DERM Elective Away

**Description:** 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 Activities:** Activities will vary based on the away site of choice.

**Coordinator:** Amina Hashem
amina.hashem@ucdenver.edu

**Course Director:** Cory Dunnick
cory.dunnick@ucdenver.edu

**Duration:** 2 or 4 weeks

**Enrollment**
Min: 0  Max: 99

**Sub-I:** No  **Approval Required:** Yes  **Semester Offered:** Summer; Fall; Spring  **Semester 2-Wk Offered:** All

**Grading:** Pass/Fail

**Sections Available:** Available in all sections

**Longitudinal Course:** No  **Accept Visiting Students:** MD/No  DO/No  Int'l/ No

**Prerequisites**
Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

**Additional Information:**

**DERM8600  Research in Dermatology**

**Description:** 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.

**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.

**Coordinator:** Amina Hashem
amina.hashem@ucdenver.edu

**Course Director:** Cory Dunnick
cory.dunnick@ucdenver.edu

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

**Enrollment**
Min: 0  Max: 99

**Sub-I:** No  **Approval Required:** Yes  **Semester Offered:** Summer; Fall; Spring  **Semester 2-Wk Offered:** All

**Grading:** Pass/Fail

**Sections Available:** Available in all sections

**Longitudinal Course:** No  **Accept Visiting Students:** MD/Yes  DO/No  Int'l/ No

**Prerequisites**
Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

**Additional Information:**

**DERM8630  DERM Research Away**

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

**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.

**Coordinator:** Amina Hashem
amina.hashem@ucdenver.edu

**Course Director:** Cory Dunnick
cory.dunnick@ucdenver.edu

**Duration:** 2, 4, 8 weeks

**Enrollment**
Min: 1  Max: 99

**Sub-I:** No  **Approval Required:** Yes  **Semester Offered:** Summer; Fall; Spring  **Semester 2-Wk Offered:** All

**Grading:** Pass/Fail

**Sections Available:** Available in all sections

**Longitudinal Course:** No  **Accept Visiting Students:** MD/No  DO/No  Int'l/ No

**Prerequisites**
Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

**Additional Information:**
Emergency Medicine

EMED8004  Emergency Med Univ Hosp

Duration: 2 or 4 weeks  Enrollment Min: 0  Max: 4
Coordinator:  Katie Rowan  Course Director:  Michael Overbeck
katie.rowan@ucdenver.edu  michael.overbeck@ucdenver.edu
Sub-I:  No  Approval Required:  No  Semester Offered: Spring  Semester 2-Wk Offered: Spring
Grading:  Honor/High Pass or Pass/Fail (<4 wks)  Course Format:  Clinical  Location: UCH
Sections Available:  Available Sections 33-48  Longitudinal Course:  No  Accept Visiting Students:  MD/Yes  DO/No  Int’l/ No
Prerequisites / Restrictions:  Additional Information:
Description:  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.
Course Activities:  Patient Care: Students will gain familiarity with the unique approach to the emergency patient, the evaluation of the acutely ill and injured, and the concepts of resuscitation, which will be beneficial in any clinical setting.

EMED8005  Emergency Medicine DHMC

Duration: 4 weeks  Enrollment Min: 1  Max: 4
Coordinator:  Marie Bluitt  Course Director:  David Richards
marie.bluitt@dhha.org  david.richards@dhha.org
Sub-I:  No  Approval Required:  No  Semester Offered: Spring  Semester 2-Wk Offered:
Grading:  Honor/High Pass  Course Format:  Clinical  Location: DHMC
Sections Available:  Offered  Longitudinal Course:  No  Accept Visiting Students:  MD/Yes  DO/Yes  Int’l/ No
Prerequisites / Restrictions:  Additional Information:
Description:  This rotation is designed for the senior medical student who may be applying to primary care or other specialties who wants to gain exposure to emergency medicine.
Course Activities:  Patient Care: Students will gain familiarity with the unique approach to the emergency patient, the evaluation of the acutely ill and injured, and the concepts of resuscitation, which will be beneficial in any clinical setting.

EMED8006  Emer Med Career Elective

Duration: 4 weeks  Enrollment Min: 1  Max: 14
Coordinator:  Marie Bluitt  Course Director:  David Richards
marie.bluitt@dhha.org  david.richards@dhha.org
Sub-I:  No  Approval Required:  No  Semester Offered: Summer; Fall;  Semester 2-Wk Offered:
Grading:  Honor/High Pass  Course Format:  Clinical  Location: DHMC
Sections Available:  Available Sections 1-32  Longitudinal Course:  No  Accept Visiting Students:  MD/Yes  DO/Yes  Int’l/ No
Prerequisites / Restrictions:  21.
Description:  This rotation is specially designed for the senior medical student who has decided on emergency medicine as a career and will be applying to emergency medicine residencies.
Course Activities:  Patient Care: Students will gain familiarity with the unique approach to the emergency patient, the evaluation of the acutely ill and injured, and the concepts of resuscitation, which will be beneficial in any clinical setting.
EMED8017  **Peds Emergency DHMC**

**Description:** 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.

**Course Activities:** Patient Care: Students will gain familiarity with the unique approach to the emergency patient, the evaluation of the acutely ill and injured, and the concepts of resuscitation, which will be beneficial in any clinical setting.

**Coordinator:** Marie Bluitt  
marie.bluitt@dhha.org  

**Course Director:** David Richards  
david.richards@dhha.org  

**Duration:** 2 or 4 weeks  
**Enrollment** Min: 1  Max: 2

**Sub-I:** No  
**Approval Required:** Yes  

**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Grading:** Honor/High Pass or Pass/Fail (<4 wks)

**Course Format:** Clinical  
**Location:** DHMC

**Sections Available:** Available in all sections

**Prerequisites**/ **Restrictions:** Department approval must be obtained and then approval by the Associate Dean for Student Affairs.

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

**Description:** 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.

**Course Activities:** Patient Care: Students will gain familiarity with the unique approach to the emergency patient, the evaluation of the acutely ill and injured, and the concepts of resuscitation, which will be beneficial in any clinical setting.

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EMED8024  **Clinical Toxicology**

**Description:** Introduction to Medical Toxicology at Rocky Mountain Poison and Drug Center. Participation in Clinical service, inpatient consultative care at DHMC/UH. Conferences and didactic instruction provided weekly. Short presentations required. Exposed to fundamentals of environmental toxicology, public health concerns, occupational toxicology.

**Course Activities:** Students attend lectures and rounds every day. Student prepare a 10-20 minute presentation on a specific topic in toxicology. The topics must be pre-approved by one of the fellows or the attending. Students complete a 2 hour observation at Poison Center – listening in on calls with Poison Center nurse. Students also have chapter reviews and self-learning modules -- http://rmpdc.org/ResourceForResidentsandStudents.aspx. Students may assist in research activities. Taking call with the fellow is optional.

**Coordinator:** Darlene Vigil  
darlene.vigil@rmpdc.org  

**Course Director:** Chris Hoyte  
christopher.hoyte@ucdenver.edu  

**Duration:** 4 weeks  
**Enrollment** Min: 1  Max: 2

**Sub-I:** No  
**Approval Required:** No  

**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**

**Grading:** Pass/Fail

**Course Format:** Clinical  
**Location:**

**Sections Available:** Available in all sections

**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes  DO/Yes  Int'l/ Yes

**Prerequisites**/ **Restrictions:**

**Additional Information:** Students must complete rotation checklist and evaluations. Student evaluations will not be completed until their checklist is turned in. Students are evaluated by faculty, fellows, and rotators. Location is the Rocky Mountain Poison and Drug Center.

**Description:** Introduction to Medical Toxicology at Rocky Mountain Poison and Drug Center. Participation in Clinical service, inpatient consultative care at DHMC/UH. Conferences and didactic instruction provided weekly. Short presentations required. Exposed to fundamentals of environmental toxicology, public health concerns, occupational toxicology.

**Course Activities:** Students attend lectures and rounds every day. Student prepare a 10-20 minute presentation on a specific topic in toxicology. The topics must be pre-approved by one of the fellows or the attending. Students complete a 2 hour observation at Poison Center – listening in on calls with Poison Center nurse. Students also have chapter reviews and self-learning modules -- http://rmpdc.org/ResourceForResidentsandStudents.aspx. Students may assist in research activities. Taking call with the fellow is optional.

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EMED8030  **Rural Emergency Medicine**

**Description:** 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/

**Course Activities:** Clinical practice in a rural EM setting

**Coordinator:** Angela Choi  
angela.choi@ucdenver.edu  

**Course Director:** Bonnie Kaplan  
bonnie.kaplan@ucdenver.edu  

**Duration:** 2 or 4 weeks  
**Enrollment** Min: 0  Max: 10

**Sub-I:** No  
**Approval Required:** Yes  

**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Grading:** Pass/Fail

**Course Format:** Clinical  
**Location:** Away

**Sections Available:** Available in all sections

**Longitudinal Course:** No  
**Accept Visiting Students:** MD/No  DO/Int'l/ Int'l

**Prerequisites**/ **Restrictions:** Department approval must be obtained and then approval by the Associate Dean for Student Affairs.

**Additional Information:**

**Description:** 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/

**Course Activities:** Clinical practice in a rural EM setting
**EMED8031 Wilderness Medicine**

**Description:** 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.

**Course Activities:** Practice disaster triage, searching with avalanche beacons, practice building transports for patients in remote settings, and discuss case scenarios covering all wilderness medicine topics.

**Coordinator:** Cathy Maciel  
**Course Director:** Barbara Blok  
**barbara.blok@ucdenver.edu**

**Duration:** 2 weeks  
**Enrollment Min:** 15  
**Max:** 26

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**EMED8100 EMED Elective Away**

**Description:** 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 Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.

**Coordinator:** Angela Choi  
**Course Director:** Bonnie Kaplan  
**bonnie.kaplan@ucdenver.edu**

**Duration:** 2 or 4 weeks  
**Enrollment Min:** 0  
**Max:** 99

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**EMED8600 Research in EMED**

**Description:** 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.

**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.

**Coordinator:** Meggan Schmidt  
**Course Director:** Jason Haukoos  
**jason.haukoos@dhha.org**

**Duration:** 2, 4, 8 or 12 week  
**Enrollment Min:** 1  
**Max:** 4

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**Revised: 10/26/2016**
EMED8630  EMED Research Away

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

Course Activities:
Act as part of a research team at an outside institution.

Duration: 2, 4, 8 weeks
Enrollment Min: 1 Max: ##
Coordinator: Angela Choi
angela.choi@ucdenver.edu
Course Director: Bonnie Kaplan
bonnie.kaplan@ucdenver.edu
Sub-I: No Approval Required: Yes Semester Offered: Summer; Fall; Spring Semester 2-Wk Offered: All
Grading: Pass/Fail
Course Format: Research/Scholarly Activity Location: Away
Sections Available: Available in all sections Longitudinal Course: No Accept Visiting Students: MD/ No DO/ Int'l/
Prerequisites / Restrictions: Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

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

Course Activities: Act as part of a research team at an outside institution.

FMMD8002  Fam Med Univ Hosp Sub-I

Description:
Experience CU Family Medicine! Students will be members of the inpatient service team at the Anschutz Inpatient Pavilion, take call, and have the option of spending two half days at the A.F. Williams Family Medicine Center (outpatient clinic).

Course Activities: As a Sub-Intern students will engage in all patient care and medical team responsibilities and activities at the level of an acting intern.

Duration: 4 weeks
Enrollment Min: 1 Max: 1
Coordinator: Lisa Martinez
lisa.p.martinez@ucdenver.edu
Course Director: Jessica Devitt
jessica.devitt@ucdenver.edu
Sub-I: Yes Approval Required: No Semester Offered: Summer; Fall; Spring Semester 2-Wk Offered:
Grading: Honor/High Pass
Course Format: Clinical Location: UCH
Sections Available: Available in all sections accept Section 9 Longitudinal Course: No Accept Visiting Students: MD/ Yes DO/ Yes Int'l/ No
Prerequisites / Restrictions: Additional Information:

Description: Experience CU Family Medicine! Students will be members of the inpatient service team at the Anschutz Inpatient Pavilion, take call, and have the option of spending two half days at the A.F. Williams Family Medicine Center (outpatient clinic).

Course Activities: As a Sub-Intern students will engage in all patient care and medical team responsibilities and activities at the level of an acting intern.

FMMD8007  Out-Patient Family Med

Description:
This course includes 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 care for a diverse group of patients.

Course Activities: Students will engage in all patient care and team responsibilities and activities in the care of patients at AF Williams

Duration: 4 weeks
Enrollment Min: 1 Max: 1
Coordinator: Lisa Martinez
lisa.p.martinez@ucdenver.edu
Course Director: Caroline LeClair
caroline.leclair@ucdenver.edu
Sub-I: No Approval Required: No Semester Offered: Fall; Spring Semester 2-Wk Offered:
Grading: Honor/High Pass
Course Format: Clinical Location:
Sections Available: Available Sections 17-51 Longitudinal Course: No Accept Visiting Students: MD/ Yes DO/ Yes Int'l/ No
Prerequisites / Restrictions: Additional Information:

Description: This course includes 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 care for a diverse group of patients.

Course Activities: Students will engage in all patient care and team responsibilities and activities in the care of patients at AF Williams
**FMMD8008  Occup/Envir Med In FM**

**Description:** 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 based on their availability.

**Course Activities:** Work with Family Medicine Doctors for exposure and education about work related conditions and illnesses.

**Coordinator:** Steven Cruse  
steven.cruse@ucdenver.edu  

**Course Director:** Julie Paranka  
julie.paranka@ucdenver.edu

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Pass/Fail  
**Course Format:** Clinical  
**Location:**

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ No  
DO/ No  Int'l/ No

**Prerequisites / Restrictions:** Course director approval required to add this elective as it depends on occupational physician availability.

**Description:** 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 based on their availability.

**Course Activities:** Work with Family Medicine Doctors for exposure and education about work related conditions and illnesses.

**FMMD8012  Oral Health: Acute Dental**

**Description:** 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.

**Course Activities:** Online self-study materials  
Textbook of regional anesthesia  
Participation in dental acute care clinic  
Night/weekend call for acute oral problems with dental residents and faculty

**Coordinator:** Melanie DeHerrera  
melanie.deherrera@ucdenver.edu  

**Course Director:** Mark Deutchman  
mark.deutchman@ucdenver.edu

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Pass/Fail  
**Course Format:** Clinical  
**Location:** SOM

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ No  
DO/ No  Int'l/ No

**Prerequisites / Restrictions:** Contact Dr. Deutchman to schedule.

**Description:** 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.

**Course Activities:** Online self-study materials  
Textbook of regional anesthesia  
Participation in dental acute care clinic  
Night/weekend call for acute oral problems with dental residents and faculty

**FMMD8014  PCMH: Concept & Practice**

**Description:** Learn 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.

**Course Activities:** Exposure and education about the Patient Centered Medical Home and how it improves patient care and how to implement it in a working medical practice.

**Coordinator:** Steven Cruse  
steven.cruse@ucdenver.edu  

**Course Director:** Scott Hammond  
rsh.wmc@gmail.com

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Spring  
**Semester 2-Wk Offered:** Spring  
**Grading:** Pass/Fail  
**Course Format:** Clinical  
**Location:**

**Sections Available:** Available Section 39-40 only  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ No  
DO/ No  Int'l/ No

**Prerequisites / Restrictions:** Prior approval by the Course Director and coordinator needed

**Description:** Learn 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.

**Course Activities:** Exposure and education about the Patient Centered Medical Home and how it improves patient care and how to implement it in a working medical practice.
**FMMD8016  Colorado FMRs Sub-I**

**Coordinator:** Steven Cruse  
steven.cruse@ucdenver.edu

**Course Director:** Julie Paranka  
julie.paranka@ucdenver.edu

**Sub-I:** Yes  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**  
**Duration:** 4 weeks  
**Enrollment Min:** 1  
**Max:** 9

**Grading:** Honor/High Pass  
**Course Format:** Clinical  
**Location:** Away

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ No DO/ No Int’l/ No

**Prerequisites**  
This Sub-I is available at Grand Junction, Greeley, Ft. Collins, Pueblo, Rose, St. Antony, St. Joseph and Swedish FM Residency Programs. Application to and prior approval by the individual residency program is needed.

**Description:** Sub-Internship level experience in managing inpatient problems common to Family Medicine hospital services at any of the eight ACGME accredited Colorado FM Residency Programs.

**Course Activities:** As a Sub-Intern students will engage in all patient care and team responsibilities and activities that at the level of an Acting Intern.

**FMMD8100  FMMD Elective Away**

**Coordinator:** Steven Cruse  
steven.cruse@ucdenver.edu

**Course Director:** Julie Paranka  
julie.paranka@ucdenver.edu

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Grading:** Pass/Fail  
**Course Format:** Away  
**Location:** Away

**Sections Available:** Available in all sections

**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ No DO/ No Int’l/ No

**Prerequisites**  
Must work with a family physician. Students must have learning objectives approved by course director. Site training agreement must be in place.

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

**Course Activities:** Participate in patient care at a Family Medicine clinic and/or inpatient unit at the level of a Phase Four Medical Student.

**FMMD8400  International FM**

**Coordinator:** Steven Cruse  
steven.cruse@ucdenver.edu

**Course Director:** Julie Paranka  
julie.paranka@ucdenver.edu

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**  
**Duration:** 4, 8 or 12 weeks  
**Enrollment Min:** 1  
**Max:** 99

**Grading:** Pass/Fail  
**Course Format** Away  
**Location:** Away

**Sections Available:** Available in all sections

**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ No DO/ No Int’l/ No

**Prerequisites**  
May not register for final 6 weeks of academic year.  
**Restrictions:** Supervising physician MUST be a family physician.

**Description:** Management of Family Medicine problems common to countries outside of the United States. Inpatient and outpatient experiences with a family physician are acceptable. Successful International Experiences sessions are required. Arrangements including registering with "Studio Abroad" must be completed 90 days prior to the elective.

**Course Activities:** Participate in a clinical setting while utilizing and expanding a foreign (to English) language, thus improving medical language skills and patient interaction in said language.
**Research in FM**

**Coordinator:** Steven Cruse  
[steven.cruse@ucdenver.edu](mailto:steven.cruse@ucdenver.edu)

**Course Director:** Julie Paranka  
[julie.paranka@ucdenver.edu](mailto:julie.paranka@ucdenver.edu)

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Grading:** Pass/Fail

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

**Course Format:** Research/Scholarly Activity

**Location:**

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

**Course Activities:** This is an elective to further scholarship in Family Medicine. An elective plan will be developed with a Family Medicine mentor. Learning activities vary with the type of scholarly work proposed. Activities mirror personal goals and objectives approved by the course director.

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**Interdepartmental**

**Foundations Doctoring IV**

**Coordinator:** Veronica Paradise  
[veronica.paradise@ucdenver.edu](mailto:veronica.paradise@ucdenver.edu)

**Course Director:** Kristin Furfari  
[kristin.furfari@ucdenver.edu](mailto:kristin.furfari@ucdenver.edu)

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**

**Grading:** Pass/Fail

**Duration:** 1 week for Summer

**Course Format:** Clinical

**Location:**

**Prerequisites / Restrictions:** After registering please e-mail Veronica Paradise at Foundations.Doctoring@ucdenver.edu. For graduation requirements this course counts one week for summer semester and two weeks each for fall and spring semesters.

**Description:** This course continues the established student-preceptor relationship from the FDC course. Students work with their preceptor caring for patients at least 2-3 times per month (8-12 hours.)

**Course Activities:** Students participate in the clinical care of their preceptor’s patients and may have experiences of continuity with patients not present in the other clinical exposure. Requirements are 24 hours (6 sessions) for summer semester and 48 hours (12 sessions) for fall or spring semester.
IDPT8001  **Tutoring in Foundations**  
**Duration:** 1 week each for Fall;Spring  
**Enrollment**  
**Min:** 1  
**Max:** 99  

**Coordinator:** Meleah Himber  
meleah.himber@ucdenver.edu  

**Course Director:** Wendy Madigosky  
wendy.madigosky@ucdenver.edu  

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Fall;Spring  
**Semester 2-Wk Offered:**  

**Grading:** Pass/Fail  
**Course Format** Didactic  
**Location:**  

**Description:** Fourth year students are trained how to be tutors and then use their skills with first and second year students learning physical exam, communication, other clinical skills and professional development. Students learn how to facilitate small groups of students, give feedback and evaluate student performance.  

**Course Activities:** Students will learn a variety of teaching roles depending upon their participation: small group facilitators, communication coach, physical exam/clinical skills tutors  

IDPT8003  **Geriatrics**  
**Duration:** 4 weeks  
**Enrollment**  
**Min:** 1  
**Max:** 2  

**Coordinator:** Andrea Chisel  
andrea.chisel@ucdenver.edu  

**Course Director:** Skotti Church  
skotti.church@ucdenver.edu  

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer;Fall;Spring  
**Semester 2-Wk Offered:**  

**Grading:** Pass/Fail  
**Course Format** Clinical  
**Location:** UCH, VA  

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/No DO/No Int’l/ No  

**Prerequisites**  
**/ Restrictions:**  
**Additional Information:**  

**Description:** Geriatrics elective will provide clinic exposure to caring for older adults in the outpatient primary care and home settings. Learning objectives focus on the special needs of frail or chronically ill older adults and resources beyond direct physician care utilized for this population. Students will spend one on one time with geriatricians and focus on communications skills and history taking for medically complicated patients.  

**Course Activities:** Approximately 4-half days of clinical activities with a variety of geriatric medicine attendings including outpatient primary care clinic and Home Based Primary Care
IDPT8007  Medicine / Pediatrics  
Duration: 2 or 4 weeks  
Enrollment  Min: 1  Max: 1  
Coordinator: Danaa Kennedy  
cdanaa.kennedy@ucdenver.edu  
Course Director: Kristin Jensen  
kristin.jensen@ucdenver.edu  
Sub-I: No  
Approval Required: Yes  
Semester Offered: Summer;  
Semester 2-Wk Offered:  
Grading: Pass/Fail  
Course Format Clinical  
Location: UCH, CHCO, DHMC, National Jewish Hospital, High Street Clinic  
Sections Available: Available Sections 13, 17, 21 and 25  
Prerequisites Course director approval required to add this course.  
Restrictions: Visit Website: http://medschool.ucdenver.edu/medpeds  
Additional Information: 2 week sessions may be available with course director approval. Students will need Epic access at UCH and Children’s  
Description: This focus of this elective is to help students discern whether to pursue combined residency training in Internal Medicine and Pediatrics. This course will expose students to possible career paths available for Med-Peds providers within primary and specialty care settings.  
Course Activities: Clinical Experiences will be primarily outpatient with Med-Peds Providers. Each month of the elective may vary slightly based on the availability of Med-Peds preceptors, but the typical experience will include:  
- Primary Care: Denver Health, Adolescent Medicine Clinic, Special Care Clinic, High Street Clinic,  
- Specialty Care: Adult Congenital Heart Disease Clinic, Cystic Fibrosis Clinic, Pediatric Pulmonology Clinic, HIV Clinic  
Independent Learning & Enrichment:  
- At the start of the rotation, students will be asked to create 3-5 learning goals for their rotation.  
- Students will be given a list of questions to ask each provider they rotate with, so that they can compile impressions about what Med-Peds physicians can do with their training and how that might fit into the student’s personal and professional goals.  
- Students will be given educational resources from the National Med-Peds Residency Association and key articles that highlight the work of Med-Peds physicians.  
- Students will be asked to write a 2-5 page reflection paper to be turned in by the end of the rotation to be based on their clinical experiences, learning goals, and impressions from their independent learning activities.  

IDPT8011  Clinical Nutrition  
Duration: 2 weeks  
Enrollment  Min: 1  Max: 1  
Coordinator: Laura Primak  
laura.primak@ucdenver.edu  
Course Director: Nancy Krebs  
nancy.krebs@ucdenver.edu  
Sub-I: No  
Approval Required: No  
Semester Offered: Summer; Fall; Spring  
Semester 2-Wk Offered: All  
Grading: Pass/Fail  
Course Format Clinical  
Location: Kaiser in Denver, WIC  
Sections Available: Available in all sections  
Longitudinal Course: No  
Accept Visiting Students: MD/No  DO/No  Int’l/ No  
Prerequisites Contact laura.primak@ucdenver.edu at least 4 weeks prior to start date with interests in nutrition.  
Restrictions:  
Additional Information:  
Description: Develop your nutrition assessment skills with this elective, tailored to your needs with adult and/or pediatric inpatients and/or outpatients with a variety of conditions and diseases. Active learning with exceptional mentors is emphasized. Please confirm areas of nutrition interest with course coordinator at least one month prior to start to facilitate scheduling in desired areas.  
Course Activities: Since this is a clinical elective, time is spent seeing patients with physicians who run nutrition specialty clinics, mid-level nutrition medical providers, and registered dietitians. There are a variety of outpatient nutrition clinics from which to choose, as well as inpatient opportunities. Time can be spent in pediatrics, adult medicine, adolescent medicine, or combinations of those areas learning about the nutrition care for a variety of chronic diseases and issues. There is some self-directed learning time during the elective with suggested readings, online web-based modules, and a brief written assignment.
**IDPT8014  Global Health US Project**  
**Duration:** 4 or 8 weeks  
**Enrollment**  
**Min:** 0  
**Max:** 99  
**Coordinator:** Jessica Hitt-Laustsen  
**Course Director:** Madiha Abdel-Maksoud  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**  
**Grading:** Pass/Fail  
**Course Format:** Research/Scholarly Activity  
**Location:**  
**Description:** 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.

**IDPT8015  Global Health Intl Project**  
**Duration:** 4 or 8 weeks  
**Enrollment**  
**Min:** 0  
**Max:** 99  
**Coordinator:** Jessica Hitt-Laustsen  
**Course Director:** Madiha Abdel-Maksoud  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**  
**Grading:** Pass/Fail  
**Course Format:** Research/Scholarly Activity  
**Location:**  
**Description:** 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.

**IDPT8016  Physician as Educator**  
**Duration:** 1 week per semester  
**Enrollment**  
**Min:** 5  
**Max:** 30  
**Coordinator:** Steven Cruse  
**Course Director:** Wendy Madigosky  
**Approval Required:** No  
**Semester Offered:** Fall; Spring  
**Semester 2-Wk Offered:**  
**Grading:** Pass/Fail  
**Course Format:** Didactic  
**Location:**  
**Description:** This elective is intended to develop your skills as an effective teacher in clinical and classroom settings. This will include participation in evening teaching workshops, co-precepting first and second year medical students at Stout Street Clinic and Foundations of Doctoring skills sessions.

**Course Activities:** 1. Workshops: attend at least 6 (of the 8) evening workshops. 2. Teaching practicum assignments: 4 Wednesday Evening Clinics at Stout Street, 6 Classroom teaching experiences. 3. Objective Structures Teaching Exam (OSTE): One session at the CAPE beginning with training December 2016 OR May 2017.
**IDPT8018  Global Health & Disaster**

**Duration:** 2 weeks  
**Enrollment**  
**Min:** 5  
**Max:** 35

**Coordinator:** Michelle Shiver  
[michelle.shiver@ucdenver.edu](mailto:michelle.shiver@ucdenver.edu)  
**Course Director:** Stephen Berman  
[stephen.berman@childrenscolorado.org](mailto:stephen.berman@childrenscolorado.org)

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Fall;  
**Semester 2-Wk Offered:** Fall;

**Grading:** Pass/Fail  
**Course Format:** Didactic  
**Location:** SOM

**Sections Available:** Available Section 23-24 only  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes  
**DO/Yes**  
**Int'l/ Yes**

**Prerequisites / Restrictions:**

**Description:** This international health course is a two week training offered once a year as part of the University of Colorado School of Medicine Global Health Track. This course prepares its participants for international experiences and future global health work. The interactive training incorporates readings, lectures, small group problem based learning exercises, technical skill sessions, and a disaster simulation exercise.

**Course Activities:** The global health week of the course is mainly lecture with a splattering of interactive case study review, small group sessions, lab and a labor and delivery workshop. The pediatrics in disasters week of the course is a balance of lecture and break out with a final day of active disaster simulation which we refer to as a field drill.

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**IDPT8019  Team-based Clinical Care**

**Duration:** 1 week per semes  
**Enrollment**  
**Min:** 1  
**Max:** 99

**Coordinator:**  
**Course Director:** Emily Gottenborg  
[emily.gottenborg@ucdenver.edu](mailto:emily.gottenborg@ucdenver.edu)

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Fall;Spring  
**Semester 2-Wk Offered:**

**Grading:** Pass/Fail  
**Course Format:** Clinical  
**Location:** UCH

**Sections Available:** Available in section 17 and 33  
**Longitudinal Course:** Yes  
**Accept Visiting Students:** MD/No  
**DO/No**  
**Int'l/ No**

**Prerequisites / Restrictions:**

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

**Course Activities:** Three activities as described below:

1) **Voice of the patient:** Interview 6-8 patients about their healthcare experiences in a team of interprofessional students

2) **Adverse Event Analysis:** Attend an Interprofessional Case Review or Morbidity and Mortality Conference and analyze the patient safety event using a standardized approach to Just Culture

3) **Creation of Executive Summary:** Work with a team of interprofessional students to identify a problem or inefficiency in the healthcare system, analyze it using cause & effect analysis and other QI tools, and provide actionable recommendations in the form of an Executive Summary that will be distributed to a functioning QI team within the healthcare system.
**IDPT8020  Physician as Advisor**

**Description:** 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.

**Course Activities:** Students will complete MBTI workshop. Students will participate in workshops around resilience, values, planning and goal setting. Student leaders meet monthly to share ideas, trouble-shoot issues, plan activities. Student leaders will submit reflection paper at the end of the course.

**Duration:** 1 week per semester  
**Enrollment** Min: 16  Max: 32

**Coordinator:**  
**Course Director:**

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Fall;Spring  
**Semester 2-Wk Offered:** 

**Grading:** Pass/Fail  
**Course Format:** Didactic  
**Location:** SOM

**Sections Available:** Available in section 17 and 33  
**Longitudinal Course:** Yes  
**Accept Visiting Students:** MD/No  DO/No  Int'l/ No

**Prerequisites**  
**Restrictions:** Must be an Advisory College Student Leader

**Additional Information:** This is a two semester course offered fall and spring semesters. For graduation requirements, each semester counts one week. Schedule to be determined by group. We usually meet 3-4 times per year with faculty mentors for planning, goal setting, and traini

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**IDPT8021  Costa Rica Spanish Immersion**

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

**Course Activities:** This elective includes intensive classroom instruction in Spanish, taught in a medical context. In addition, students will be expected to speak Spanish with their host families, their patients, their colleagues, the course supervisors and with local health care experts and mentors in Costa Rica.

**Duration:** 4 weeks  
**Enrollment** Min: 1  Max: 10

**Coordinator:** Rory Foster  
**Course Director:** Steven Lowenstein  
rfoster@commongroundinternational.com  
steven.lowenstein@ucdenver.edu

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Spring  
**Semester 2-Wk Offered:** 

**Grading:** Pass/Fail  
**Course Format:** Away  
**Location:** Away

**Sections Available:** Available Sections 37-40 only  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/No  DO/No  Int'l/ No

**Prerequisites**  
**Restrictions:** Open to students at all levels of Spanish proficiency. Students who have not studied Spanish in the past should plan to work on improving their Spanish in the months preceding the rotation. Registered students have free access to Common Ground Internation

**Additional Information:**

**Description:** This is a two semester course offered fall and spring semesters. For graduation requirements, each semester counts one week. Schedule to be determined by group. We usually meet 3-4 times per year with faculty mentors for planning, goal setting, and traini

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Revised: 10/26/2016
**IDPT8022  Clinical Medical Spanish**

**Coordinator:** Rory Foster  
**Course Director:** Lindsey Fish  
rfoster@commongroundinternational.com  
lindsey.fish@dhha.org

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Fall;  
**Semester 2-Wk Offered:**

**Grading:** Pass/Fail  
**Course Format:** Clinical  
**Location:**

**Duration:** 4 weeks  
**Enrollment Min:** 4  
**Max:** 14

**Description:** Clinical Medical Spanish is a near-immersion experience in medical Spanish, consisting of: intensive classroom instruction in medical Spanish; immersion experiences with various Spanish speaking staff in the health care professions primarily at Denver Health; and a focused scholarly project. Estimated expenses of $450, which includes 32 hours of formal classroom instruction, review of homework assignments, and preceptorship experiences.

**Course Activities:**  
- Attend all classroom sessions for practical Spanish language instruction -- 32 hours total  
- Care for Spanish-speaking patients in assigned ambulatory clinic with Spanish-speaking preceptor  
- Complete a scholarly project and provide a class presentation of project  
- Shadow UCH Spanish language translators  
- Spend time on Salud Mobile Health Units to Latino neighborhoods.

**Coordinator:** Course Director:  
Rory Foster  
Lindsey Fish

**Approval Required:** Yes

**Prerequisites / Restrictions:**  
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 required.

**Description:** Clinical Medical Spanish is a near-immersion experience in medical Spanish, consisting of: intensive classroom instruction in medical Spanish; immersion experiences with various Spanish speaking staff in the health care professions primarily at Denver Health; and a focused scholarly project. Estimated expenses of $450, which includes 32 hours of formal classroom instruction, review of homework assignments, and preceptorship experiences.

**Course Activities:**  
- Attend all classroom sessions for practical Spanish language instruction -- 32 hours total  
- Care for Spanish-speaking patients in assigned ambulatory clinic with Spanish-speaking preceptor  
- Complete a scholarly project and provide a class presentation of project  
- Shadow UCH Spanish language translators  
- Spend time on Salud Mobile Health Units to Latino neighborhoods.

**IDPT8023  Refugee Health II**

**Coordinator:**  
Course Director: Jamal Moloo  
jamal.moloo@ucdenver.edu

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall;  
**Semester 2-Wk Offered:** All

**Grading:** Pass/Fail  
**Course Format:** Clinical  
**Location:**

**Duration:** 4 weeks  
**Enrollment Min:** 1  
**Max:** 1

**Description:** Refugee health II will provide students with exposure to the social factors which impact upon the health of refugees in the Denver metro region. Students will work with agencies providing services to refugees and participate in home visits and outreach activities within community settings. The rotation is largely non-clinical and requires approval prior to enrollment.

**IDPT8025  Ultrasound-EM-DHHA**

**Coordinator:** Brooke Baker  
brooke.baker@dhha.org  
**Course Director:** John Kendall  
john.kendall@ucdenver.edu

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Grading:** Pass/Fail  
**Course Format:** Clinical  
**Location:** DHMC

**Duration:** 2 weeks  
**Enrollment Min:** 1  
**Max:** 4

**Description:** 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.

**Course Activities:** This will be a busy 2 week elective as students must complete 200 scans in the 2 weeks. This will take approximately 30-40 hours but the actual schedule is flexible for the student.
IDPT8026  Crit Care & Procedures

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

Duration: 2 weeks  Enrollment Min: 10  Max: 36

Coordinator: Please contact the Course Director  Course Director: Matt Rustici  matthew.rustici@ucdenver.edu

Sub-I: No  Approval Required: No  Semester Offered: Spring  Semester 2-Wk Offered:

Grading: Pass/Fail  Course Format: Didactic  Location: SOM

Sections Available: Available Section 49 only  Longitudinal Course: No  Accept Visiting Students: MD/No  DO/No  Int'l/ No

Prerequisites  / Restrictions:

IDPT8030  Laboratory Medicine

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

Course Activities: This is mostly a didactic lecture series, but hands-on use of ultrasound and non-invasive monitoring is included.

Duration: 4 weeks  Enrollment Min: 1  Max: 50

Coordinator: Gretchen Haroldson  gretchen.haroldson@ucdenver.edu  Course Director: Joel Kniep  joel.kniep@ucdenver.edu

Sub-I: No  Approval Required: No  Semester Offered: Fall;  Semester 2-Wk Offered:

Grading: Pass/Fail  Course Format: Didactic  Location: SOM

Sections Available: Available Section 17 only  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/Yes  Int'l/ No

Prerequisites  / Restrictions:

IDPT8040  Physician as Healthcare Improver

Description: Students complete IHI Open School on-line courses beyond their Basic Certificate of Completion. Course content includes: improvement capability, patient safety, leadership, person and family-centered care, quality, cost and value, and triple aim for populations. Students also reflect on learning and implications for future career.

Course Activities: Students pursue self-directed learning using IHI Open School courses beyond those required for the Basic Certification. Students select course work based on their individual learning goals. Students will also submit a reflective writing assignment related to their learning and implications for their future engagement in healthcare improvement.

Duration: 1 week per semes  Enrollment Min: 1  Max: 99

Coordinator: Meleah Himber  meleah.himber@ucdenver.edu  Course Director: Wendy Madigosky  wendy.madigosky@ucdenver.edu

Sub-I: No  Approval Required: No  Semester Offered: Summer;Fall;Spring  Semester 2-Wk Offered:

Grading: Pass/Fail  Course Format: Didactic  Location:

Sections Available: Available in sections 5, 17 and 33  Longitudinal Course: Yes  Accept Visiting Students: MD/No  DO/No  Int'l/ No

Prerequisites  / Restrictions: After registering please e-mail Meleah.Himber@ucdenver.edu. For graduation requirements this course counts one week per semester. Only one semester may be taken.

Additional Information:
IDPT8041  Quality Improvement Practicum

Coordinator: 

Course Director: Hemali Patel
hemali.patel@ucdenver.edu

Sub-I: No  Approval Required: No  Semester Offered: Fall;Spring  Semester 2-Wk Offered: 

Grading: Pass/Fail  Course Format: Research/Scholarly Activity  Location: UCH  Longitudinal Course: Yes  Accept Visiting Students: MD/ No  DO/ No  Int'l/ No

Sections Available: Available in sections 17 and 33

Prerequisites / Restrictions: None

Description: Students use the online IHI Open School Quality Improvement Practicum (QI 201) to provide a framework and join an interprofessional team engaged in a quality improvement project.

Course Activities: Students use the IHI Open School Quality Improvement Practicum course (QI 201) to guide their experiential learning. Prerequisite IHI Open School courses for the Practicum include QI 101, 102, and 103 which introduce foundational knowledge in Quality Improvement. http://www.ihi.org/offerings/IHIOpenSchool/Courses/Pages/OpenSchoolCertificates.aspx

Students will then be integrated into ongoing quality improvement projects and work with Attending and/or Resident physicians to actively improve clinical processes within the hospital. Examples include reducing inappropriate use of antibiotics or telemetry, refine the discharge process or increase throughput in the hospital to improve patient safety. We will do our best to find ongoing projects that fit the student’s interest. Students do not need to have their own projects nor will they have to find QI projects on their own. Since students will likely join in the middle of active projects, we will update them on progress to date to ensure a complete and thorough educational process. The goal is to provide the best cost effective, efficient and patient-centered care.

IDPT8091  MSA Phase IV Preparation

Coordinator: Meleah Himber
meleah.himber@ucdenver.edu

Course Director: Allan Prochazka
allan.prochazka@ucdenver.edu

Sub-I: No  Approval Required: Yes  Semester Offered: Summer;Fall;Spring  Semester 2-Wk Offered: 

Grading: Pass/Fail  Course Format: Research/Scholarly Activity  Location: 

Sections Available: Section 45 is the last 4 week block to register for this course

Prerequisites / Restrictions: Prior approval of a Mentor, Course Director and Associate Dean for Student Affairs is required. Section 45 is the last 4 week block to register for this course.

Description: Students work intensively with mentors on their chosen MSA project. Students critically review background literature, define a question/hypothesis, develop and implement methods and study design, collect data, analyze and interpret data.

Course Activities: Students work intensively with mentors on their chosen MSA Project. Students critically review background literature, define a question/hypothesis, develop and implement methods and study design, collect data, analyze and interpret data.
**IDPT8093  IDPT Scholarly Activity**

**Description:** 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).

**Course Activities:** Students work intensively with mentors on their chosen MSA Project. Students critically review background literature, define a question/hypothesis, develop and implement methods and study design, collect data, analyze and interpret data.

**Duration:** 4 weeks

**Coordinator:** Meleah Himber
[meleah.himber@ucdenver.edu](mailto:meleah.himber@ucdenver.edu)

**Course Director:** Allan Prochazka
[allan.prochazka@ucdenver.edu](mailto:allan.prochazka@ucdenver.edu)

**Sub-I:** No  **Approval Required:** Yes  **Semester Offered:** Summer; Fall; Spring  **Semester 2-Wk Offered:**

**Grading:** Pass/Fail  **Course Format:** Research/Scholarly Activity  **Location:**

**Sections Available:** Section 45 is the last 4 week block to register for this course

**Prerequisites / Restrictions:** 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 Assistant Dean for Student Affairs. Section 45 is the last 4

**Description:** 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).

**Course Activities:** Students work intensively with mentors on their chosen MSA Project. Students critically review background literature, define a question/hypothesis, develop and implement methods and study design, collect data, analyze and interpret data.

**IDPT8601  Research Track, Rsrch I**

**Description:** 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.

**Course Activities:** Continue to work on completing scientific project.

**Duration:** 4 weeks

**Coordinator:** Meleah Himber
[meleah.himber@ucdenver.edu](mailto:meleah.himber@ucdenver.edu)

**Course Director:** Randy Ross
[randy.ross@ucdenver.edu](mailto:randy.ross@ucdenver.edu)

**Sub-I:** No  **Approval Required:** Yes  **Semester Offered:** Summer; Fall; Spring  **Semester 2-Wk Offered:**

**Grading:** Honor/High Pass  **Course Format:** Research/Scholarly Activity  **Location:** SOM

**Sections Available:** Available in all sections

**Prerequisites / Restrictions:** Limited to and required for Phase IV (MS4) medical students who are in good standing in the Research Track.

**Description:** 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.

**Course Activities:** Continue to work on completing scientific project.

**IDPT8602  Research Track, Rsrch II**

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

**Course Activities:** Continue to work on completing scientific project.

**Duration:** 4 weeks

**Coordinator:** Meleah Himber
[meleah.himber@ucdenver.edu](mailto:meleah.himber@ucdenver.edu)

**Course Director:** Randy Ross
[randy.ross@ucdenver.edu](mailto:randy.ross@ucdenver.edu)

**Sub-I:** No  **Approval Required:** Yes  **Semester Offered:** Summer; Fall; Spring  **Semester 2-Wk Offered:**

**Grading:** Honor/High Pass  **Course Format:** Research/Scholarly Activity  **Location:** SOM

**Sections Available:** Available in all sections

**Prerequisites / Restrictions:** Must complete IDPT8601, Research Track, Rsrch I first; 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.

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

**Course Activities:** Continue to work on completing scientific project.
### MEDS8001  Medicine Sub-I

| Description: | 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. |
| Course Activities: | During the Internal Medicine Sub-Internship, students are expected to advance their knowledge, skills and attitudes needed to provide medical care for hospitalized adult patients. It is expected that students will function more independently during their sub-internship than they did during their Phase 3 training. By the completion of the rotation, the sub-intern should be able to function at or near the level of an intern with respect to the objectives of the rotation. In general, the sub-intern will move beyond the observation and participation phase and into the role of the primary provider. |
| Duration: | 4 weeks |
| Enrollment: | Min: 1  Max: 18 |

#### Coordinator:
Angie Duet  
angie.duet@ucdenver.edu

#### Course Director:
Adam Trosterman  
adam.trosterman@ucdenver.edu

**Sub-I:** Yes  
**Approval Required:** No  
**Semester Offered:** Summer;Fall;Spring  
**Course Format:** Clinical  
**Location:** UCH, DHMC, ESJH, PSL, VAMC

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes  
DO/Yes  
Int’l/ No

**Grading:** Honors/High Pass/Pass

**Prerequisites** / **Restrictions:**

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### MEDS8002  Hospital Medicine Sub-I

| Description: | Experience hospitalist medicine first hand by working one-on-one with an attending and developing a quality improvement initiative. You will also gain the skills to excel from the start of intern year by being the primary provider for your patients. |
| Course Activities: | Students will be responsible for caring for up to 8 patients at a time on an inpatient medicine service. They will work directly with an attending hospitalist (no residents). This includes 4 nights of cross-coverage with an attending nocturnist (night hospitalist). Students will have a curriculum devoted to learning and practicing high value care including a didactic on the meaning of value in healthcare and they will complete a project looking at laboratory waste from an individual and systems perspective. Students will also be required to complete the standard Sub-Internship requirements as outlined by the School of Medicine. |
| Duration: | 4 weeks |
| Enrollment: | Min: 0  Max: 1 |

#### Coordinator:
Emilie Keeton  
emilie.keeton@ucdenver.edu

#### Course Director:
Chris King  
christopher.king@ucdenver.edu

**Sub-I:** Yes  
**Approval Required:** No  
**Semester Offered:** Summer;Fall;Spring  
**Course Format:** Clinical  
**Location:** UCH

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes  
DO/Yes  
Int’l/ No

**Grading:** Honor/High Pass

**Prerequisites** / **Restrictions:**

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MEDS8004  Cardiology

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

Course Activities: Students will perform initial clinical assessments, review diagnostic tests and formulate therapeutic plans under the supervision of a cardiology attending.

Coordinator: Holly Ables  
holly.ables@ucdenver.edu

Course Director: Peter Buttrick  
peter.buttrick@ucdenver.edu

Semester Offered: Summer; Fall; Spring  
Semester 2-Wk Offered: All

Duration: 4 weeks  
Enrollment Min: 1  Max: 3

Approval Required: No  
Grading: Honor/High Pass or Pass/Fail (<4 wks)

Sections Available: Available in all sections for 4 week; available Spring semester for 2 week

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

Course Activities: Students will perform initial clinical assessments, review diagnostic tests and formulate therapeutic plans under the supervision of a cardiology attending.

MEDS8005  Cardiac Diagnostic Skill

Description: Course is at Exempla St. Joseph Hospital. Goals are to improve cardiac physical diagnosis skills, interpret EKG findings, recognize abnormal heart sounds and murmurs. Includes didactic sessions and home study.

Course Activities: Class lasts from 8-2:30 every day. From 8-10am the subject of the day is discussed. From 10-11 the homework from the previous night is discussed (usually about 4 EKG's a night for homework) and other example EKGs are reviewed. There is a break for lunch and then in the afternoon there is more discussion of EKGs or discussion of heart sounds and murmurs. Students are given a flash drive with example EKGs and articles for reading.

Coordinator: Sarah Flores  
sarah.flores@schls.net

Course Director: David Flitter  
davidflitter@comcast.net

Semester Offered: Summer; Fall; Spring  
Semester 2-Wk Offered: All

Duration: 2 weeks  
Enrollment Min: 1  Max: 7

Approval Required: No  
Grading: Pass/Fail

Sections Available: Not Available Section 1-2

Prerequisites / Restrictions:  
Description: Course is at Exempla St. Joseph Hospital. Goals are to improve cardiac physical diagnosis skills, interpret EKG findings, recognize abnormal heart sounds and murmurs. Includes didactic sessions and home study.

Course Activities: Class lasts from 8-2:30 every day. From 8-10am the subject of the day is discussed. From 10-11 the homework from the previous night is discussed (usually about 4 EKG's a night for homework) and other example EKGs are reviewed. There is a break for lunch and then in the afternoon there is more discussion of EKGs or discussion of heart sounds and murmurs. Students are given a flash drive with example EKGs and articles for reading.

MEDS8006  Allergy/Clin Immunology

Description: Outpatient Allergy and Clinical Immunology at the UCH adult clinic. Students will encounter conditions including allergic rhinitis, asthma, food allergy, eczema, and immunodeficiency. They will have the opportunity to attend journal clubs, case conferences and Denver Allergy Rounds.

Course Activities: Students will shadow fellows and/or faculty in Allergy clinic for the first few days. After the student is oriented to the clinic, they will interview and examine patients independently, with supervision by fellows and/or faculty. They will present patients to the faculty and participate in formulation of assessment and plans for evaluation and treatment. The elective will include at least 8 half-days of clinic per week and the remaining 1-2 half-days are for library time. Students will also have the opportunity to attend weekly educational conferences including: Allergy/Immunology Journal club, Allergy/Immunology program meetings, which include informal and formal case presentations, and Denver Allergy Rounds, which attracts speakers who are local and national experts in the field of allergy.

Coordinator: Jeanne Kittle  
jeanne.kittle@ucdenver.edu

Course Director: Jenny Stitt  
jenny.stitt@ucdenver.edu

Semester Offered: Summer; Fall; Spring  
Semester 2-Wk Offered: All

Duration: 2 or 4 weeks  
Enrollment Min: 1  Max: 1

Approval Required: Yes  
Grading: Pass/Fail

Sections Available: Available in sections 17, 21, 25, 29, 33, 37, and 45

Prerequisites / Restrictions:  
Description: Outpatient Allergy and Clinical Immunology at the UCH adult clinic. Students will encounter conditions including allergic rhinitis, asthma, food allergy, eczema, and immunodeficiency. They will have the opportunity to attend journal clubs, case conferences and Denver Allergy Rounds.

Course Activities: Students will shadow fellows and/or faculty in Allergy clinic for the first few days. After the student is oriented to the clinic, they will interview and examine patients independently, with supervision by fellows and/or faculty. They will present patients to the faculty and participate in formulation of assessment and plans for evaluation and treatment. The elective will include at least 8 half-days of clinic per week and the remaining 1-2 half-days are for library time. Students will also have the opportunity to attend weekly educational conferences including: Allergy/Immunology Journal club, Allergy/Immunology program meetings, which include informal and formal case presentations, and Denver Allergy Rounds, which attracts speakers who are local and national experts in the field of allergy.
MEDS8007  Clinical Renal

Description: This elective will provide experience in both inpatient and outpatient-based nephrology. Students will work with the inpatient nephrology consult team at either UCH or DHMC (2 weeks) and participate in a variety of outpatient nephrology, dialysis, and renal transplant clinics (2 weeks). This elective will provide opportunity for students to become more familiar with a variety of renal disorders that commonly include acute kidney injury, chronic and end-stage kidney disease, proteinuria, hematuria, glomerulonephritis, acid base and fluid/electrolyte disorders, and post renal transplant immunosuppression and complications. Students will also participate in weekly attending didactic lectures and daily educational morning conferences.

Course Activities: This elective consists of both inpatient and outpatient nephrology experience. Students will participate in 1) 2 weeks of inpatient renal consult-based medicine at either Denver Health Medical Center or University Hospital where students can expect to perform initial consults and follow up care for frequently encountered inpatient renal disorders as part of a team; and 2) 1 week of ambulatory nephrology and renal transplant clinic experience which involves a diverse combination of clinics.

Coordinator: Debbie Hunt
Course Director: James Cooper
Coordinating Department: Medicine
Sub-I: No
Approval Required: No
Semester Offered: Summer; Fall; Spring
Semester 2-Wk Offered: All
Grading: Honor/High Pass or Pass/Fail (<4 wks)
Sections Available: Not available Sections 9 and 11
Prerequisites / Restrictions: This elective will provide experience in both inpatient and outpatient-based nephrology. Students will work with the inpatient nephrology consult team at either UCH or DHMC (2 weeks) and participate in a variety of outpatient nephrology, dialysis, and renal transplant clinics (2 weeks). This elective will provide opportunity for students to become more familiar with a variety of renal disorders that commonly include acute kidney injury, chronic and end-stage kidney disease, proteinuria, hematuria, glomerulonephritis, acid base and fluid/electrolyte disorders, and post renal transplant immunosuppression and complications. Students will also participate in weekly attending didactic lectures and daily educational morning conferences.

MEDS8009  Clin Infectious Diseases

Description: UCH, DHMC, and VA Hospital assigned. Hospitalized patients with a variety of infectious diseases are available for study. Students will learn about diagnosis, pathophysiology, immunology, epidemiology, and management of complex ID patients. Antimicrobial use to treat infections is emphasized. Students attend and participate in ward rounds and conferences.

Course Activities: Depending on the rotation, students will actively participate in inpatient ID consult service care and/or outpatient care under the direct supervision of an ID attending. The student will complete ID consultations with the supervision of the ID fellow or resident, present the case to the ID attending and participate in the longitudinal management and care of the patient. The student will also participate in ID conferences and didactic opportunities during the rotation.
**MEDS8010  Clin Gastroenterology**

**Description:** 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.

**Course Activities:** Assuming no conflict with continuity clinic, each resident/student will be required to attend all of the GI clinics within our system. This will include 2 clinics at DHMC, 1 at UH, and 1 at VAMC. The Fellow you are working with can advise you of times and places of each clinic.

**Coordinator:** Kia Silverman  
kia.silverman@ucdenver.edu  

**Course Director:** Joel Levine  
joel.levine@ucdenver.edu  

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Honor/High Pass or Pass/Fail (<4 wks)  
**Course Format:** Clinical  
**Location:** UCH, DH, VA  
**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes DO/No Int'l/Yes  
**Prerequisites/Restrictions:**  
**Additional Information:** Students rotate at UCH, VA, and DH

**MEDS8011  Pulmonary**

**Description:** The goal of the Pulmonary Medicine elective rotation is to expose the physician-in-training (Phase IV Medical Students) to patients with pulmonary disease that are encountered in the primary care and acute care hospitalization setting as well as in the subspecialist’s realm.

**Course Activities:** Students go to UCH and the VA; visiting students only go to UCH. 4 Weeks – 5 to 6 Days a week at the assigned clinical location site

**Coordinator:** Jess Montano  
jes.montano@ucdenver.edu  

**Course Director:** Joseph Crossno  
Joseph.Crossno@ucdenver.edu  

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**  
**Grading:** Honor/High Pass  
**Course Format:** Clinical  
**Location:** UCH  
**Sections Available:** Available in Sections 13, 17 and 21, 25, 29, 33, 37 and 45  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes DO/No Int'l/No  
**Prerequisites/Restrictions:**  
**Additional Information:** 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.

**MEDS8012  Clinical Rheumatology**

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

**Course Activities:** This is an outpatient clinical experience. The student will assigned patients with a broad mix of rheumatic diseases and disease severity. The students attend rheumatology clinics at the University, Denver Health, and the Denver VA resulting in a broad range of socioeconomic society. Students may perform supervised arthrocentesis, soft tissue and bursal injections, and synovial fluid crystal analysis in clinic. In addition, students attend a series of didactic lectures covering major rheumatic diseases, and Division of Rheumatology teaching conferences. Students' duty hours are typically 40 hours per week. No Rheumatology call or weekend service is required.

**Coordinator:** Shirley Hanson  
shirley.hanson@ucdenver.edu  

**Course Director:** Robert Janson  
robert.janson@ucdenver.edu  

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**  
**Grading:** Honor/High Pass  
**Course Format:** Clinical  
**Location:** UCH  
**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes DO/No Int'l/No  
**Prerequisites/Restrictions:**  
**Additional Information:** Course offered at UCH, VA, and DH

Revised: 10/26/2016
**MEDS8013  Endocrinology**  
**Description:** 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.

**Course Activities:** This rotation will help medical students become proficient in endocrine-focused history and physical exam skills, learn the appropriate selection and interpretation of endocrine-related diagnostic tests, and gain experience in integrating these to develop appropriate management plans for patients with common endocrine disorders referred for outpatient and inpatient endocrine consultation. The student will also be exposed to patients with less common endocrine disorders, and have the opportunity to interact with colleagues in other specialties to manage this patient population. Clinical locations: Denver VAMC, University of Colorado Hospital and Denver Health.

**Coordinator:** Holly Heilman  
**Course Director:** Cecilia Low Wang

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Honor/High Pass or Pass/Fail (<4 wks)  
**Course Format:** Clinical  
**Location:** VA  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes DO/Yes Int'l/ No  
**Sections Available:** Available in all sections  
**Prerequisites / Restrictions:** A valid VA badge and computer codes are required. Please contact course coordinator 8 weeks prior to rotation to begin the VA badging process. 2 week rotations offered from October - May only.

**MEDS8014  Hematology / Oncology**  
**Description:** The goal of this elective is for students to be exposed to a wide range of patients seen in consultation for hematologic and oncologic problems. The elective has a flexible enough schedule to address student’s individual needs. During the elective the students will attend some of the numerous subspecialty outpatient clinics for patients with various malignancies and benign hematologic problems including blood coagulation.

**Course Activities:** The elective has a flexible enough schedule to address student’s individual needs. During the elective the students will attend some of the numerous subspecialty outpatient clinics for patients with various malignancies and benign hematologic problems including blood coagulation. Students are particularly encouraged to attend the inpatient hematologic malignancies and inpatient hematology consult services. Based on individual interests students can attend outpatient clinics devoted to specific “solid” tumors and other more specialized areas such as pathology specific to hematology and oncology.
MEDS8017  Hospice/Palliative Care

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

Course Activities: Integrating into the interdisciplinary team approach of patient-centered care; working as a team evaluating goals of care, complex family meetings and complex symptom control. Working with the palliative care team at UCH and Lutheran inpatient hospice.

Duration: 2 or 4 weeks

Coordinator: Jeanie Youngwerth  
jean.youngwerth@ucdenver.edu

Sub-I: No  Approval Required: Yes  Semester Offered: Summer;Fall;Spring  Semester 2-Wk Offered: All

Grading: Honor/High Pass or Pass/Fail (<4 wks)  Course Format: Clinical  Location: UCH

Sections Available: Available in all sections  Longitudinal Course: No  Accept Visiting Students: MD/No DO/No Int'l/ No

Prerequisites / Restrictions: 1) Need Course Director/Dr. Youngwerth's approval to add the course - contact her via email for approval. 2) Contact Dr. Youngwerth via email 1 week prior to starting. Please contact Dr. Youngwerth via email if you drop the course.

Additional Information: Students go to UCH Palliative Care Consult team and Exempla Lutheran Collier Hospice

MEDS8023  Medicine Consult

Description: Medicine Consult is for students interested in learning about the 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.

Course Activities: The student will function as a sub-intern on the Medicine Consult team, working with the hospitalist attending, upper level hospitalist residents, and the rest of the interdisciplinary team. The student will co-manage orthopedic patients, including those undergoing total hip and knee arthroplasties and hip fracture repair, as well as select urology patients. The student will also complete general medical consultations for non-medical services and respond to stroke alerts as part of the stroke team.

Duration: 2 or 4 weeks

Coordinator: Mary Anderson  
mary.anderson@ucdenver.edu

Sub-I: No  Approval Required: No  Semester Offered: Summer;Fall;Spring  Semester 2-Wk Offered: All

Grading: Pass/Fail  Course Format: Clinical  Location: UCH

Sections Available: Not Available Sections 41-42  Longitudinal Course: No  Accept Visiting Students: MD/Yes DO/No Int'l/ No

Prerequisites / Restrictions:

Description: Medicine Consult is for students interested in learning about the 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.

Course Activities: The student will function as a sub-intern on the Medicine Consult team, working with the hospitalist attending, upper level hospitalist residents, and the rest of the interdisciplinary team. The student will co-manage orthopedic patients, including those undergoing total hip and knee arthroplasties and hip fracture repair, as well as select urology patients. The student will also complete general medical consultations for non-medical services and respond to stroke alerts as part of the stroke team.

MEDS8025  Medical Oncology

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

Course Activities: Students will attend 10 clinic sessions per week, seeing patients both independently and with the attending.

Duration: 4 weeks

Coordinator: Elaine Lam  
elaine.lam@ucdenver.edu

Sub-I: No  Approval Required: No  Semester Offered: Summer;Fall;Spring  Semester 2-Wk Offered:

Grading: Honor/High Pass  Course Format: Clinical  Location: UCH

Sections Available: Available in all sections  Longitudinal Course: No  Accept Visiting Students: MD/Yes DO/Yes Int'l/ Yes

Prerequisites / Restrictions:

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

Course Activities: Students will attend 10 clinic sessions per week, seeing patients both independently and with the attending.

Additional Information:

Enrollment Min: 1  Max: 1
MEDS8029  Applied Clin Pharmacolog

Description: This course provides fourth year medical students with a practical approach to the pharmacologic treatment of common clinical conditions. There will be two 1-hour lectures each day, ten additional hours of independent study per week, and a final examination.

Course Activities: The course is taught in classroom lecture format, during a 4-week period. There are two lectures per day, every day during the 4-week period. The students sign an attendance sheet every day. Three unexcused absences are allowed. At the end of the course a written final exam is given and the student must meet or exceed a set grade in order to pass the course.

Coordinator: Breanna Symmes
breanna.symmes@ucdenver.edu

Course Director: Wenbo Zhou
wenbo.zhou@ucdenver.edu

Sub-I: No Approval Required: No Semester Offered: Spring Semester 2-Wk Offered: 

Grading: Honor/High Pass Course Format: Didactic Location: SOM

Sections Available: Available Section 37 only Longitudinal Course: No Accept Visiting Students: MD/No DO/No Int'l/ No

Prerequisites: Offered in Section 37 only Additional Information:

MEDS8032  Corrections Health Care

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

Course Activities: 

Coordinator: 
Course Director: Peter Crum
peter.crum@dhha.org

Sub-I: No Approval Required: Yes Semester Offered: Summer;Fall; 

Grading: Honor/High Pass or Pass/Fail (<4 wks) Course Format: Clinical Location: Denver Detention Facility

Sections Available: Available in Sections 17, 19, 21, 23, 25, 27, 29 and 31 Longitudinal Course: No Accept Visiting Students: MD/No DO/No Int'l/ No

Prerequisites / Restrictions: 

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

Course Activities: 

Coordinator: 
Course Director: Lisa Cyran
elizabeth.cyran@sclhs.net

Sub-I: Yes Approval Required: No Semester Offered: Summer;Fall;Spring Semester 2-Wk Offered: 

Grading: Honor/High Pass Course Format: Clinical Location: STJ

Sections Available: Available in Sections 1, 5, 9, 13, 17, 21, 25, 29, 33, 37 and 45 Longitudinal Course: No Accept Visiting Students: MD/No DO/ Int'l/ 

Prerequisites / Restrictions: Maximum enrollment of 2-3 students, depending on Section #; (3 spots are generally available May thru September).

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

Coordinator: 
Course Director: Lisa Cyran
elizabeth.cyran@sclhs.net

Sub-I: Yes Approval Required: No Semester Offered: Summer;Fall;Spring Semester 2-Wk Offered: 

Grading: Honor/High Pass Course Format: Clinical Location: STJ

Sections Available: Available in Sections 1, 5, 9, 13, 17, 21, 25, 29, 33, 37 and 45 Longitudinal Course: No Accept Visiting Students: MD/No DO/ Int'l/ 

Prerequisites / Restrictions: Maximum enrollment of 2-3 students, depending on Section #; (3 spots are generally available May thru September).

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

Coordinator: 
Course Director: Lisa Cyran
elizabeth.cyran@sclhs.net

Sub-I: Yes Approval Required: No Semester Offered: Summer;Fall;Spring Semester 2-Wk Offered: 

Grading: Honor/High Pass Course Format: Clinical Location: STJ

Sections Available: Available in Sections 1, 5, 9, 13, 17, 21, 25, 29, 33, 37 and 45 Longitudinal Course: No Accept Visiting Students: MD/No DO/ Int'l/ 

Prerequisites / Restrictions: Maximum enrollment of 2-3 students, depending on Section #; (3 spots are generally available May thru September).

Description: Student sub-internship on one-resident/one-intern team, 10 day-time alternating with 5 night-time shifts, one day off weekly. Student attends daily ICU Cardiology/Pulmonary/interdisciplinary rounds, Morning Report, and Noon conference and will enhance skills in evaluating, managing and communicating with critically ill patients and families.
### MEDS8037  Critical Care UH

**Description:** During the Sub-internship in Medical Critical Care, students are expected to advance their knowledge, skills and attitudes needed to provide medical care for hospitalized critically ill adult patients. It is expected that students will function more independently during their sub-internship than they did during their Phase 3 (third year) training.

**Course Activities:**
- Every student should be able to admit and care for up to 2/3 of the patient load of a typical intern on an inpatient service. More specifically, they should admit up to 3 patients while on call and function as the intern for up to 8 patients on a non-call day. These include not only patients they have admitted primarily, but might include other patients followed by their teammates. The number of patients admitted and cared for will be dependent on the complexity of the patient; a smaller number of complex patients would be expected to provide adequate exposure of the student to pertinent critical care issues. Every student should be able to provide cross coverage on patients of other medical providers (interns and other sub-interns) while they are on call.

**Coordinator:** Michelle Kerklo  
**Course Director:** Ellen Burnham  
**michelle.kerklo@ucdenver.edu**  
**ellen.burnham@ucdenver.edu**

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<td>Prerequisites: Sub I in Medicine or Surgery.</td>
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### MEDS8038  CAM Wellness

**Description:** In-depth exploration of complementary / alternative medicine therapies and personal wellness will be facilitated through shadowing experiences, field trips, online learning, reflection, and self-directed project.

**Course Activities:**
- TWO WEEK elective (FOUR WEEK in parenthesis):
  1.10 (20) half day shadowing experiences of CAM practitioners
  2. Didactic sessions watched or attended
  3.3 (4) “field trips” – secret shopper trip, meditation retreat, community lecture, patient experience at local school of TCM or massage therapy, time in the Health Sciences Library’s Strauss Indigenous Medicine Collection, shadowing another outside provider
  4.6 (10) online education modules
  5. Personal wellness/self-care goals and activities
  6. Personal research final project to be presented to fellow students – either a 2-3 page written review with references or PowerPoint presentation with references

**Coordinator:** Course Director: Lisa Corbin  
**lisa.corbin@ucdenver.edu**

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<td>Semester Offered: Summer;Fall;Spring</td>
<td>Semester 2-Wk Offered: All</td>
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<td>Grading: Pass/Fail</td>
<td>Course Format: Didactic</td>
</tr>
<tr>
<td>Sections Available: Available in all sections</td>
<td>Longitudinal Course: No</td>
</tr>
<tr>
<td>Prerequisites: Course director approval required to add this course.</td>
<td>Accept Visiting Students: MD/Yes  DO/Yes  Int'l/ No</td>
</tr>
<tr>
<td>Additional Information:</td>
<td></td>
</tr>
</tbody>
</table>

**Coordinator:** Course Director:  
**Course Format:** Didactic  
**Location:**  
**Prerequisites:** Course director approval required to add this course.  
**Restrictions:**  
**Additional Information:**
MEDS8039  AIDS & American Culture

Description: 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.

Course Activities: Attend and participate in discussion of assigned materials. Prepare and present brief commentaries on HIV/AIDS outside of the US and on major figures in the epidemic. Complete a 5-7 page analysis/discussion of a cultural or clinical aspect of HIV or a creative expression such as a personal essay, story, or original poetry.

Coordinator: Amanda McGuigan  Course Director: Therese Jones
amanda.mcgugin@ucdenver.edu  therese.jones@ucdenver.edu

Sub-I: No  Approval Required: No  Semester Offered: Spring  Semester 2-Wk Offered: Spring
Grading: Pass/Fail  Course Format: Didactic  Location: SOM
Sections Available: Available Section 47-48  Longitudinal Course: No  Accept Visiting Students: MD/Yes DO/Yes Int'l/ Yes
Prerequisites

MEDS8040  Film and Mental Illness

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

Course Activities: Required attendance and participation in the discussion of selected films which are screened during class and selected reading materials. Presentation of a brief commentary on one of the selected readings for the class. Completion of a 5-7 page analysis/discussion of one or more films in relation to themes, characters, and cinematic techniques.

Coordinator: Amanda McGuigan  Course Director: Therese Jones
amanda.mcgugin@ucdenver.edu  therese.jones@ucdenver.edu

Sub-I: No  Approval Required: Yes  Semester Offered: Spring  Semester 2-Wk Offered: Spring
Grading: Pass/Fail  Course Format: Didactic  Location: SOM
Sections Available: Available Section 43-44  Longitudinal Course: No  Accept Visiting Students: MD/Yes DO/Yes Int'l/ Yes
Prerequisites  Offered Section 43 & 44.

MEDS8100  MEDS Elective Away

Description: 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 Activities: This elective allows students to identify and address their specific learning needs whether it be experiencing a field of medicine, a practice location, or filling in specific gaps in their current knowledge and clinical acumen. As a result, it specifically meets their individual career development needs.

Coordinator: Angie Duet  Course Director: Adam Trosterman
angie.duet@ucdenver.edu  adam.trosterman@ucdenver.edu

Sub-I: No  Approval Required: Yes  Semester Offered: Summer;Fall;Spring  Semester 2-Wk Offered: All
Grading: Pass/Fail  Course Format: Away  Location: Away
Sections Available: Not available sections 49-50  Longitudinal Course: No  Accept Visiting Students: MD/No DO/No Int'l/ No
Prerequisites  Department approval must be obtained, then  Arrangements must be completed at least one month in advance of start. Not available sections 49-50.

Description: 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 Activities: This elective allows students to identify and address their specific learning needs whether it be experiencing a field of medicine, a practice location, or filling in specific gaps in their current knowledge and clinical acumen. As a result, it specifically meets their individual career development needs.
### MEDS8600  *Research in Medicine*

**Description:** 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.

**Coordinator:** Angie Duet  
angie.duet@ucdenver.edu  
**Course Director:** Adam Trosterman  
adam.trosterman@ucdenver.edu  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All  
**Approval Required:** Yes  
**Grading:** Pass/Fail  
**Sections Available:** Not available sections 49-50  
**Prerequisites/Restrictions:** Individual arrangements must be completed then Department approval must be obtained. Arrangements must be completed at least one month in advance of start. Not available sections 49-50.

**Duration:** 2, 4, 8 or 12 weeks  
**Enrollment Min:** 1  
**Max:** 99  

### MEDS8630  *MEDS Research Away*

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

**Coordinator:** Angie Duet  
angie.duet@ucdenver.edu  
**Course Director:** Adam Trosterman  
adam.trosterman@ucdenver.edu  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All  
**Approval Required:** Yes  
**Grading:** Pass/Fail  
**Sections Available:** Not available sections 49-50  
**Prerequisites/Restrictions:** Individual arrangements must be completed then Department approval must be obtained. Arrangements must be completed at least one month in advance of start. Not available sections 49-50.

**Duration:** 2, 4, 8 weeks  
**Enrollment Min:** 1  
**Max:** 99  

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### Neurology

#### NEUR8000  *Neurology*

**Description:** This elective offers students further clinical experience with patients who have neurologic disorders. Students can rotate on either the inpatient service or a mix of ambulatory clinics and inpatient services at University of Colorado Hospital.

**Coordinator:** Kirsten Kamna  
kirsten.kamna@ucdenver.edu  
**Course Director:** Pearce Korb  
pearce.korb@ucdenver.edu  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**  
**Approval Required:** No  
**Grading:** Honor/High Pass  
**Sections Available:** Available in all sections  
**Prerequisites/Restrictions:**  

**Duration:** 4 weeks  
**Enrollment Min:** 1  
**Max:** 2  

**Course Activities:** Rotating on either the inpatient service, ambulatory clinics, or a combination of both. Students will be exposed to a variety of neurological complaints and have the option of choosing to work in Stroke, General Neurology Service, Epilepsy, Movement Disorders, Neuro-Oncology, Stroke/Vascular, or Neurocritical Care.

**Additional Information:** Rotation is M-F 8a-5pm. No call. No papers or presentations required.
**NEUR8100  NEUR Elective Away**

Duration: 2 or 4 weeks

**Enrollment**

Min: 1  Max: 99

**Coordinator:** Kirsten Kamna  
kirsten.kamna@ucdenver.edu

**Course Director:** Pearce Korb  
pearce.korb@ucdenver.edu

**Sub-I:** No  
Approval Required: Yes  
Semester Offered: Summer; Fall; Spring  
Semester 2-Wk Offered: All

**Grading:** Pass/Fail

**Course Format**

Clinical

**Location:** Away

**Description:** 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 Activities:** Activities will vary based on the away site of choice

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**NEUR8600  Research in Neurology**

Duration: 2, 4, 8 or 12 weeks

**Enrollment**

Min: 1  Max: 99

**Coordinator:** Kirsten Kamna  
kirsten.kamna@ucdenver.edu

**Course Director:** Pearce Korb  
pearce.korb@ucdenver.edu

**Sub-I:** No  
Approval Required: Yes  
Semester Offered: Summer; Fall; Spring  
Semester 2-Wk Offered: All

**Grading:** Pass/Fail

**Course Format**

Research/Scholarly Activity

**Location:**

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

**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.

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**NSUR8014  Neurosurgery Sub-I**

Duration: 4 weeks

**Enrollment**

Min: 1  Max: 5

**Coordinator:** Sophie Eggert  
sophie.eggert@ucdenver.edu

**Course Director:** Yasuaki Harasaki  
yasuaki.harasaki@dhha.org

**Sub-I:** Yes  
Approval Required: No  
Semester Offered: Summer; Fall; Spring  
Semester 2-Wk Offered:

**Grading:** Honor/High Pass

**Course Format**

Clinical

**Location:** UCH

**Description:** 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.

**Course Activities:** The student will be expected to assist in the daily function of the clinical services, and exhibit the competencies required of junior neurosurgery residents. The student will also be expected to present a short grand rounds talk on the topic of the student’s choice.

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*Revised: 10/26/2016*
**NSUR8100  NSUR Elective Away**  
*Description:* 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 Activities:* Activities will vary based on the away site of choice.

*Coordinator:* Sophie Eggert  
*Course Director:* Yasuaki Harasaki

*Approval Required:* Yes  
*Semester Offered:* Summer; Fall; Spring  
*Semester 2-Wk Offered:* All

*Grading:* Pass/Fail

*Duration:* 2 or 4 weeks

**NSUR8600  Research in Neurosurgery**  
*Description:* A written evaluation must be sent to Dr. Yasuaki Harasaki and Sophie Eggert.

*Course Activities:* Scholarly research. Specific activities created by the student and mentor based on the project.

*Coordinator:* Sophie Eggert  
*Course Director:* Yasuaki Harasaki

*Approval Required:* Yes  
*Semester Offered:* Summer; Fall; Spring  
*Semester 2-Wk Offered:* All

*Grading:* Pass/Fail

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

**NSUR8630  NSUR Research Away**  
*Description:* This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.

*Course Activities:* Scholarly research. Specific activities created by the student and mentor based on the project.

*Coordinator:* Sophie Eggert  
*Course Director:* Yasuaki Harasaki

*Approval Required:* Yes  
*Semester Offered:* Summer; Fall; Spring  
*Semester 2-Wk Offered:* All

*Grading:* Pass/Fail

*Duration:* 2, 4, 8 weeks

Revised: 10/26/2016
OBGY8000  General Obstetrics Sub-I

Description: 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.

Course Activities: Sub Interns will be integral members of an obstetrical service at Denver Health Hospital. They will participate in all aspects of antepartum, intrapartum, and postpartum patient care for which their team is responsible. Both normal and complicated obstetrical patients will be encountered. Sub interns will observe and participate in a wide variety of diagnostic and operative obstetrical procedures. Students will do no more than every 3rd night on call averaged over 4 weeks, and hold to resident duty hour rules.

Duration: 4 weeks
Enrollment: Min: 1  Max: 1
Coordinator: Deborah Jackson
deborah.jackson@ucdenver.edu
Course Director: Jennifer Hyer
jennifer.hyer@dhha.org
Sub-I: Yes
Approval Required: No
Semester Offered: Summer; Fall; Spring
Semester 2-Wk Offered:
Grading: Honor/High Pass
Course Format: Clinical
Location: DHMC
Sections Available: Available in all sections
Longitudinal Course: No
Accept Visiting Students: MD/Yes  DO/No  Int'l/ No
Prerequisites / Restrictions:
Description: 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.
Course Activities: Sub Interns will be integral members of an obstetrical service at Denver Health Hospital. They will participate in all aspects of antepartum, intrapartum, and postpartum patient care for which their team is responsible. Both normal and complicated obstetrical patients will be encountered. Sub interns will observe and participate in a wide variety of diagnostic and operative obstetrical procedures. Students will do no more than every 3rd night on call averaged over 4 weeks, and hold to resident duty hour rules.

OBGY8001  General Gynecology Sub-I

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

Course Activities: The course is designed to allow students to sample several areas of gynecology to assist with selection of an OB/GYN career and/or to broaden knowledge of gynecology for future primary care practitioners. Sub interns will spend the 4-week rotation on the Gynecology service working closely with the GYN team. The specific setting is hospital and clinic-based. Sub interns will participate in all clinical activities of the service, including observing and participating in procedures in the clinic and operating room.

Duration: 4 weeks
Enrollment: Min: 1  Max: 1
Coordinator: Deborah Jackson
deborah.jackson@ucdenver.edu
Course Director: Jennifer Hyer
jennifer.hyer@dhha.org
Sub-I: Yes
Approval Required: No
Semester Offered: Summer; Fall; Spring
Semester 2-Wk Offered:
Grading: Honor/High Pass
Course Format: Clinical
Location: DHMC
Sections Available: Available in all sections
Longitudinal Course: No
Accept Visiting Students: MD/Yes  DO/No  Int'l/ No
Prerequisites / Restrictions:
Description: Offered at DHMC only. This course is designed to allow students to become integrally involved with the general gynecology service. Students will partake in all clinical activities of the service, including operative procedures, management of inpatient gynecology conditions, and emergency room consultation.
Course Activities: The course is designed to allow students to sample several areas of gynecology to assist with selection of an OB/GYN career and/or to broaden knowledge of gynecology for future primary care practitioners. Sub interns will spend the 4-week rotation on the Gynecology service working closely with the GYN team. The specific setting is hospital and clinic-based. Sub interns will participate in all clinical activities of the service, including observing and participating in procedures in the clinic and operating room.

OBGY8002  Directed Study in OBGYN

Description: 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.

Course Activities: Student activities vary depending on arrangement with faculty members. Can be a clinical research project, laboratory project, directed literature review, or special clinical rotation. Arrangements made with course director.

Duration: 4 or 8 weeks
Enrollment: Min: 1  Max: 99
Coordinator: Deborah Jackson
deborah.jackson@ucdenver.edu
Course Director: Jane Limmer
Jane.Limmer@ucdenver.edu
Sub-I: No
Approval Required: Yes
Semester Offered: Summer; Fall; Spring
Semester 2-Wk Offered:
Grading: Pass/Fail
Course Format: Research/Scholarly Activity
Location: SOM
Sections Available: Available in all sections
Longitudinal Course: No
Accept Visiting Students: MD/No  DO/No  Int'l/ No
Prerequisites / Restrictions: Must have approval from specific faculty involved and from Course Director to register.
Description: 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.
Course Activities: Student activities vary depending on arrangement with faculty members. Can be a clinical research project, laboratory project, directed literature review, or special clinical rotation. Arrangements made with course director.
OGBY8004  High Risk Maternal/Fet Sub-I

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

Course Activities: The overall objective of the course is to allow the student to function at the level of an intern in the care of patients with high-risk obstetrical diagnoses.

Coordinator: Deborah Jackson
deborah.jackson@ucdenver.edu

Course Director: Meghan Donnelly
meghan.donnelly@ucdenver.edu

Sub-I: Yes  Approval Required: No  Semester Offered: Summer; Fall; Spring  Semester 2-WK Offered: 

Grading: Honor/High Pass  
Course Format: Clinical  Location: UCH

Sections Available: Available in all sections  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/No  Int’l/ No

Prerequisites / Restrictions:

Additional Information: Minimum of 1 night of call when there is not a third year OB student in house; arranged with Meghan Donnelly; expected to participate in antepartum rounds on average 1 weekend day; must arrange with the antepartum team.

OGBY8005  Gynecologic Oncology Sub-I

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

Course Activities: The student will attend GynOnc clinics, scrub in on GynOnc surgical cases, and round on inpatients with the team, functioning as an acting intern. The student will attend pathology conference weekly with the team. Student will be required to perform a literature review and talk on a selected topic and will have an oral exam at the end of the rotation. Clinical research opportunities are available.

Coordinator: Deborah Jackson
deborah.jackson@ucdenver.edu

Course Director: Jaime Arruda
jaime.arruda@ucdenver.edu

Sub-I: Yes  Approval Required: No  Semester Offered: Summer; Fall; Spring  Semester 2-WK Offered: 

Grading: Honor/High Pass  
Course Format: Clinical  Location: UCH

Sections Available: Available in all sections  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/No  Int’l/ No

Prerequisites / Restrictions:

Additional Information:

OGBY8009  GYN Subspecialties

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

Coordinator: Deborah Jackson
deborah.jackson@ucdenver.edu

Course Director: Christine Conageski
christine.conageski@ucdenver.edu

Sub-I: No  Approval Required: No  Semester Offered: Summer; Fall; Spring  Semester 2-WK Offered: 

Grading: Honor/High Pass  
Course Format: Clinical  Location: UCH

Sections Available: Available in all sections  Longitudinal Course: No  Accept Visiting Students: MD/No  DO/No  Int’l/ No

Prerequisites / Restrictions:

Additional Information:
### OBGY8012  
**UH Gynecology Sub-I**

**Description:** 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.

**Course Activities:** Sub-interns will spend the rotation on the Gynecology service working closely with the GYN team in the inpatient and clinic setting. Students will participate in all clinical activities of the service, including participating and observing procedures in the clinic and operating room.

**Coordinator:** Deborah Jackson  
**Course Director:** Brittney Bastow  
**deborah.jackson@ucdenver.edu**  
**brittney.bastow@ucdenver.edu**

**Sub-I:** Yes  
**Approval Required:** No  
**Semester Offered:** Summer;Fall;Spring  
**Semester 2-Wk Offered:**

**Grading:** Honor/High Pass  
**Course Format:** Clinical  
**Location:** UCH

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes  
**DO/No  
**Int'l/ No**  

**Prerequisites / Restrictions:**

**Description:** 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.

**Course Activities:** Sub-interns will spend the rotation on the Gynecology service working closely with the GYN team in the inpatient and clinic setting. Students will participate in all clinical activities of the service, including participating and observing procedures in the clinic and operating room.

### OBGY8015  
**Group Prenatal Care: Pregnancy and Parenting Partners**

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

**Course Activities:**
- Attend at least 8 of the 17 prenatal sessions
- Perform prenatal exams: fundal height, fetal hear tones etc
- Facilitate 1-2 sessions
- Participate in program evaluation

**Coordinator:** Susanne Kistin  
**Course Director:** Amy Nacht  
**susanne.kistin@ucdenver.edu**  
**amy.nacht@ucdenver.edu**

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer;Fall;Spring  
**Semester 2-Wk Offered:**

**Grading:** Pass/Fail  
**Course Format:** Clinical  
**Location:** UCH

**Sections Available:** Available in sections 5 and 17 and 33-49  
**Longitudinal Course:** Yes  
**Accept Visiting Students:** MD/No  
**DO/No  
**Int'l/ No**  

**Prerequisites / Restrictions:**

**Description:** This course is an opportunity to provide continuity of care for underserved women during pregnancy and postpartum within a group model of clinical care. This course provides exposure to midwifery care, and interaction with program evaluation.

**Course Activities:**
- Attend at least 8 of the 17 prenatal sessions
- Perform prenatal exams: fundal height, fetal hear tones etc
- Facilitate 1-2 sessions
- Participate in program evaluation

### OBGY8100  
**OBYG Elective Away**

**Description:** 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 Activities:** Activities will vary based on the away site of choice
**OBY8600  Research in OBGYN**

**Description:** Scholarly research. Specific activities created by the student and mentor based on the project.

**Duration:** 2, 4, 8 or 12 week  
**Enrollment Min:** 1  
**Max:** 99

**Coordinator:** Deborah Jackson  
[deborah.jackson@ucdenver.edu](mailto:deborah.jackson@ucdenver.edu)

**Course Director:** Jane Limmer  
[Jane.Limmer@ucdenver.edu](mailto:Jane.Limmer@ucdenver.edu)

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Grading:** Pass/Fail  
**Course Format:** Research/Scholarly Activity  
**Location:**

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ No  
**DO/ No  Int'l/ No

**Prerequisites / Restrictions:** Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

**Description:** Scholarly research. Specific activities created by the student and mentor based on the project.

**OBY8630  OBGY Research Away**

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

**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.

**Duration:** 2, 4, 8 weeks  
**Enrollment Min:** 1  
**Max:** 99

**Coordinator:** Deborah Jackson  
[deborah.jackson@ucdenver.edu](mailto:deborah.jackson@ucdenver.edu)

**Course Director:** Jane Limmer  
[Jane.Limmer@ucdenver.edu](mailto:Jane.Limmer@ucdenver.edu)

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Grading:** Pass/Fail  
**Course Format:** Research/Scholarly Activity  
**Location:** Away

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ No  
**DO/ No  Int'l/ No

**Prerequisites / Restrictions:** Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

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

**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.

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**OPHT8000  Ophthalmology**

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

**Course Activities:** Patient care and didactic sessions comprise the core features of this elective. For patient care, students will mainly participate in outpatient clinics. Students will be able to see patients independently and learn the basic components of a detail ophthalmology exam. Students will also observe or participate in surgical cases in all subspecialties. Morning case conferences, Grand Rounds, and didactic lectures will be required.

**Duration:** 2 or 4 weeks  
**Enrollment Min:** 1  
**Max:** 1

**Coordinator:** Bethany Jackson  
[bethany.jackson@ucdenver.edu](mailto:bethany.jackson@ucdenver.edu)

**Course Director:** Eric Hink  
[eric.hink@ucdenver.edu](mailto:eric.hink@ucdenver.edu)

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** Fall; Spring

**Grading:** Honor/High Pass or Pass/Fail (<4 wks)  
**Course Format:** Clinical  
**Location:** UCH

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ Yes  
**DO/ Yes  Int’l/ No

**Prerequisites / Restrictions:** Two week rotations offered Fall and Spring only.

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

**Course Activities:** Patient care and didactic sessions comprise the core features of this elective. For patient care, students will mainly participate in outpatient clinics. Students will be able to see patients independently and learn the basic components of a detail ophthalmology exam. Students will also observe or participate in surgical cases in all subspecialties. Morning case conferences, Grand Rounds, and didactic lectures will be required.
OPHT8100  **OPHT Elective Away**

**Description:** 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 Activities:** Clinical away rotation

**Duration:** 2 or 4 weeks  
**Enrollment** Min: 1  Max: 99

**Coordinator:** Bethany Jackson  
**Course Director:** Eric Hink  
*bethany.jackson@ucdenver.edu*  *eric.hink@ucdenver.edu*

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer, Fall, Spring  
**Semester 2-Wk Offered:** All

**Grading:** Pass/Fail  
**Course Format:** Away  
**Location:** Away

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/No DO/No Int'l/ No

**Prerequisites / Restrictions:** Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

**Description:** 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 Activities:** Clinical away rotation

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OPHT8600  **Research Ophthalmology**

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

**Course Activities:** Research will be conducted under a Primary Investigator (PI) and may involve study design, preparation of an IRB, clinical data gathering and review, literature searches, and production of posters, presentations, and papers for publication.

**Duration:** 2, 4, 8 or 12 weeks  
**Enrollment** Min: 1  Max: 99

**Coordinator:** Bethany Jackson  
**Course Director:** Eric Hink  
*bethany.jackson@ucdenver.edu*  *eric.hink@ucdenver.edu*

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer, Fall, Spring  
**Semester 2-Wk Offered:** All

**Grading:** Pass/Fail  
**Course Format:** Research/Scholarly Activity  
**Location:**

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/No DO/No Int'l/ No

**Prerequisites / Restrictions:** Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

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

**Course Activities:** Research will be conducted under a Primary Investigator (PI) and may involve study design, preparation of an IRB, clinical data gathering and review, literature searches, and production of posters, presentations, and papers for publication.

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OPHT8630  **OPHT Research Away**

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

**Course Activities:** Research will be conducted under a Primary Investigator (PI) and may involve study design, preparation of an IRB, clinical data gathering and review, literature searches, and production of posters, presentations, and papers for publication.

**Duration:** 2, 4, 8 weeks  
**Enrollment** Min: 1  Max: 99

**Coordinator:** Bethany Jackson  
**Course Director:** Eric Hink  
*bethany.jackson@ucdenver.edu*  *eric.hink@ucdenver.edu*

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer, Fall, Spring  
**Semester 2-Wk Offered:** All

**Grading:** Pass/Fail  
**Course Format:** Research/Scholarly Activity  
**Location:** Away

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/No DO/No Int'l/ No

**Prerequisites / Restrictions:** Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

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

**Course Activities:** Research will be conducted under a Primary Investigator (PI) and may involve study design, preparation of an IRB, clinical data gathering and review, literature searches, and production of posters, presentations, and papers for publication.
ORTH8000  Orthopaedic Surgery Sub-I

**Description:** 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 "sub-intern" on a resident/faculty team in two hospital settings.

**Course Activities:** This a four-week elective designed for the student interested in Orthopaedics or a similar surgical specialty. The student will join a resident-faculty team for two weeks at two of our affiliated hospitals. They will take call, attend conferences, and participate in all inpatient and outpatient clinical activities. Student evaluation is by faculty and includes Pass/High Pass/Honors grading.

**Duration:** 4 weeks  
**Enrollment** Min: 1  Max: 2

**Courses Available:** Available Sections 5-32  
**Prerequisites**  
**Restrictions:** This is a surgical orthopaedic elective.

**Coordinator:** Kelly Wright  
**Course Director:** Frank Scott  
**Contact:**  
Kelly Wright@ucdenver.edu  
frank.scott@ucdenver.edu

**Sub-I:** Yes  
**Approval Required:** No  
**Semester Offered:** Summer;Fall;  
**Semester 2-Wk Offered:**  
**Location:**

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ORTH8001  Orthopaedic Primary Care

**Description:** 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.

**Course Activities:** This elective is designed for students planning a career in one of the primary care fields who wish more in-depth experience with musculoskeletal medicine. Time is spent primarily in the outpatient clinics and at department conferences. Students are given reference texts to use during the rotation.

**Duration:** 4 weeks  
**Enrollment** Min: 1  Max: 2

**Courses Available:** Available in spring only (Sections 33-51)  
**Prerequisites**  
**Restrictions:**

**Coordinator:** Kelly Wright  
**Course Director:** Frank Scott  
**Contact:**  
Kelly Wright@ucdenver.edu  
frank.scott@ucdenver.edu

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Spring  
**Semester 2-Wk Offered:**  
**Location:**

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ORTH8005  Sports Medicine

**Description:** 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.

**Course Activities:** This course provides clinical experience in all aspects of Sports Medicine including orthopedic care, primary care, operating room procedures, and sporting event coverage. Students will work in the sports medicine clinics on the University of Denver and University of Colorado campuses. They will attend department, as well as sports specific, conferences.

**Duration:** 4 weeks  
**Enrollment** Min: 1  Max: 1

**Courses Available:** Not available in section 13  
**Prerequisites**  
**Restrictions:** This is a surgical orthopaedic elective.

**Coordinator:** Kelly Wright  
**Course Director:** Frank Scott  
**Contact:**  
Kelly Wright@ucdenver.edu  
frank.scott@ucdenver.edu

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer;Fall;Spring  
**Semester 2-Wk Offered:**  
**Location:**

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ORTH8006  Alpine Orthopedics

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

Course Activities:
Student will work with Dr. Gloria Beim, a fellowship trained Sports orthopedic surgeon, who practices in Gunnison, Crested Butte and Telluride. Student will participate in evaluation of orthopedic injuries and conditions under direct observation of history taking, physical examination and communication skills with patients. Student will assist on operative cases and any other procedures supervised by Dr. Beim. Student will also participate with ski patrol and on the field management of orthopedic injuries and other sports related events in these communities. Student will travel with Dr. Beim to these small communities to evaluate and manage musculoskeletal conditions. Student may also work with other providers as deemed appropriate by Dr. Beim.

ORTH8100  ORTH Elective Away

Description:
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 Activities:
Activities will vary based on the away site of choice.
ORTH8600  
**Research in Orthopedics**

**Duration:** 2, 4, 8 or 12 weeks  
**Enrollment**  
Min: 1  
Max: 4

**Coordinator:**  
Kelly Wright  
kelly.wright@ucdenver.edu

**Course Director:**  
Frank Scott  
frank.scott@ucdenver.edu

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Course Activities:**  
This elective provides an opportunity for students to participate in basic science or clinical research projects with members of the orthopaedic faculty. Students may participate in established projects or originate their own if time and funding permits.

**Grading:** Pass/Fail

**Semester Offered:** Summer; Fall; Spring

**Semester 2-Wk Offered:** All

**Sections Available:** Available in all sections

**Prerequisites / Restrictions:**  
Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

**Description:** 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.

**Course Activities:** This elective provides an opportunity for students to participate in basic science or clinical research projects with members of the orthopaedic faculty. Students may participate in established projects or originate their own if time and funding permits.

ORTH8630  
**ORTH Research Away**

**Duration:** 2, 4, 8 weeks  
**Enrollment**  
Min: 1  
Max: 10

**Coordinator:**  
Kelly Wright  
kelly.wright@ucdenver.edu

**Course Director:**  
Frank Scott  
frank.scott@ucdenver.edu

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.

**Additional Information:**

**Location:** Away

**Prerequisites / Restrictions:**  
Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

**Description:** 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.
OTOL8000  Clinical Otolaryngology

**Description:**
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.

**Course Activities:**
Students will participate in outpatient clinics, inpatient care, and in the operating room. Students will attend multidisciplinary H&H tumor board and weekly teaching conferences. Students will complete a short (10 min) end of rotation talk, during grand rounds, for 4 week students.

**Coordinator:** Vicki Muscatello  
vicki.muscatello@ucdenver.edu

**Course Director:** Adam Terella  
adam.terella@ucdenver.edu

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer; Fall;  
**Semester 2-Wk Offered:**

**Duration:** 2 or 4 weeks  
**Enrollment** Min: 1  
Max: 4

**Prerequisites**
Course is offered May-December. Students applying for 2 Week rotations require director approval.

**Description:**
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.

**Course Activities:**
Students will participate in outpatient clinics, inpatient care, and in the operating room. Students will attend multidisciplinary H&H tumor board and weekly teaching conferences. Students will complete a short (10 min) end of rotation talk, during grand rounds, for 4 week students.

OTOL8100  OTOL Elective Away

**Description:**
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 Activities:**
Activities will vary based on the away site of choice.

**Coordinator:** Vicki Muscatello  
vicki.muscatello@ucdenver.edu

**Course Director:** Adam Terella  
adam.terella@ucdenver.edu

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Duration:** 2 or 4 weeks  
**Enrollment** Min: 1  
Max: 99

**Prerequisites**
Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

**Description:**
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 Activities:**
Activities will vary based on the away site of choice.
**OTOL Research Away**

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

*Course Activities:* Scholarly research. Specific activities created by the student and mentor based on the project.

*Duration:* 2, 4, 8 weeks

*Coordinator:* Vicki Muscatello  
vicki.muscatello@ucdenver.edu

*Course Director:* Adam Terella  
adam.terella@ucdenver.edu

*Sub-I:* No  
*Approval Required:* Yes  
*Semester Offered:* Summer; Fall; Spring  
*Semester 2-Wk Offered:* All

*Grading:* Pass/Fail

*Sections Available:* Available in all sections

*Longitudinal Course:* No  
*Accept Visiting Students:* MD/No DO/No Int'l/ No

*Prerequisites / Restrictions:* Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

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

*Course Activities:* Scholarly research. Specific activities created by the student and mentor based on the project.

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**Pathology**

**PATH8000**  
*Description:* Student rotates through Anatomic Pathology (AP) services (surgical, cytology, autopsy, pediatric). Subspecialty rotations can be arranged in AP (hematopathology, neuropathology, renal, urologic, GI, pulmonary, molecular) or Clinical Pathology (CP) (clinical chemistry, microbiology, coagulation, transfusion medicine) per student's interest.

*Course Activities:* The student will rotate through a variety of anatomic and clinical pathology services, participating in the daily functioning of the service. Their responsibilities will vary depending on which service they are on and the services they are assigned to will be determined by their career goals and interests.

*Duration:* 2 or 4 weeks

*Coordinator:* Gretchen Haroldson  
gretchen.haroldson@ucdenver.edu

*Course Director:* Miriam Post  
miriam.post@ucdenver.edu

*Sub-I:* No  
*Approval Required:* No  
*Semester Offered:* Summer; Fall; Spring  
*Semester 2-Wk Offered:* All

*Grading:* Honor/High Pass

*Course Format:* Clinical  
*Location:* UCH, CHCO

*Sections Available:* Available in all sections

*Longitudinal Course:* No  
*Accept Visiting Students:* MD/Yes DO/Yes Int'l/ No

*Prerequisites / Restrictions:* Student rotates through Anatomic Pathology (AP) services (surgical, cytology, autopsy, pediatric). Subspecialty rotations can be arranged in AP (hematopathology, neuropathology, renal, urologic, GI, pulmonary, molecular) or Clinical Pathology (CP) (clinical chemistry, microbiology, coagulation, transfusion medicine) per student’s interest.

*Description:* The student will rotate through a variety of anatomic and clinical pathology services, participating in the daily functioning of the service. Their responsibilities will vary depending on which service they are on and the services they are assigned to will be determined by their career goals and interests.

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**PATH8100**  
*Description:* This elective will be held at a site in Colorado, out of state or internationally. Students must obtain Course Director approval at least one month in advance. International sites must be approved by the University Student Affairs Office.

*Course Activities:* Per outside institution requirements.

*Duration:* 2 or 4 weeks

*Coordinator:* Gretchen Haroldson  
gretchen.haroldson@ucdenver.edu

*Course Director:* Miriam Post  
miriam.post@ucdenver.edu

*Sub-I:* No  
*Approval Required:* Yes  
*Semester Offered:* Summer; Fall; Spring  
*Semester 2-Wk Offered:* All

*Grading:* Pass/Fail

*Course Format:* Clinical  
*Location:* Away

*Sections Available:* Available in all sections

*Longitudinal Course:* No  
*Accept Visiting Students:* MD/No DO/No Int'l/ No

*Prerequisites / Restrictions:* Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start. A full written description from course director at outside institution.

*Description:* This elective will be held at a site in Colorado, out of state or internationally. Students must obtain Course Director approval at least one month in advance. International sites must be approved by the University Student Affairs Office.

*Course Activities:* Per outside institution requirements.
**PATH8600  Research in Pathology**  
**Coordinator:** Gretchen Haroldson  
**Course Director:** Miriam Post  
**E-mail:** gretchen.haroldson@ucdenver.edu, miriam.post@ucdenver.edu  
**Semester Offered:** Summer; Fall; Spring  
**Duration:** 2, 4, 8 or 12 weeks  
**Enrollment Min:** 1  
**Max:** 0  
**Course Activities:** Varies per student interest and laboratory selected.

**Description:** The student will rotate with a Pathology faculty member or in their lab to participate in ongoing research which is relevant to his or her clinical or long-term academic interests.

**Approval Required:** Yes

**Sections Available:** Available in all sections

**Longitudinal Course:** No

**Additional Information:**

**Pediatric**

**PEDS8000  Pediatric Sub-I**  
**Coordinator:** Michael Baca  
**E-mail:** michael.baca@childrenscolorado.org  
**Course Director:** Jennifer Soep  
**E-mail:** jennifer.soep@ucdenver.edu  
**Semester Offered:** Summer; Fall; Spring  
**Duration:** 4 weeks  
**Enrollment Min:** 0  
**Max:** 4  
**Course Activities:** Designed for students interested in further training in pediatrics. Students function as an intern and are responsible for the admission, evaluation and continuing care of inpatients. Sub-internships are offered at Children’s Hospital Colorado and Denver Health.

**Approval Required:** No

**Sections Available:** Available in all sections

**Longitudinal Course:** No

**Additional Information:**

**Sub-I:** Yes

**Grading:** Honor/High Pass

**Location:** CHCO

**Accept Visiting Students:** MD/Yes  DO/Yes  Int’l/ Yes
**PEDS8004  Pediatric Cardiology**

**Description:** This elective provides an opportunity to become acquainted with the special diagnostic and therapeutic problems of the infant and child with heart disease. Diagnosis by history, physical examination, electrocardiography, chest x‐ray, echocardiography, and cardiac catheterization will be stressed. Discriminations between significant and insignificant findings and murmurs will be taught and the medical management and rationale behind selection of patients for surgery will be covered. The student may make rounds with the cardiology team, see consents, attend outpatient clinics, and participate in conferences. Oral and written performance evaluations are given at the end of the course. Medical students and pediatric residents are given the same responsibilities and opportunities for participation.

**Course Activities:** Students are expected to be present and prepared for all daily patient-related activities and learning experiences. There is no night call during this rotation, but there are opportunities to attend outreach clinics.

**PEDS8005  Allergy and Immunology CHCO**

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

**Course Activities:** Students are expected to be present and prepared for all daily patient-related activities and learning experiences. There is no night call during this rotation. Students will primarily spend time in allergy and immunology clinics at Children’s Hospital Colorado. Students will also have half-day learning experiences in the pulmonary function lab and the Children’s Hospital Colorado clinical laboratory.

**PEDS8006  National Jewish - Immunology/Allergy**

**Description:** 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.
PEDS8007  Child Abuse and Neglect  
Duration: 4 weeks  
Enrollment Min: 0  Max: 1

Coordinator: Michael Baca  
Course Director: Andrew Sirotnak  
andrew.sirotnak@childrenscolorado.org

Sub-I: No  Approval Required: No  Semester Offered: Summer; Fall; Spring  Semester 2-Wk Offered: 
Grading: Honor/High Pass  Course Format: Clinical  Location: 
Sections Available: Not Available Sections 9-12  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/Yes  Int’l/ Yes

Prerequisites / Restrictions: 
Description: Students learn about basic principles of child abuse and neglect. They participate in team evaluations of outpatient and inpatient child abuse cases and attend court. Held at Children’s Hospital Colorado and The Kempe Center. Primarily observational and includes independent study.

PEDS8008  Birth Defects/Genetics  
Duration: 4 weeks  
Enrollment Min: 0  Max: 1

Coordinator: Michael Baca  
Course Director: Margarita Saenz  
margarita.saenz@childrenscolorado.org

Sub-I: No  Approval Required: No  Semester Offered: Summer; Fall; Spring  Semester 2-Wk Offered: 
Grading: Honor/High Pass  Course Format: Clinical  Location: CHCO  
Sections Available: Not available sections 49-51  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/Yes  Int’l/ Yes

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

Course Activities: Students are expected to be present and prepared for all daily patient-related activities and learning experiences. There is no night call during this rotation.

PEDS8009  Peds Infectious Disease  
Duration: 2 or 4 weeks  
Enrollment Min: 0  Max: 1

Coordinator: Michael Baca  
Course Director: Kevin Messacar  
kevin.messacar@childrenscolorado.org

Sub-I: No  Approval Required: No  Semester Offered: Summer; Fall; Spring  Semester 2-Wk Offered: Spring 
Grading: Honor/High Pass or Pass/Fail (<4 wks)  Course Format: Clinical  Location: CHCO

Sections Available: Not available sections 49-51  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/Yes  Int’l/ Yes

Prerequisites / Restrictions: 
Description: This course provides experience in the pathophysiology, diagnosis, and therapy of childhood infections. Students evaluate inpatients and present cases at daily teaching rounds. Experience in the diagnostic Microbiology laboratory is provided. There is a weekly HIV/infectious diseases clinic.
**PEDS8011 Pediatric Pulmonary**

Description: Basic 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.

Course Activities: The student will attend pulmonary clinics and participate in consultations with other members of the service. The student will attend weekly conferences. Each student will be expected to prepare and present a seminar/case discussion on a pediatric pulmonary topic.

Duration: 4 weeks

Coordinator: Michael Baca
Course Director: Oren Kupfer
michael.baca@childrenscolorado.org
oren.kupfer@childrenscolorado.org

Sub-I: No Approval Required: No Semester Offered: Summer; Fall; Spring Semester 2-Wk Offered: 

Grading: Honor/High Pass or Pass/Fail (<4 wks) Course Format Clinical Location: CHCO

Sections Available: Not available sections 49-51 Longitudinal Course: No Accept Visiting Students: MD/Yes DO/Yes Int'l/ Yes

Prerequisites / Restrictions: Additional Information:
Description: Basic 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.

Course Activities: The student will attend pulmonary clinics and participate in consultations with other members of the service. The student will attend weekly conferences. Each student will be expected to prepare and present a seminar/case discussion on a pediatric pulmonary topic.

**PEDS8012 Pediatric Neurology**

Description: 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.

Course Activities: Students will be provided a calendar at the start of the rotation. The calendar will include their schedule for the month, which generally consists of 1-2 weeks in outpatient endocrinology clinic, 1 week in outpatient diabetes clinic, and 1 week on the wards/ICU covering both endocrine and diabetes consults. Outpatient weeks may include time spent in multi-disciplinary clinics learning about endocrine management of the following conditions: PCOS, Prader Willi Syndrome, XY disorders (ex. Klinefelter syndrome), type 2 diabetes, neuro-oncologic disorders, Turner syndrome, and pediatric thyroid cancer. Students are expected to work with the attendings and/or fellows to whom they are assigned and to assist in history taking and coming up with assessment and plans.

Duration: 4 weeks

Coordinator: Michael Baca
Course Director: Padmini Palat
michael.baca@childrenscolorado.org
padmini.palat@childrenscolorado.org

Sub-I: No Approval Required: No Semester Offered: Summer; Fall; Spring Semester 2-Wk Offered: 

Grading: Honor/High Pass Course Format Clinical Location: CHCO

Sections Available: Only available Sections 1, 5, 9, 13, 17, 21, 25, 29 & 33. Longitudinal Course: No Accept Visiting Students: MD/Yes DO/Yes Int'l/ Yes

Prerequisites / Restrictions: Additional Information:
Description: 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.

**PEDS8013 Pediatric Endocrinology**

Description: 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 clinics, and in clinical research clinics.

Course Activities: Students will be provided a calendar at the start of the rotation. The calendar will include their schedule for the month, which generally consists of 1-2 weeks in outpatient endocrinology clinic, 1 week in outpatient diabetes clinic, and 1 week on the wards/ICU covering both endocrine and diabetes consults. Outpatient weeks may include time spent in multi-disciplinary clinics learning about endocrine management of the following conditions: PCOS, Prader Willi Syndrome, XY disorders (ex. Klinefelter syndrome), type 2 diabetes, neuro-oncologic disorders, Turner syndrome, and pediatric thyroid cancer. Students are expected to work with the attendings and/or fellows to whom they are assigned and to assist in history taking and coming up with assessment and plans.

Duration: 4 weeks

Coordinator: Michael Baca
Course Director: Christine Chan
michael.baca@childrenscolorado.org
christinel.chan@childrenscolorado.org

Sub-I: No Approval Required: No Semester Offered: Summer; Fall; Spring Semester 2-Wk Offered: 

Grading: Honor/High Pass or Pass/Fail (<4 wks) Course Format Clinical Location: CHCO

Sections Available: Not available sections 49-51 Longitudinal Course: No Accept Visiting Students: MD/Yes DO/Yes Int'l/ Yes

Prerequisites / Restrictions: Additional Information:
Description: 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 clinics, and in clinical research clinics.

Course Activities: Students will be provided a calendar at the start of the rotation. The calendar will include their schedule for the month, which generally consists of 1-2 weeks in outpatient endocrinology clinic, 1 week in outpatient diabetes clinic, and 1 week on the wards/ICU covering both endocrine and diabetes consults. Outpatient weeks may include time spent in multi-disciplinary clinics learning about endocrine management of the following conditions: PCOS, Prader Willi Syndrome, XY disorders (ex. Klinefelter syndrome), type 2 diabetes, neuro-oncologic disorders, Turner syndrome, and pediatric thyroid cancer. Students are expected to work with the attendings and/or fellows to whom they are assigned and to assist in history taking and coming up with assessment and plans.
### PEDS8015  Pediatric Neonatology Sub-I

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

**Sub-I:** Yes  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**  
**Grading:** Honor/High Pass  
**Course Format:** Clinical  
**Location:** CHCO, DH  
**Sections Available:** Available in sections 1, 5, 9, 13, 17, 21, 25, 29, 33, 37 and 45  
**Prerequisites / Restrictions:** Only 2 spots available in Sections 9 and 13.  
**Course Format:** Clinical  
**Location:** CHCO, DH  
**Additional Information:** Students rotate at CHCO and DH

### PEDS8018  General Academic Peds

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

**Course Activities:** Students are expected to attend 8am daily didactic teaching sessions as well as noon conference and morning reports. Students will be seeing patients from 8:30 to approximately 5pm each day. Most learning is done at the bedside and through discussions about patients with their attendings.
PEDS8020  **Adolescent Medicine**  

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

**Course Activities:** Students will spend their time attending a variety of clinics at Children's Hospital Colorado. Adolescent Clinic, Eating Disorder, Micro Lab, Synergy Adolescent Treatment Services, Young Mother’s Clinic and Adolescent Gynecology and the Colorado Adolescent Maternity Program. Students will also spend time at the two Denver Health community clinics; Eastside Clinic and Westside Clinic. With approval from the Denver Public School System, students have the opportunity to attend the school based clinics that are part of the Denver Health System. Students will also attend three half-day didactic sessions for each of the four weeks of the rotation.

**Coordinator:** Michael Baca  
**Course Director:** Paritosh Kaul  
**michael.baca@childrenscolorado.org**  
**paritosh.kaul@childrenscolorado.org**

**Approval Required:** No  
**Semester Offered:** Fall; Spring  
**Semester 2-Wk Offered:**

**Sections Available:** Not available sections 49-51  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/No  
**DO/No  Int'l/ No**

**Prerequisites / Restrictions:**

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

**Course Activities:** Students will spend their time attending a variety of clinics at Children's Hospital Colorado. Adolescent Clinic, Eating Disorder, Micro Lab, Synergy Adolescent Treatment Services, Young Mother’s Clinic and Adolescent Gynecology and the Colorado Adolescent Maternity Program. Students will also spend time at the two Denver Health community clinics; Eastside Clinic and Westside Clinic. With approval from the Denver Public School System, students have the opportunity to attend the school based clinics that are part of the Denver Health System. Students will also attend three half-day didactic sessions for each of the four weeks of the rotation.
**PEDS8021  Peds Disability Medicine**

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

**Course Activities:** If students select the pediatric focused model, students will spend approximately 3 weeks in pediatric focused training sites, including the Special Care Clinic, Special Care Consult Service, Special Care Clinic nutrition services, Sie Center for Down Syndrome (including time with physical, occupational and speech therapists), Children’s Colorado Cerebral Palsy Program, home visits, Early Intervention services, and school services; they will spend approximately 1 week time in adult focused training sites including Wheat Ridge Regional Center, MCPN, home visits, and/or work training site or day program visit.

**Coordinator:** Michael Baca  
**Course Director:** Ellen Elias  
**Contact:** michael.baca@childrenscolorado.org  
**Email:** ellen.elias@ucdenver.edu

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**  
**Grading:** Pass/Fail  
**Location:** CHCO, UCH, MCPN, Wheat Ridge Regional Center

**Sections Available:** Available in all sections.

**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes DO/Yes Int’l/ Yes

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

**Course Activities:** If students select the pediatric focused model, students will spend approximately 3 weeks in pediatric focused training sites, including the Special Care Clinic, Special Care Consult Service, Special Care Clinic nutrition services, Sie Center for Down Syndrome (including time with physical, occupational and speech therapists), Children’s Colorado Cerebral Palsy Program, home visits, Early Intervention services, and school services; they will spend approximately 1 week time in adult focused training sites including Wheat Ridge Regional Center, MCPN, home visits, and/or work training site or day program visit.

**Coordinator:** Michael Baca  
**Course Director:** Edward Hoffenberg  
**Contact:** michael.baca@childrenscolorado.org  
**Email:** edward.hoffenberg@childrenscolorado.org

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** Spring

**Grading:** Honor/High Pass or Pass/Fail (<4 wks)  
**Course Format:** Clinical  
**Location:** CHCO

**Sections Available:** Not available sections 49-51  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes DO/Yes Int’l/ Yes

**Prerequisites / Restrictions:** Not available section 9. 2 week rotations offered from October - May only.

**Description:** 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.

**Course Activities:** Sample calendar  
Outpatient week  
Monday am-Liver clinic  
Monday pm-Procedure Unit  
Tuesday am-Fellows rounds 7:30-8  
Tuesday am-IBD clinic or Eosinophilic disorders clinic  
Tuesday pm-Intestinal Rehab clinic  
Wednesday am-Interventional procedure block  
Wednesday pm-celiac disease clinic  
Wednesday 4-6 conferences: radiology, pathology, research, topic, journal club  
Thursday am-General GI clinic Thursday pm-choice of: GI clinic, procedures, reading  
Friday am-General GI clinic or IBD clinic  
Friday pm-procedures, reading, other  
There are options to attend liver, eosinophilic disorders, and IBD team meetings weekly.  
Inpatient week  
Is different in that you will go on rounds with the GI or Liver team as well as the consultation team. In addition, there will be opportunity to see patients in GI clinic and urgent clinics. Students will gain experience in the GI or liver focused physical examination including of ano-rectal malformations, performing digital rectal examinations, abdominal exams.
**PEDS8023  Healthy Beginnings Clinic 4th Year Manager**

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

**Course Activities:**
- Attend steering committee meetings once per month and, if unable, are expected to read the meeting minutes and respond in a timely manner.
- Students will manage clinic 2-4 times per semester. During these sessions, students are expected.

**Coordinator:** Stephanie Stevens  
**Course Director:** Stephanie Stevens  
stephaniestevens@earthlink.net

**Semester Offered:** Fall; Spring  
**Semester 2-Wk Offered:** Fall; Spring

**Enrollment**  
Min: 0  
Max: 8

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**PEDS8024  Child Development/Behav.**

**Course Description:**
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.

**Course Activities:**
- Developmental Behavioral Pediatric medical evaluations and medical management
- Psychology developmental evaluation
- Multidisciplinary developmental evaluations observation of occupational therapy, speech language pathology, physical therapy, feeding, and nutrition evaluations
- Observation and review of typical developmental milestones at an early learning center group learning sessions with residents developmental pediatric didactics
- Independent reading

**Coordinator:** Michael Baca  
**Course Director:** Robyn Nolan  
robyn.nolan@childrenscolorado.org
michael.baca@childrenscolorado.org

**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** Spring

**Enrollment**  
Min: 0  
Max: 1

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**PEDS8025  Peds Emergency Medicine**

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

**Course Activities:**
Skills will be taught through one on one interaction with faculty and case presentations.

**Coordinator:** Michael Baca  
**Course Director:** Kelley Roswell  
kelley.roswell@childrenscolorado.org

**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** Spring

**Enrollment**  
Min: 0  
Max: 1

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Revised: 10/26/2016
PEDS8026  Pediatric Nephrology  

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

**Course Activities:** This is a combined inpatient and outpatient rotation. Students will act as a member of the inpatient renal consult service and also attend nephrology ward rounds. The student will also see patients in the outpatient setting. Responsibilities include:
- Attend morning rounds for both the primary inpatient team and kidney consult service (Monday-Friday mornings)
- Attend Kidney Center outpatient clinics: a. Peritoneal dialysis (Mon afternoon) b. Transplant clinic (Mon and Thurs mornings) c. Cystinosis clinic (Wed morning in select months) d. Stone clinic (Wed morning in select months) e. General Nephrology (Wed and Thurs afternoons, Fri mornings) f. PUV Clinic (Fri morning in select months)
- Attend clinical meetings: a. Kidney Center clinical patient review b. Dialysis quality improvement c. Transplant meeting
- Attend any quarterly educational conferences that are scheduled during your rotation a. Urology/Nephrology conference b. Adult/Pediatric Nephrology conference c. Kidney biopsy conference

**Typical outpatient schedule:**
- Monday AM: Inpatient Rounds/Consults or Transplant Clinic
- PM: Peritoneal Dialysis Clinic
- Tuesday AM: Inpatient Rounds/Consults
- PM: Reading/Cases/Consults
- Wednesday AM: Inpatient Rounds/Consults
- PM: General Nephrology Clinic
- Thursday AM: Inpatient Rounds/Consults or Transplant Clinic
- PM: General Nephrology Clinic
- Friday AM: Inpatient Rounds/Clinic
- PM: Reading/Cases/Consults

**Duration:** 2 or 4 weeks

**Coordinator:** Michael Baca  
**Course Director:** Melisha Hanna

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** Spring

**Grading:** Honor/High Pass

**Sections Available:** Not available sections 49-51

**Additional Information:**

PEDS8027  Pediatric ICU Sub-I  

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

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

**Additional Information:**

PEDS8029  Breastfeeding Management  

**Description:** 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.

**Course Activities:** Students will spend time with lactation consultants in clinical and community settings. Students may also visit a milk bank, a La Leche league meeting, and have opportunities to participate in other community breastfeeding events.
**PEDS8030  Vaccination in Pediatrics**  
*Description:* 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.

*Course Activities:* This course is designed for anyone interested in improving their ability to talk with parents who have questions about vaccines. The course is a combination of one-on-one teaching with the course director, online modules, reading materials including review articles and original literature, and clinical time with primary care providers with expertise in vaccines. Prepare a 15-20 minute talk designed for either parents, providers, or both, on a topic of your choice.

*Coordinator:* Michael Baca  
*michael.baca@childrenscolorado.org*  
*Course Director:* Sean O’Leary  
*sean.oleary@childrenscolorado.org*

**PEDS8031  Pediatric Hem/Onc**  
*Description:* Provides a good overview of pediatric hematology and oncology and exposure to a wide variety of diagnostic and therapeutic problems. Students participate in educational sessions, outpatient clinics and inpatient management.

*Course Activities:* First two weeks (inpatient): Monday-Friday: The student will pre-round on his/her patients in the morning. They will have the option of attending the general pediatrics morning report, which is at 7:30 AM. Hematology rounds usually start at 9 AM and Oncology rounds usually start at 9:30 AM, finishing around noon.

*Coordinator:* Michael Baca  
*michael.baca@childrenscolorado.org*  
*Course Director:* Brian Greffe  
*brian.greffe@childrenscolorado.org*

**PEDS8032  Pediatric Radiology**  
*Description:* The Department of Diagnostic Radiology at Children’s Hospital Colorado offers a 2 or 4 week pediatric radiology elective rotation. Here students will gain exposure to all imaging modalities including: radiology, ultrasound, fluoroscopy, nuclear medicine (including PET/CT, CT and MRI). Additionally students are encouraged to attend the many departmental and inter-department conferences. This valuable experience will assist in understanding the basics of pediatric imaging and correlation with anatomy and pathology. Ultimately, this experience will aid in improving pediatric care and guide you in ordering appropriate exams. The goals of the rotation are to develop skills in basic image interpretation and learn indications for specific diagnostic modalities.

*Course Activities:* Morning readout at work stations attend all conferences relevant to practice daily afternoon conferences, procedures, ultrasound and fluoroscopy as available online learning when instructor unavailable.

*Coordinator:* Michael Baca  
*michael.baca@childrenscolorado.org*  
*Course Director:* Kari Hayes  
*kari.hayes@childrenscolorado.org*
PEDS8100  **PEDS Elective Away**  
**Description:** 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 Activities:** Activities will vary based on the away site of choice  
**Duration:** 2 or 4 weeks  
**Coordinator:** Michael Baca  
**Course Director:** Jennifer Soep  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Pass/Fail  
**Sections Available:** Not available in sections 49-50  
**Prerequisites/Restrictions:** Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start. Sections 49-50 not available.  
**Description:** 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 Activities:** Activities will vary based on the away site of choice  

PEDS8600  **Research in Pediatrics**  
**Description:** This course provides an opportunity for students to participate in clinical or basic science research. The student must identify a research project and mentor and receive approval from the course director. Course is graded on a pass/fail basis only.  
**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.  
**Duration:** 2, 4, 8 or 12 week  
**Coordinator:** Michael Baca  
**Course Director:** Jennifer Soep  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Pass/Fail  
**Sections Available:** Not available in sections 49-50  
**Prerequisites/Restrictions:** Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start. Sections 49-50 not available.  
**Description:** This course provides an opportunity for students to participate in clinical or basic science research. The student must identify a research project and mentor and receive approval from the course director. Course is graded on a pass/fail basis only.  
**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.  

PEDS8630  **PEDS Research Away**  
**Description:** This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.  
**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.  
**Duration:** 2, 4, 8 weeks  
**Coordinator:** Michael Baca  
**Course Director:** Jennifer Soep  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Pass/Fail  
**Sections Available:** Not available in sections 49-50  
**Prerequisites/Restrictions:** Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start. Sections 49-50 not available.  
**Description:** This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.  
**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.
**Physical Medicine And Rehabilitation**

**PHMD8000  Physical Med & Rehab**

**Description:** The elective provides experience in the diagnosis and treatment of patients with pathology of the neurologic and musculoskeletal systems. 4 different locations (VA, DH, UCH, CHC) allow treatment of a variety of conditions related to rehabilitation.

**Course Activities:** Students attend weekly resident lectures and journal clubs, participate in daily rounds, family meetings, and discharge planning. They will be working in conjunction with our residents, fellows, and faculty in providing direct patient care daily. Residents clinical schedules vary widely from clinical site, section, and supervising attending.

**Duration:** 2 or 4 weeks  
**Enrollment** Min: 1 Max: 4  
**Coordinator:** Mallory Pridy  
mallory.pridy@ucdenver.edu  
**Course Director:** Scott Laker  
scott.laker@ucdenver.edu  
**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer;Fall;Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Honor/High Pass or Pass/Fail (<4 wks)  
**Course Format:** Clinical  
**Location:** UCH, CHCO, VA, DHMC  
**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes DO/Yes Int’l/ Yes  
**Prerequisites / Restrictions:**

**Additional Information:**

**PHMD8100  PHMD Elective Away**

**Description:** 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 Activities:** Activities will vary based on the away site of choice

**Duration:** 2 or 4 weeks  
**Enrollment** Min: 1 Max: 99  
**Coordinator:** Mallory Pridy  
mallory.pridy@ucdenver.edu  
**Course Director:** Scott Laker  
scott.laker@ucdenver.edu  
**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer;Fall;Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Pass/Fail  
**Course Format:** Clinical  
**Location:** Away  
**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ No DO/ No Int’l/ No  
**Prerequisites / Restrictions:** Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

**Description:** 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 Activities:** Activities will vary based on the away site of choice

**PHMD8600  Research Physical Med**

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

**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.

**Duration:** 2, 4, 8 or 12 week  
**Enrollment** Min: 1 Max: 99  
**Coordinator:** Mallory Pridy  
mallory.pridy@ucdenver.edu  
**Course Director:** Scott Laker  
scott.laker@ucdenver.edu  
**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer;Fall;Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Pass/Fail  
**Course Format:** Research/Scholarly Activity  
**Location:** SOM  
**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ No DO/ No Int’l/ No  
**Prerequisites / Restrictions:** Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

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

**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.
### Preventive Medicine

**PRMD8003 Specialty Preventive Med**

**Description:** 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.

**Course Activities:** Students will have an experience in preventive med tailored to their specific career plans.

<table>
<thead>
<tr>
<th>Duration</th>
<th>Enrollment</th>
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</thead>
<tbody>
<tr>
<td>4 weeks</td>
<td>Min: 1 Max: 4</td>
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</tbody>
</table>

**Coordinator:** Please contact the Course Director  
**Course Director:** Carolyn Diguiseppi  
[carolyn.diguiseppi@ucdenver.edu](mailto:carolyn.diguiseppi@ucdenver.edu)

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer, Fall, Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Pass/Fail  
**Course Format:** Clinical  
**Location:** Away  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/No DO/No Int’l/Yes

**Prerequisites:** Course Director approval required to add course.

**Additional Information:** Varied location; arranged between student and course director.

### PRMD8006 Dir Study Ethics/Humanit

**Description:** 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.

**Course Activities:** Students will complete a final project, either written or presented.

<table>
<thead>
<tr>
<th>Duration</th>
<th>Enrollment</th>
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<tbody>
<tr>
<td>2, 4, 8 weeks</td>
<td>Min: 1 Max: 99</td>
</tr>
</tbody>
</table>

**Coordinator:** Jackie Glover  
[jackie.glover@ucdenver.edu](mailto:jackie.glover@ucdenver.edu)

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer, Fall, Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Pass/Fail  
**Course Format:** Research/Scholarly Activity  
**Location:** SOM  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes DO/Yes Int’l/Yes

**Prerequisites:** Course Director approval required to add course.

**Additional Information:**

### PRMD8100 PRMD Elective Away

**Description:** 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 Activities:** Students will have an experience in preventive med tailored to their specific career plans.

<table>
<thead>
<tr>
<th>Duration</th>
<th>Enrollment</th>
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<tbody>
<tr>
<td>2 or 4 weeks</td>
<td>Min: 1 Max: 4</td>
</tr>
</tbody>
</table>

**Coordinator:** Please contact the Course Director  
**Course Director:** Carolyn Diguiseppi  
[carolyn.diguiseppi@ucdenver.edu](mailto:carolyn.diguiseppi@ucdenver.edu)

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer, Fall, Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Pass/Fail  
**Course Format:** Clinical  
**Location:** Away  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/No DO/No Int’l/Yes

**Prerequisites:** Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

**Additional Information:**

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Revised: 10/26/2016
**PRMD8600  Research Preventive Med**

**Coordinator:** Please contact the Course Director  
**Course Director:** Carolyn Diguiseppi  
[carolyn.diguiseppi@ucdenver.edu](mailto:carolyn.diguiseppi@ucdenver.edu)

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Pass/Fail  
**Course Format:** Research/Scholarly Activity  
**Location:** SOM  
**Duration:** 2, 4, 8 weeks  
**Enrollment**  
**Min:** 1  
**Max:** 4

**Prerequisites / Restrictions:** Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

**Description:** 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.

**Course Activities:** Students will have an experience in preventive med tailored to their specific career plans.

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**PRMD8630  PRMD Research Away**

**Coordinator:** Please contact the Course Director  
**Course Director:** Carolyn Diguiseppi  
[carolyn.diguiseppi@ucdenver.edu](mailto:carolyn.diguiseppi@ucdenver.edu)

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Pass/Fail  
**Course Format:** Research/Scholarly Activity  
**Location:** Away  
**Duration:** 2, 4, 8 weeks  
**Enrollment**  
**Min:** 1  
**Max:** 4

**Prerequisites / Restrictions:** Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

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

**Course Activities:** Students will have an experience in preventive med tailored to their specific career plans.
## PSYM8000  Advanced Inpatient Psychiatry

**Coordinator:** Sharon Campbell  
[sharon.campbell@ucdenver.edu](mailto:sharon.campbell@ucdenver.edu)

**Course Director:** Abraham Nussbaum  
[abraham.nussbaum@dhha.org](mailto:abraham.nussbaum@dhha.org)

**Duration:** 4 weeks  
**Enrollment**  
Min: 0  
Max: 2

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer, Fall, Spring  
**Semester 2-Wk Offered:**

**Grading:** Honor/High Pass  
**Course Format:** Clinical  
**Location:** VA, DHMC

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes  
DO/Yes  
Int'l/ Yes

**Prerequisites / Restrictions:**

- Evaluate and manage adults hospitalized with psychiatric disorders. In an interdisciplinary team, students learn about psychopathology, psychopharmacology, psychotherapy, and the systems of care for adults with mental illness. Students assume the responsibilities for care of patients typical of interns.

**Description:**

In an interdisciplinary team, students learn about psychopathology, psychopharmacology, psychotherapy, and the systems of care for adults with mental illness. Students assume the responsibilities for care of patients typical of interns.

**Course Activities:**

- Review the American Psychiatric Association practice guidelines (if available) and other relevant peer-reviewed, evidence-based sources.
- Diagnose patients using DSM-5 criteria.
- Formulate patients using developmental, psychological, and biological perspectives.
- Function at the level of a psychiatric intern.
- Present an article at the weekly journal club.

## PSYM8001  Prim. Care Subst. Probs.

**Coordinator:** Elisa Upwood  
[elisa.upwood@ucdenver.edu](mailto:elisa.upwood@ucdenver.edu)

**Course Director:** Paula Riggs  
[paula.riggs@ucdenver.edu](mailto:paula.riggs@ucdenver.edu)

**Duration:** 2 or 4 weeks  
**Enrollment**  
Min: 1  
Max: 2

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer, Fall, Spring  
**Semester 2-Wk Offered:** All

**Grading:** Honor/High Pass or Pass/Fail (&lt;4 wks)  
**Course Format:** Clinical  
**Location:** ARTS - Addiction Research and Treatment Services

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes  
DO/Yes  
Int'l/ Yes

**Prerequisites / Restrictions:**

- Course Director approval required to add course. Must contact course director at least 6 weeks before course starts to add.

**Description:**

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.

**Course Activities:**

In the first 2 weeks students are scheduled for eight tutorial sessions, each 1-2 hours in length with eight different faculty members; the sessions are to guide students as they formulate their six treatment plans. Separately, they meet for about 3.5 hours with Dr. Riggs for a course orientation, a tutorial, and a review and grading of the written plans (described below). They spend 1-2 hours in adolescent case conferences run by Dr. Sakai. Students see substance-dependent patients with Drs. Sakai and Hoffenberg, each for about 3 hours. They also are responsible for completing a lengthy reading list before writing their final paper.
**Elective in Psychiatry**

**Description:** A student, in conjunction with the office of psychiatry medical student education, chooses to work with patients on an inpatient psychiatry ward, an outpatient clinic, or other psychiatric service (for which another elective is not already available) as a member of a treatment team.

**Course Activities:** Learning activities will vary and must be agreed upon between the course director and supervising faculty member prior to the start of the elective. Learning activities must also be discussed with the student prior to the start of the elective.

**Coordinator:** Sharon Campbell  
[sharon.campbell@ucdenver.edu](mailto:sharon.campbell@ucdenver.edu)

**Course Director:** Abraham Nussbaum  
[abraham.nussbaum@dhha.org](mailto:abraham.nussbaum@dhha.org)

**Duration:** 2 or 4 weeks  
**Enrollment** Min: 0  Max: 99

**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Grading:** Pass/Fail  
**Course Format:** Clinical  
**Location:** SOM

**Pre-requisites:** Pre-choice of course director and coordinator.  
**Additional Information:** By definition, this elective allows students and faculty members to create an elective that is otherwise not available at the school. However, the particular topics will vary.

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**Child and Adolescent Psych**

**Description:** Evaluate and manage children and adolescents hospitalized with psychiatric disorders. As members of an interdisciplinary team, students learn about psychopathology, psychopharmacology, psychotherapy, family therapy, as well as the systems of care for children and adolescents with mental illness.

**Course Activities:**
1. Review the Academy of Adolescent and Child Psychiatry practice guidelines (if available) and other relevant peer-reviewed, evidence-based sources.
2. Diagnose patients using DSM-5 criteria.
3. Formulate patients using developmental, psychological, and biological perspectives.
4. Function at the level of a psychiatric intern.

**Additional Information:**

**Coordinator:** Sharon Campbell  
[sharon.campbell@ucdenver.edu](mailto:sharon.campbell@ucdenver.edu)

**Course Director:** Abraham Nussbaum  
[abraham.nussbaum@dhha.org](mailto:abraham.nussbaum@dhha.org)

**Duration:** 4 weeks  
**Enrollment** Min: 0  Max: 2

**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**

**Grading:** Honor/High Pass  
**Course Format:** Clinical  
**Location:** DHMC, CHCO

**Pre-requisites:** 
**Additional Information:**

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**Sub-I:** No  
**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes  DO/Yes  Int'l/Yes

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**Prerequisites**

**Location:** SOM

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**Enrollment**

**Max:** 99

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**Revision Details:**

**Revised:** 10/26/2016
**PSYM8006 Clinical PSYM Consultation/Liaison**  
**Description:** Consultation-Liaison Psychiatry, a board-certified subspecialty, combines knowledge of medical illnesses, psychotherapy, and psychopharmacology, with an ability to forge liaisons within the medical community. Students evaluate and aid patients with psychiatric disorders within medical settings as part of an interdisciplinary team.

**Course Activities:**
1. Diagnose patients using DSM-5 criteria.
2. Formulate patients using developmental, psychological, and biological perspectives.
3. Function at the level of a psychiatric intern.
4. Critically engage the evidence-based literature.
5. Learn motivational interviewing techniques for the engagement of patients with substance use disorders.
6. Appreciate the close relationship between medical and psychiatric illness and increase the ability to identify delirium and dementia and other syndromes requiring immediate medical intervention.

Additional details are available in the syllabus.

**Coordinator:** Sharon Campbell  
**sharon.campbell@ucdenver.edu**  
**Course Director:** Abraham Nussbaum  
**abraham.nussbaum@dhha.org**

**Duration:** 4 weeks  
**Enrollment**  
Min: 0  
Max: 1  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**  
**Sub-I:** No  
**Approval Required:** No  
**Grading:** Honor/High Pass  
**Course Format:** Clinical  
**Location:** UCH, DHMC  
**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes DO/Yes Int'l/ Yes  
**Prerequisites / Restrictions:**  

**Additional Information:**

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**PSYM8007 Clinical PSYM Emergency Services**  
**Description:** The student will encounter, evaluate and treat a broad range of acute psychiatric difficulties while gaining an appreciation for the ways medical, psychiatric, and psychosocial problems interact in a dedicated psychiatric emergency department. Learn to intervene in a psychiatric crisis, to diagnose mental disorders, and to evaluate lethality.

**Course Activities:**
1. Review the American Psychiatric Association practice guidelines (if available) and other relevant peer-reviewed, evidence-based sources.
2. Diagnose patients using DSM-5 criteria.
3. Formulate patients using developmental, psychological, and biological perspectives.
4. Function at the level of a psychiatric intern.
5. Work effectively as an integral part of an multidisciplinary team.

Additional details are available in the syllabus.

**Coordinator:** Sharon Campbell  
**sharon.campbell@ucdenver.edu**  
**Course Director:** Abraham Nussbaum  
**abraham.nussbaum@dhha.org**

**Duration:** 4 weeks  
**Enrollment**  
Min: 0  
Max: 2  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**  
**Sub-I:** No  
**Approval Required:** No  
**Grading:** Honor/High Pass  
**Course Format** Clinical  
**Location:** DHMC, CHCO  
**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes DO/Yes Int'l/ Yes  
**Prerequisites / Restrictions:**  

**Additional Information:**
**PSYM8008 Clinical PSYM Forensic**

**Description:**
An introduction to the clinical interface of psychiatry and law. Students participate in the evaluation of people entering pleas of incompetency to stand trial by reason of insanity as well as the treatment and restoration to competency process.

**Course Activities:**
1. Demonstrate capacity to complete one competency assessment interview under supervision of resident/attending.
2. Demonstrate capacity to complete one competency assessment report for the court.
3. Diagnose patients using DSM-5 criteria.
4. Formulate patients using developmental, psychological, and biological perspectives.
5. Function at the level of a psychiatric intern.

Additional details are available in the syllabus.

**Coordinator:** Sharon Campbell
**Course Director:** Abraham Nussbaum
**sharon.campbell@ucdenver.edu**  
**abraham.nussbaum@dhha.org**

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**

**Grading:** Honor/High Pass  
**Course Format:** Clinical  
**Location:** Fort Logan Mental Health Institute

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes DO/Yes Int'l/Yes

**Prerequisites**

**Additional Information:**

**Duration:** 4 weeks  
**Enrollment Min:** 0  
**Max:** 1

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**PSYM8009 Clinical PSYM Addiction**

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

**Course Activities:**
1. Evaluate and diagnose substance use disorders in adults, using DSM-5 criteria.
2. For each assigned patient, develop and implement a treatment plan specific to substance use disorders.
3. Formulate patients using developmental, psychological, and biological perspectives.
4. Exhibit expertise and skill in working with and coordinating a multidisciplinary team for the treatment of a person with a substance use disorder.
5. Function at the level of a psychiatric intern.

Additional details are available in the syllabus.

**Coordinator:** Sharon Campbell
**Course Director:** Abraham Nussbaum
**sharon.campbell@ucdenver.edu**  
**abraham.nussbaum@dhha.org**

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**

**Grading:** Honor/High Pass  
**Course Format:** Clinical  
**Location:** CeDAR

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes DO/Yes Int'l/Yes

**Prerequisites**

**Additional Information:**

**Duration:** 4 weeks  
**Enrollment Min:** 0  
**Max:** 1

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Revised: 10/26/2016
PSYM8010  **Clin PSYM Eating Disorders**

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

**Course Activities:**
1. Review the American Psychiatric Association practice guidelines and American Academy of Child & Adolescent Psychiatry practice parameters (if available) and other relevant peer-reviewed, evidence-based sources.
2. Diagnose patients using DSM-5 criteria.
3. Formulate patients using developmental, psychological, and biological perspectives.
4. Function at the level of a psychiatric intern.
5. Actively participate in clinical supervision to include readings, current literature reviews, case discussions, and discussions with team members on psychotherapeutic approaches to individual, group and family work.

Additional details are available in the syllabus.

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PSYM8100  **PSYM Elective Away**

**Description:** The Psychiatry elective will be held at a non-affiliate site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. International sites must be pre-approved by Student Affairs.

**Course Activities:** Learning activities will vary and must be agreed upon between the course director and supervising faculty member prior to the start of the elective. Learning activities must also be discussed with the student prior to the start of the elective.

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**Coordinator:** Sharon Campbell  
**Course Director:** Abraham Nussbaum  
**Sharon.campbell@ucdenver.edu**  
**abraham.nussbaum@dhha.org**

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**

**Grading:** Honor/High Pass  
**Course Format:** Clinical  
**Location:** CHCO  
**Duration:** 4 weeks  
**Enrollment Min:** 0  
**Max:** 2

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ Yes  
**DO/ Yes**  
**Int'l/ Yes**

**Prerequisites / Restrictions:**

**Additional Information:**

**Coordinator:** Sharon Campbell  
**Course Director:** Abraham Nussbaum  
**sharon.campbell@ucdenver.edu**  
**abraham.nussbaum@dhha.org**

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Grading:** Pass/Fail  
**Course Format:** Clinical  
**Location:** Away  
**Duration:** 2 or 4 weeks  
**Enrollment Min:** 0  
**Max:** 99

**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ No  
**DO/ No**  
**Int'l/ No**

**Prerequisites / Restrictions:** Pre-approval of course director and coordinator.

**Additional Information:**

**Description:** Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

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Revised: 10/26/2016
**Research in Psychiatry**

**Coordinator:** Sharon Campbell  
[sharon.campbell@ucdenver.edu](mailto:sharon.campbell@ucdenver.edu)

**Course Director:** Joseph Sakai  
[joseph.sakai@ucdenver.edu](mailto:joseph.sakai@ucdenver.edu)

**Duration:** 2, 4, 8 or 12 week  
**Enrollment**  
**Min:** 0  
**Max:** 99

**Sub-I:** No  
**Approval Required:** Yes

**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Grading:** Pass/Fail

**Sections Available:** Available in all sections

**Prerequisites**  
Course Director Approval

**Additional Information:**
- Description: Research in Psychiatry is an elective course for phase IV medical students. Students may focus in various areas of Psychiatry. Contact Randy Ross, MD or Joseph Sakai, MD for a menu of research options. Students must receive prior approval from the Course Director and the Associate Dean for Student Affairs to add the course.
- Course Activities: Learning activities must be agreed upon between the course director and research mentor prior to the start of the elective. Learning activities must also be discussed with the student prior to the start of the elective.

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**Radiation Oncology**

**RAON8005 Radiation Oncology**

**Coordinator:** Sandra Korn  
[sandra.korn@ucdenver.edu](mailto:sandra.korn@ucdenver.edu)

**Course Director:** Christine Fisher  
[christine.fisher@ucdenver.edu](mailto:christine.fisher@ucdenver.edu)

**Duration:** 4 weeks  
**Enrollment**  
**Min:** 1  
**Max:** 2

**Sub-I:** No  
**Approval Required:** No

**Semester Offered:** Summer; Fall;  
**Semester 2-Wk Offered:**

**Grading:** Honor/High Pass

**Course Format**  
Clinical

**Location:** UCH, Anschutz Cancer Pavilion

**Sections Available:** Not Available Sections 25-32

**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes DO/No Int’l/ No

**Prerequisites**  
Fall term will need to be restricted to only the Aug 31-Sept 25 session and the Sept 28-Oct 23 session.

**Description:** 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.

**Course Activities:** Attend Tumor Boards, Multi-Disciplinary clinics, Chart Rounds, Attending lectures, Resident lectures, Resident Education courses, shadow residents and Attending’s during consults, follow ups, week checks and CT simulations.

**RAON8100 RAON Elective Away**

**Coordinator:** Sandra Korn  
[sandra.korn@ucdenver.edu](mailto:sandra.korn@ucdenver.edu)

**Course Director:** Christine Fisher  
[christine.fisher@ucdenver.edu](mailto:christine.fisher@ucdenver.edu)

**Duration:** 4 weeks  
**Enrollment**  
**Min:** 1  
**Max:** 99

**Sub-I:** No  
**Approval Required:** Yes

**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**

**Grading:** Pass/Fail

**Course Format**  
Clinical

**Location:** Away

**Longitudinal Course:** No  
**Accept Visiting Students:** MD/No DO/No Int’l/ No

**Prerequisites**  
Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

**Description:** 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.

**Course Activities:** Activities will vary based on the away site of choice
RAON8600  **Research RAD Oncology**  
**Description:** Radiation oncology research.  
**Course Activities:** Attending educational lectures in research methods, radiation oncology clinical care, physics, and radiobiology  
**Coordinator:** Sandra Korn  
**Course Director:** Christine Fisher  
**Duration:** 4 weeks  
**Enrollment Min:** 1  
**Max:** 1  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Sections Available:** Available in all sections  
**Prerequisites:** Must have completed RAON 8005 & have Dr. Fisher’s approval  
**Course Format:** Research/Scholarly Activity  
**Location:** UCH, Anschutz Cancer Pavilion  
**Additional Information:** Fall (not December, possibly not ASTRO Annual Meeting September 25-28, 2016: this meeting moves, will need to assess yearly & when interview invites are sent) and Spring  

RAON8630  **RAON Research Away**  
**Description:** This research elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Affairs, and there may be additional requirements for these.  
**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project  
**Coordinator:** Sandra Korn  
**Course Director:** Christine Fisher  
**Duration:** 2, 4, 8 weeks  
**Enrollment Min:** 1  
**Max:** 1  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Sections Available:** Available in all sections  
**Prerequisites:** Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.  
**Location:** Away  
**Additional Information:**  

**Radiology**  
RADI8000  **Diagnostic Radiology**  
**Description:** 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.  
**Course Activities:** Active work station assessment of both current patients and teaching file studies. Oral discussion of imaging of ED, ICU, inpatient and "must see-can't miss" radiographs. 3-hour evening call with current Body and Neuro Residents. Medical Student specific lectures given by Radiology faculty. Attend Noon conference and Proven Case Conference with Residents and Faculty  
**Coordinator:** Katelynn Weber  
**Course Director:** James Davidson  
**Duration:** 4 weeks  
**Enrollment Min:** 1  
**Max:** 4  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Sections Available:** Not Available Sections 29 and 33  
**Prerequisites:** Course not available sections 29 and 33.  
**Location:** UCH  
**Additional Information:**
RADI8002  Nuclear Medicine

Description: Nuclear Medicine encompasses the various uses of radiopharmaceuticals 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.

Course Activities: The medical student will shadow the radiology residents in the performance of their major duties. Students will be assigned Module 1, which are the goals and objectives given to first year radiology resident during their first month rotation in Nuclear Medicine.

Coordinator: Katelynn Weber
Course Director: Jennifer Kwak

Sub-I: No Approval Required: No Semester Offered: Summer;Fall;Spring Semester 2-Wk Offered: Spring
Grading: Honor/High Pass or Pass/Fail (<4 wks) Course Format: Clinical Location:
Sections Available: Not Available Sections 29 and 33 Longitudinal Course: No Accept Visiting Students: MD/Yes DO/Yes Int'l/ No

Prerequisites / Restrictions:
Description: Nuclear Medicine encompasses the various uses of radiopharmaceuticals 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.

Course Activities: The medical student will shadow the radiology residents in the performance of their major duties. Students will be assigned Module 1, which are the goals and objectives given to first year radiology resident during their first month rotation in Nuclear Medicine.

RADI8007  Interventional Radiology

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

Course Activities: Medical students attend morning rounds with the IR attendings, fellows, residents, and physician assistants during which the cases for the day are discussed. Inpatients on the service are also discussed and ongoing clinical issues addressed. Students are to scrub in and assist on procedures throughout the day and are expected to follow 1-2 inpatients per week on the floor. Students will take weekday and/or weekend call. Students will use the PACS to review patient’s prior and current imaging and the EMR to review laboratory values and relevant clinical information. Students attend all IR conferences that include a weekly didactic IR conference and a multidisciplinary vascular medicine conference. They can also attend the daily radiology resident noon conference. “Bedside” learning and teaching occurs throughout the day and there are informal teaching sessions in between cases. Interventional radiology handbooks and texts are also readily available for additional or more in-depth learning.

Coordinator: Katelynn Weber Course Director: Kimi Kondo

Sub-I: No Approval Required: Yes: for 2wk course Semester Offered: Summer;Fall;Spring Semester 2-Wk Offered: All
Grading: Honor/High Pass or Pass/Fail (<4 wks) Course Format: Clinical Location: UCH
Sections Available: Not Available Sections 45-48 Longitudinal Course: No Accept Visiting Students: MD/Yes DO/Yes Int'l/ No

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

Course Activities: Medical students attend morning rounds with the IR attendings, fellows, residents, and physician assistants during which the cases for the day are discussed. Inpatients on the service are also discussed and ongoing clinical issues addressed. Students are to scrub in and assist on procedures throughout the day and are expected to follow 1-2 inpatients per week on the floor. Students will take weekday and/or weekend call. Students will use the PACS to review patient’s prior and current imaging and the EMR to review laboratory values and relevant clinical information. Students attend all IR conferences that include a weekly didactic IR conference and a multidisciplinary vascular medicine conference. They can also attend the daily radiology resident noon conference. “Bedside” learning and teaching occurs throughout the day and there are informal teaching sessions in between cases. Interventional radiology handbooks and texts are also readily available for additional or more in-depth learning.
RADI8100  RADI Elective Away  

**Description:** 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 Activities:** Activities will vary based on the away site of choice

**Coordinator:** Katelynn Weber  
katelynn.2.weber@ucdenver.edu

**Course Director:** Kimi Kondo  
kimi.kondo@ucdenver.edu

**Sub-I:** No  **Approval Required:** Yes  **Semester Offered:** Summer; Fall; Spring  **Semester 2-Wk Offered:** All

**Grading:** Pass/Fail  

**Course Format:** Clinical  

**Location:** Away

**Sections Available:** Available in all sections  

**Prerequisites** The student must receive approval from the Associate Dean for Student Affairs and the Course Director one month in advance. For rotation approval, students must first provide name, address, email address and phone number of the preceptor or away course director.

**Additional Information:**

**Description:** 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 Activities:** Activities will vary based on the away site of choice

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RADI8600  Research in Radiology  

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

**Course Activities:** Students will work with a faculty member on a research project. Activities can include literature search, data collection and analysis, writing abstract, protocol, IRB application, and manuscript.

**Coordinator:** Katelynn Weber  
katelynn.2.weber@ucdenver.edu

**Course Director:** Kimi Kondo  
kimi.kondo@ucdenver.edu

**Sub-I:** No  **Approval Required:** Yes  **Semester Offered:** Summer; Fall; Spring  **Semester 2-Wk Offered:** All

**Grading:** Pass/Fail  

**Course Format:** Research/Scholarly Activity  

**Location:**

**Sections Available:** Available in all sections  

**Prerequisites** Approval must be obtained from the course director prior to starting the course. For rotation approval, the student must provide: 1) Name and contact information for the research mentor (address, email address and phone number); 2) Approval from the men.

**Additional Information:**

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

**Course Activities:** Students will work with a faculty member on a research project. Activities can include literature search, data collection and analysis, writing abstract, protocol, IRB application, and manuscript.

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RADI8630  RADI Research Away  

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

**Course Activities:** Students will work with a faculty member on a research project. Activities can include literature search, data collection and analysis, writing abstract, protocol, IRB application, and manuscript.
**SURG8000  Gen Surg Univ Sub-I**  
Duration: 4 weeks  
Enrollment Min: 1  
Max: 6

**Coordinator:** Mary Kay Anderson  
mary.k.anderson@ucdenver.edu

**Course Director:** Thomas Whitehill  
thomas.whitehill@va.gov

**Sub-I:** Yes  
**Approval Required:** No

**Semester Offered:** Summer; Fall; Spring

**Semester 2-Wk Offered:**

**Grading:** Honor/High Pass

**Course Format:** Clinical

**Location:** UCH

**Sections Available:** Available in all sections - Sections 9-25 have a total of 6 slots per rotation.

**Prerequisites / Restrictions:**

**Description:** Students perform intern responsibilities on General Surgery 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.

**Course Activities:** Students are expected to function like interns on the surgery teams with full responsibilities and expectations. The rotation emphasizes professionalism, system-based practice and communication skills important for interprofessional cooperation. Additional focus is placed on patient care and safety culture including SBAR communication methodology, hand-offs, and sign-out skills. Students can choose from one of five surgical specialty team assignments. The educational goals and teaching strategies adopted across this surgery sub-I rotation are geared towards preparing graduating students to be better prepared for their duties as interns functioning under senior supervision. On-call duties will be assigned and are usually one to two nights per week. Students have the same duty hours as an R2 resident.

University of Colorado students have to complete a CAPE session where they have two Standardized Patient experiences. These are not graded. One has to do with informed consent and the other delivering bad news to a patient and their family. There are no papers or exam for this course.

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**SURG8001  Gen Surg DHMC Sub-I**  
Duration: 4 weeks  
Enrollment Min: 1  
Max: 3

**Coordinator:** Rhyan Passanante  
rhyan.passanante@dhha.org

**Course Director:** Ryan Lawless  
ryan.lawless@dhha.org

**Sub-I:** Yes  
**Approval Required:** Yes

**Semester Offered:** Summer; Fall; Spring

**Semester 2-Wk Offered:**

**Grading:** Honor/High Pass

**Course Format:** Clinical

**Location:** DHMC

**Sections Available:** Available in sections 1, 5, 9, 13, 17, 21, 25, 29, 33, 37 and 45.

**Prerequisites / Restrictions:** Course director approval required to add this course. A mentor will be required.

**Description:** 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.
SURG8002  Gen Surg St Joseph's Sub-I

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

Course Activities: Students are expected to complete 3 call shifts. Students will act like an intern on the team.

Coordinator: Laurie Cooper
Course Director: G. Edward Kimm
lauriejoanne.cooper@sclhs.net
g.edward.kimm@sclhs.net

Sub-I: Yes  Approval Required: No  Semester Offered: Summer;Fall;Spring
Grading: Honor/High Pass  Course Format: Clinical  Location: STJ
Sections Available: Available in all sections  Longitudinal Course: No  Accept Visiting Students: MD/ No  DO/  Int'l/

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

Course Activities: Students are expected to complete 3 call shifts. Students will act like an intern on the team.

SURG8008  Cardiothoracic Surg Sub I

Description: 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.

Course Activities: Students will attend rounds and conferences and will function like an intern on the team.

Coordinator: Linsey Kasper
Course Director: David Fullerton
linsey.kasper@ucdenver.edu
david.fullerton@ucdenver.edu

Sub-I: Yes  Approval Required: No  Semester Offered: Summer;Fall;Spring
Grading: Honor/High Pass  Course Format: Clinical  Location: UCH
Sections Available: Available in all sections  Longitudinal Course: No  Accept Visiting Students: MD/ Yes  DO/ No  Int'l/ Yes

Prerequisites / Restrictions:
Description: 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.

Course Activities: Students will attend rounds and conferences and will function like an intern on the team.

SURG8010  Burn Critical Care/Surg

Description: Acting sub-intern on the Burn Service, works with Burn and related Surgical Critical Care cases. High level of patient care responsibility, including bedside procedures, burn care, and line changes. Works with attending faculty to gain a multidisciplinary approach to burns.

Course Activities: Morning Rounds, Discharge Rounds, Burn Surgery Day, Multidisciplinary Rounds, Burn Clinic

Coordinator: Trina Smidt
Course Director: Anne Wagner
trina.smidt@ucdenver.edu
anne.wagner@ucdenver.edu

Sub-I: No  Approval Required: No  Semester Offered: Summer;Fall;Spring
Grading: Honor/High Pass  Course Format: Clinical  Location: UCH
Sections Available: Available in all sections  Longitudinal Course: No  Accept Visiting Students: MD/ Yes  DO/ No  Int'l/ Yes

Prerequisites / Restrictions:
Description: Acting sub-intern on the Burn Service, works with Burn and related Surgical Critical Care cases. High level of patient care responsibility, including bedside procedures, burn care, and line changes. Works with attending faculty to gain a multidisciplinary approach to burns.

Course Activities: Morning Rounds, Discharge Rounds, Burn Surgery Day, Multidisciplinary Rounds, Burn Clinic
SURG8011  Hand Surgery

Description:
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.

Course Activities:
The student will participate as a member of the plastic surgery team including rounding on inpatients, participating in the OR and observing patients in clinic.

Duration: 4 weeks
Coordinator: Mandy Whitton
mandy.whitton@ucdenver.edu
Course Director: Mickey Gordon
mickey.gordon@ucdenver.edu
Sub-I: No Approval Required: No
Semester Offered: Summer; Fall; Spring Semester 2-Wk Offered:
Grading: Honor/High Pass or Pass/Fail (<4 wks)
Sections Available: Available in all sections
Course Format: Clinical
Location: UCH
Longitudinal Course: No Accept Visiting Students: MD/Yes DO/Yes Int'l/ No
Prerequisites / Restrictions:
Description: 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.

Course Activities: The student will participate as a member of the plastic surgery team including rounding on inpatients, participating in the OR and observing patients in clinic.

SURG8012  Urology Sub-I

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

Course Activities:
Students will participate in clinic, minor clinic procedures (cystoscopy, prostate biopsy, vasectomy, botox injections, circumcision, etc), urologic inpatient and outpatient surgeries, hospital consults and rounding on inpatients. The duration of the course is 4 weeks and will be divided into two week blocks at UCH, CHCO, or DH. The blocks will be divided into one week with the residents and one week with an assigned attending. The resident week will allow students to become familiar with the day to day responsibilities of urology residents and allow you to familiarize yourself with the hospital system. The second week will be with an assigned attending physician and you will be expected to function as their intern on their service and participate in their clinic, urologic surgeries and round on all of their inpatients. All Urology Conferences are mandatory and you will be required to give a Grand Rounds presentation on a urology topic of your choice.

Duration: 4 weeks
Coordinator: Ashley Lane
ashley.2.lane@ucdenver.edu
Course Director: Ty Higuchi
ty.higuchi@ucdenver.edu
Sub-I: Yes Approval Required: Yes
Semester Offered: Summer; Fall; Semer 2-Wk Offered:
Grading: Honor/High Pass Course Format: Clinical
Sections Available: Available Sections 1-18 Location: UCH
Longitudinal Course: No Accept Visiting Students: MD/Yes DO/Yes Int'l/ No
Prerequisites / Restrictions:
All students must contact course director for permission to enroll.
Description: All students will rotate two weeks blocks at UCH, VA, CHCO, and DH. One week will be with the residents to familiarize yourself with the system and clinical practice. The second week you will be with an attending physician and will participate in clinic, the operating room and round on patients. All Urology Conferences are mandatory and you will be required

Course Activities:
Students will participate in clinic, minor clinic procedures (cystoscopy, prostate biopsy, vasectomy, botox injections, circumcision, etc), urologic inpatient and outpatient surgeries, hospital consults and rounding on inpatients. The duration of the course is 4 weeks and will be divided into two week blocks at UCH, CHCO, or DH. The blocks will be divided into one week with the residents and one week with an assigned attending. The resident week will allow students to become familiar with the day to day responsibilities of urology residents and allow you to familiarize yourself with the hospital system. The second week will be with an assigned attending physician and you will be expected to function as their intern on their service and participate in their clinic, urologic surgeries and round on all of their inpatients. All Urology Conferences are mandatory and you will be required to give a Grand Rounds presentation on a urology topic of your choice.

SURG8015  Pediatric Surgery

Description:
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.

Course Activities:
The student will join the Pediatric Surgery team (fellows, residents, midlevels); Participate in operating room, attending outpatient clinic, assist with evaluations in the Emergency Department and inpatient. Limited overnight call experience is available, but not mandatory.

Duration: 2 or 4 weeks
Coordinator: Melissa Gray
melissa.gray@childrenscolorado.org
Course Director: Jonathan Roach
jonathan.roach@childrenscolorado.org
Sub-I: No Approval Required: No
Semester Offered: Summer; Fall; Spring Semester 2-Wk Offered: All
Grading: Honor/High Pass or Pass/Fail (<4 wks)
Sections Available: Available in all sections
Course Format: Clinical
Location: CHCO
Longitudinal Course: No Accept Visiting Students: MD/No DO/No Int'l/ No
Prerequisites / Restrictions:
Description: 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.

Course Activities: The student will join the Pediatric Surgery team (fellows, residents, midlevels); Participate in operating room, attending outpatient clinic, assist with evaluations in the Emergency Department and inpatient. Limited overnight call experience is available, but not mandatory.

Revised: 10/26/2016
**SURG8019  Plastic Surgery**

*Description:* Students learn basic principles of wound healing, care, and management; management and reconstruction of maxillofacial trauma; head and neck cancer; congenital anomalies; tissue transplantation; breast reconstruction, cosmetic surgery; and management of post-surgical patients.

*Course Activities:* The student will participate as a member of the plastic surgery team including rounding on inpatients, participating in the OR and observing patients in clinic.

*Coordinator:* Mandy Whitton  
*Course Director:* Ashley Ignatiuk  
*Duration:* 4 weeks  
*Enrollment*  
*Min:* 1  
*Max:* 1

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**SURG8021  Surgical Critical Care Sub-I**

*Description:* 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 ill patients.

*Course Activities:* The student will assess each patient on the service, develop a plan, and present the patient on rounds. The student will implement the plan on follow up on the results. the student will participate in transplant operations.

*Coordinator:* Rhyan Passanante  
*Course Director:* Ryan Lawless  
*Duration:* 4 weeks  
*Enrollment*  
*Min:* 1  
*Max:* 2

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**SURG8030  Transplant Surgery**

*Description:* The medical student will round with the transplant team, such as: surgeons, nephrologists, and hepatologists. They will be exposed to all aspects of transplant care including preoperative work up, such as: donor surgery, transplant surgery and post-operative care.

*Course Activities:* The student will assess each patient on the service, develop a plan, and present the patient on rounds. The student will implement the plan on follow up on the results. the student will participate in transplant operations.

*Coordinator:* Bretlyn Davis  
*Course Director:* Kendra Conzen  
*Duration:* 4 weeks  
*Enrollment*  
*Min:* 1  
*Max:* 3

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Revised: 10/26/2016
**SURG8100  SURG Elective Away**  
**Duration:** 4 weeks  
**Enrollment Min:** 1  
**Max:** 99

**Coordinator:** Mary Kay Anderson  
**Course Director:** Thomas Whitehill  
**Contact:** mary.k.anderson@ucdenver.edu, thomas.whitehill@va.gov

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:**

**Description:** This elective will be held at a site in Colorado, another state, or internationally. International sites must be preapproved by Student Life, and there may be additional requirements for these. The student needs to send Approval for Course Work Away form to Dr. Thomas Whitehill, with a cc to Mary Kay Anderson, for approval which will then be sent to Student Life for final approval. This needs to be completed at least one month in advance.

**Course Activities:** Determined by the institution where the Away Course is being taken.

**SURG8600  Research in Surgery**  
**Duration:** 2, 4, 8 or 12 week  
**Enrollment Min:** 1  
**Max:** 99

**Coordinator:** Mary Kay Anderson  
**Course Director:** Thomas Whitehill  
**Contact:** mary.k.anderson@ucdenver.edu, thomas.whitehill@va.gov

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Description:** This Research Surgery elective will be held at a site in Colorado or another state. Students must obtain departmental approval one month prior to the start. A research mentor must be designated at the time of Departmental approval.

**Course Activities:** Determined by the student and the Principal Investigator they are working with.

**SURG8630  SURG Research Away**  
**Duration:** 2, 4, 8 or 12 week  
**Enrollment Min:** 1  
**Max:** 99

**Coordinator:** Mary Kay Anderson  
**Course Director:** Thomas Whitehill  
**Contact:** mary.k.anderson@ucdenver.edu, thomas.whitehill@va.gov

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All

**Description:** This research elective will be held at a site in Colorado, another state, or internationally. Individual arrangements must be completed, then the Application for Research Credit form is submitted to Thomas A. Whitehill, MD (cc: Mary Kay Anderson, Coordinator) for approval. Then the form is sent to Student Life for final approval. Arrangements must be completed at least one month in advance of start. Not available sections 49-50.

**Course Activities:** Determined by the student and the Principal Investigator they are working with.