



University of Colorado, School of Medicine

2016-2017 Academic Year

PHASE 4 ELECTIVES

Anesthesiology

ANES8000 Clinical Anesthesiology

Duration: 2 or 4 weeks

Coordinator: Krystle Wetherbee
krystle.wetherbee@ucdenver.edu

Course Director: Bryan Ahlgren
bryan.ahlgren@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered: All

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

Course Format: Clinical

Enrollment: Min: 1 Max: 4

Location: CHCO, DHMC

Prerequisites:

Additional Information:

Restrictions:

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**Duration:** 4 weeks**Coordinator:** Krystle Wetherbee
krystle.wetherbee@ucdenver.edu**Course Director:** Fareed Azam
fareedul.azam@ucdenver.edu

Sub-I:	Yes	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available in all sections
Approval Required:	No	Semester 2-Week Offered:	
Grading:	Honor/High Pass	Course Format:	Clinical
Enrollment:	Min: 1 Max: 3	Location:	UCH
Prerequisites:	Contact Dr. Azam via email Friday prior to starting (fareedul.azam@ucdenver.edu) for orientation information.	Additional Information:	Most of our clerkship communication is done via email. It is the students' responsibility to check email daily for updates. Students responsibility to coordinate orientation, mid point feedback, QI, communications project and exit interview with Dr. Azam

Restrictions:

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****Duration:** 2 or 4 weeks**Coordinator:** Krystle Wetherbee
krystle.wetherbee@ucdenver.edu**Course Director:** Bryan Ahlgren
bryan.ahlgren@ucdenver.edu

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available in all sections
Approval Required:	No	Semester 2-Week Offered:	All
Grading:	Honor/High Pass or Pass/Fail (<4 wks)	Course Format:	Clinical
Enrollment:	Min: 1 Max: 4	Location:	
Prerequisites:		Additional Information:	
Restrictions:			

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.

ANES8100 ANES Elective Away**Duration:** 2 or 4 weeks**Coordinator:** Krystle Wetherbee
krystle.wetherbee@ucdenver.edu**Course Director:** Bryan Ahlgren
bryan.ahlgren@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 0 Max: 99
 Prerequisites:
 Restrictions:

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Away
 Location: Away
 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**ANES8600 Research Anesthesiology****Duration:** 2, 4, 8 weeks**Coordinator:** Krystle Wetherbee
krystle.wetherbee@ucdenver.edu**Course Director:** Paul Wischmeyer
paul.wischmeyer@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 0 Max: 99
 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.
 Restrictions:

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location:
 Additional Information:

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.

ANES8630 ANES Research Away

Duration: 2, 4, 8 weeks

Coordinator: Krystle Wetherbee
krystle.wetherbee@ucdenver.edu

Course Director: Paul Wischmeyer
paul.wischmeyer@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 0 Max: 99

Location: Away

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:

Restrictions:

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.

Dermatology

DERM8000 Dermatology Clinical Elective

Duration: 2 weeks

Coordinator: Amina Hashem
amina.hashem@ucdenver.edu

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

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Clinical

Enrollment: Min: 1 Max: 2

Location:

Prerequisites:

Additional Information:

Restrictions: Two week rotations only

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 spend 2 week rotation a majority of time at the VA hospital for active involvement in clinics and learn to perform common dermatologic procedures. They will have a more in depth exposure to other areas of dermatology including dermatopathology, pediatric dermatology, and Mohs surgery. Students will give a power point presentation on a topic of their choice and two homework assignments per week.

DERM8001 Dermatology Clerkship

Duration: 4 weeks

Coordinator: Amina Hashem
amina.hashem@ucdenver.edu

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

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered:

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 1 Max: 4

Location:

Prerequisites:

Additional Information:

Restrictions: 4 week rotations only

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.

DERM8300 DERM Elective Away**Duration:** 2 or 4 weeks**Coordinator:** Amina Hashem
amina.hashem@ucdenver.edu**Course Director:** Cory Dunnick
cory.dunnick@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 0 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.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Away
 Location: Away
 Additional Information:

Restrictions:

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**DERM8600 Research in Dermatology****Duration:** 2, 4, 8 or 12 weeks**Coordinator:** Amina Hashem
amina.hashem@ucdenver.edu**Course Director:** Cory Dunnick
cory.dunnick@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 0 Max: 99
 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.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location:
 Additional Information:

Restrictions:

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.

DERM8630 DERM Research Away

Duration: 2, 4, 8 weeks

Coordinator: Amina Hashem
amina.hashem@ucdenver.edu

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

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 1 Max: 99

Location: Away

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:

Restrictions:

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.

Emergency Medicine

EMED8004 Emergency Med Univ Hosp

Duration: 2 or 4 weeks

Coordinator: Marybeth Hutchins
marybeth.hutchins@ucdenver.edu

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

Sub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass or Pass/Fail (<4 wks)
Enrollment: Min: 0 Max: 4
Prerequisites:
Restrictions:

Semester Offered: Spring
Sections Available: Available Sections 33-48
Semester 2-Week Offered: Spring
Course Format: Clinical
Location: UCH
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

Coordinator: Marie Bluit
marie.bluit@dhha.org

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

Sub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 1 Max: 4
Prerequisites:
Restrictions:

Semester Offered: Spring
Sections Available: Available Sections 33-50
Semester 2-Week Offered:
Course Format: Clinical
Location: DHMC
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**Coordinator:** Marie Bluitt
marie.bluitt@dhha.org**Course Director:** Bonnie Kaplan
bonnie.kaplan@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Honor/High Pass
 Enrollment: Min: 1 Max: 14
 Prerequisites:
 Restrictions: Emergency Medicine Career track students until Section 21.

Semester Offered: Summer;Fall;
 Sections Available: Available Sections 1-32
 Semester 2-Week Offered:
 Course Format: Clinical
 Location:
 Additional Information:

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.**EMED8007 Crit Care & Procedures****Duration:** 2 weeks**Coordinator:** Helen Gurnee
helen.gurnee@ucdenver.edu**Course Director:** Matt Rustici
matthew.rustici@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Pass/Fail
 Enrollment: Min: 10 Max: 30
 Prerequisites:
 Restrictions:

Semester Offered: Spring
 Sections Available: Available Section 47 only
 Semester 2-Week Offered: Spring
 Course Format: Didactic
 Location: SOM
 Additional Information:

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.

EMED8017 PEDS Emergency DHMC**Duration:** 2 or 4 weeks**Coordinator:** Marie Bluit marie.bluit@dhha.org**Course Director:** David Richards david.richards@dhha.org

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Honor/High Pass or Pass/Fail (<4 wks)
 Enrollment: Min: 1 Max: 2
 Prerequisites: Department approval must be obtained and then approval by the Associate Dean for Student Affairs.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Clinical
 Location:
 Additional Information: Experience at Denver Health Medical Center. See PEDS 8025 for experience at Children's Hospital Colorado.

Restrictions:

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.**EMED8024 Clinical Toxicology****Duration:** 4 weeks**Coordinator:** Darlene Vigil darlene.vigil@rmpdc.org**Course Director:** Chris Hoyte christopher.hoyte@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 2
 Prerequisites:

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered:
 Course Format: Clinical
 Location:
 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.

Restrictions:

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.

EMED8030 Rural Emergency Medicine**Duration:** 2 or 4 weeks**Coordinator:** Marybeth Hutchins
marybeth.hutchins@ucdenver.edu**Course Director:** Jeffrey Druck
jeffrey.druck@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 0 Max: 10
 Prerequisites: Department approval must be obtained and then approval by the Associate Dean for Student Affairs.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Clinical
 Location: Away

Restrictions:

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** Clinical practice in a rural EM setting**Activities:****EMED8031 Wilderness Medicine****Duration:** 2 weeks**Coordinator:** Cathy Maciel
cathy.maciel@ucdenver.edu**Course Director:** Barbara Blok
barbara.blok@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Pass/Fail
 Enrollment: Min: 15 Max: 26
 Prerequisites: but Intro to Wilderness Medicine (EMED 6624) suggested.

Semester Offered: Spring
 Sections Available: Available Section 47 only
 Semester 2-Week Offered: Spring
 Course Format: Clinical
 Location:

Restrictions: Additional fee required.

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

EMED8100 EMED Elective Away**Duration:** 2 or 4 weeks**Coordinator:** Marybeth Hutchins
marybeth.hutchins@ucdenver.edu**Course Director:** Jeffrey Druck
jeffrey.druck@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Pass/Fail
 Enrollment: Min: 0 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.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location: Away
 Additional Information:

Restrictions:

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.**EMED8600 Research in EMED****Duration:** 2, 4, 8 or 12 weeks**Coordinator:** Meggan Schmidt
meggan.schmidt@dhha.org**Course Director:** Jason Haukoos
jason.haukoos@dhha.org

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 4
 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.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location:
 Additional Information:

Restrictions:

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.

EMED8630 EMED Research Away

Duration: 2, 4, 8 weeks

Coordinator: Marybeth Hutchins
marybeth.hutchins@ucdenver.edu

Course Director: Jeffrey Druck
jeffrey.druck@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 1 Max: 150

Location: Away

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:

Restrictions:

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.

Family Medicine

FMMD8002 Fam Med Univ Hosp Sub-I

Duration: 4 weeks

Coordinator: Lisa Martinez
lisa.p.martinez@ucdenver.edu

Course Director: Kathryn Boyd-Trull
kathryn.boyd-trull@ucdenver.edu

Sub-I: Yes
Longitudinal Course: No
Approval Required: Yes
Grading: Honor/High Pass
Enrollment: Min: 1 Max: 1
Prerequisites:
Restrictions:

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered:
Course Format: Clinical
Location: UCH
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 that at the level of an acting intern.

FMMD8007 Out-Patient Family Med

Duration: 4 weeks

Coordinator: Lisa Martinez
lisa.p.martinez@ucdenver.edu

Course Director: Caroline LeClair
caroline.leclair@ucdenver.edu

Sub-I: No
Longitudinal Course: No
Approval Required: Yes
Grading: Honor/High Pass
Enrollment: Min: 1 Max: 1
Prerequisites:
Restrictions:

Semester Offered: Fall;Spring
Sections Available: Available Sections 17-52
Semester 2-Week Offered:
Course Format: Clinical
Location:
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**Duration:** 2 or 4 weeks**Coordinator:** Steven Cruse
steven.cruse@ucdenver.edu**Course Director:** Julie Paranka
julie.paranka@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 99
 Prerequisites: Course director approval required to add this elective as it depends on occupational physician availability.
 Restrictions:

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Clinical
 Location:
 Additional Information:

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****Duration:** 2 weeks**Coordinator:** Melanie DeHerrera
melanie.deherrera@ucdenver.edu**Course Director:** Mark Deutchman
mark.deutchman@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 4
 Prerequisites:
 Restrictions: This elective offered only at selected times. Contact Dr. Deutchman to schedule.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Clinical
 Location: SOM
 Additional Information: Students work at University School of Dental Medicine

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**Duration:** 2 weeks**Coordinator:** Steven Cruse
steven.cruse@ucdenver.edu**Course Director:** Scott Hammond
rsh.wmc@gmail.com

Sub-I:	No	Semester Offered:	Spring
Longitudinal Course:	No	Sections Available:	Available Section 39-40 only
Approval Required:	Yes	Semester 2-Week Offered:	Spring
Grading:	Pass/Fail	Course Format:	Clinical
Enrollment:	Min: 5 Max: 20	Location:	
Prerequisites:	Prior approval by the Course Director and coordinator needed	Additional Information:	
Restrictions:			

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**Duration:** 4 weeks**Coordinator:** Steven Cruse
steven.cruse@ucdenver.edu**Course Director:** Julie Paranka
julie.paranka@ucdenver.edu

Sub-I:	Yes	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available in all sections
Approval Required:	Yes	Semester 2-Week Offered:	
Grading:	Honor/High Pass	Course Format:	Clinical
Enrollment:	Min: 1 Max: 9	Location:	Away
Prerequisites:		Additional Information:	
Restrictions:	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**Duration:** 2 or 4 weeks**Coordinator:** Steven Cruse
steven.cruse@ucdenver.edu**Course Director:** Julie Paranka
julie.paranka@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 99
 Prerequisites: Department approval must be obtained, then approval by the Assistant Dean for Student Life. Arrangements must be completed at least one month in advance of start. Site training agreement must be in place.
 Restrictions: Must work with a family physician. Students must have learning objectives approved by course director.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format:
 Location: Away
 Additional Information:

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**Duration:** 4, 8 or 12 weeks**Coordinator:** Steven Cruse
steven.cruse@ucdenver.edu**Course Director:** Julie Paranka
julie.paranka@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 99
 Prerequisites: Department approval must be obtained, then approval by the Assistant Dean for Student life. Arrangements must be completed at least one month in advance of start.
 Restrictions: May not register for final 6 weeks of academic year. Supervising physician MUST be a family physician.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered:
 Course Format:
 Location: Away
 Additional Information:

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.

FMMD8411 Foreign Language Immersion

Duration: 4 or 8 weeks

Coordinator: Steven Cruse
steven.cruse@ucdenver.edu

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

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available in all sections
Approval Required:	Yes	Semester 2-Week Offered:	
Grading:	Pass/Fail	Course Format:	Didactic
Enrollment:	Min: 1 Max: 99	Location:	Away
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.		
Restrictions:	May not register for final 6 weeks of academic year. Not available for honors grading.		

Description: Must attend an accredited Foreign Language program. 80 hours of language study AND 20 hours of medical foreign language or 32 hours (8 half-days) of clinical required. Successful International Experiences sessions are required. Arrangements and registration with "Studio Abroad" must be complete 60 days prior to departure.

Course Activities: Students will immerse themselves in language skills and language use based on their current knowledge with a focus on clinical language and cultural sensitivity towards the populace.

FMMD8600 Research in FM

Duration: 2, 4, 8 or 12 weeks

Coordinator: Steven Cruse
steven.cruse@ucdenver.edu

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

Sub-I: No
Longitudinal Course: No
Approval Required: Yes
Grading: Pass/Fail
Enrollment: Min: 1 Max: 99
Prerequisites: Course director approval is required to add this course. Personal goals and objectives related to the area of scholarship must be approved by the course director.
Restrictions: Must be supervised by a family physician or Department of Family Medicine faculty approved by the Course Director. (No Exceptions) Must have scholarly goals and objectives approved by the course director as well.

Semester Offered: Summer; Fall; Spring
Sections Available: Available in all sections
Semester 2-Week Offered: All
Course Format: Research/Scholarly Activity
Location:
Additional Information:

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 varies with the type of scholarly work proposed. Activities mirror personal goals and objectives approved by the course director.

Interdepartmental

IDPT8000 Foundations Doctoring IV

Duration: 1 week for Summer semester

Coordinator: Tina Roquemore
tina.roquemore@ucdenver.edu

Course Director: Kristin Furfari
kristin.furfari@ucdenver.edu

Sub-I: No
Longitudinal Course: Yes
Approval Required: No

Semester Offered: Summer;Fall;Spring
Sections Available: Longitudinal Course
Semester 2-Week Offered:

Grading: Pass/Fail
Enrollment: Min: 1 Max: 99

Course Format: Clinical

Location:

Prerequisites:

Additional Information:

Restrictions: After registering please e-mail Tina.Roquemore@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 s

Coordinator: Tina Roquemore
tina.roquemore@ucdenver.edu

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

Sub-I: No
Longitudinal Course: Yes
Approval Required: No

Semester Offered: Fall;Spring
Sections Available: Longitudinal Course
Semester 2-Week Offered:

Grading: Pass/Fail
Enrollment: Min: 1 Max: 99

Course Format: Didactic

Location:

Prerequisites:

Additional Information:

Restrictions: After registering please e-mail Tina.Roquemore@ucdenver.edu. For graduation requirements this course counts as one week each for fall and spring semesters.

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

Coordinator: Andrea Chisel
andrea.chisel@ucdenver.edu

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

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered:

Grading: Pass/Fail

Course Format: Clinical

Enrollment: Min: 1 Max: 2

Location: UCH, VA

Prerequisites:

Additional Information:

Restrictions:

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: 4 weeks

Coordinator: Danaa Kennedy
danaa.kennedy@ucdenver.edu

Course Director: Kristin Jensen
kristin.jensen@ucdenver.edu

Sub-I:	No	Semester Offered:	Summer;
Longitudinal Course:	No	Sections Available:	Available Sections 1-16
Approval Required:	Yes	Semester 2-Week Offered:	
Grading:	Pass/Fail	Course Format:	Clinical
Enrollment:	Min: 1 Max: 1	Location:	UCH, CHCO, DHMC, National Jewish Hospital, High Street Clinic
Prerequisites:	Course director approval required to add this course. 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
Restrictions:			

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**Coordinator:** Laura Primak
laura.primak@ucdenver.edu**Course Director:** Nancy Krebs
nancy.krebs@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Clinical

Enrollment: Min: 1 Max: 1

Location: Kaiser in Denver, WIC

Prerequisites:

Additional Information:

Restrictions: Contact laura.primak@ucdenver.edu at least 4 weeks prior to start date with interests in nutrition.**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**Coordinator:** Meleah Hember
meleah.hember@ucdenver.edu**Course Director:** Jennifer Bellows
jwbellows@gmail.com

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

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

Approval Required: Yes

Semester 2-Week Offered:

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 0 Max: 99

Location:

Prerequisites: Course director approval required to add this course.

Additional Information:

Restrictions: Section 45 is the last 4 week block to register for this course.

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**Coordinator:** Meleah Himber
meleah.himber@ucdenver.edu**Course Director:** Jennifer Bellows
jwbellows@gmail.comSub-I: No
Longitudinal Course: NoSemester Offered: Summer;Fall;Spring
Sections Available: Section 45 is the last 4 week block to register for this course.

Approval Required: Yes

Semester 2-Week Offered:

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 0 Max: 99

Location:

Prerequisites: Course director approval required to add this course.

Additional Information:

Restrictions: Section 45 is the last 4 week block to register for this course.

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**Coordinator:** Steven Cruse
steven.cruse@ucdenver.edu**Course Director:** Wendy Madigosky
wendy.madigosky@ucdenver.eduSub-I: No
Longitudinal Course: YesSemester Offered: Fall;Spring
Sections Available: Longitudinal Course

Approval Required: Yes

Semester 2-Week Offered:

Grading: Pass/Fail

Course Format: Didactic

Enrollment: Min: 5 Max: 30

Location:

Prerequisites: Course coordinator approval required to add this course.

Additional Information: This is a longitudinal course and students must register for both fall and spring semesters in order to receive credit. This is a two-semester course offered fall and spring semesters. For graduation requirements, each semester counts one week.

Restrictions:

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 17, 2015 OR May 19, 2016.

IDPT8018 Global Health & Disaster**Duration:** 2 weeks**Coordinator:** Michelle Shiver
michelle.shiver@ucdenver.edu**Course Director:** Stephen Berman
stephen.berman@childrenscolorado.org

Sub-I:	No	Semester Offered:	Fall;
Longitudinal Course:	No	Sections Available:	Available Section 23-24 only
Approval Required:	No	Semester 2-Week Offered:	Fall;
Grading:	Pass/Fail	Course Format:	Didactic
Enrollment:	Min: 5 Max: 35	Location:	SOM
Prerequisites:		Additional Information:	
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: As you can see via the attached agenda for 2015 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.

IDPT8019 Team-based Clinical Care**Duration:** 1 week per semester**Coordinator:****Course Director:** Emily Gottenborg
emily.gottenborg@ucdenver.edu

Sub-I:	No	Semester Offered:	Fall;Spring
Longitudinal Course:	Yes	Sections Available:	Longitudinal Course
Approval Required:	No	Semester 2-Week Offered:	
Grading:	Pass/Fail	Course Format:	Clinical
Enrollment:	Min: 1 Max: 99	Location:	UCH
Prerequisites:		Additional Information:	For graduation requirements, each semester counts as one week.
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 Three activities as described below:

Activities:

- 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

Duration: 1 week per semester

Coordinator:

Course Director: Terri Blevins
terri.blevins@ucdenver.edu

Sub-I:	No	Semester Offered:	Fall;Spring
Longitudinal Course:	Yes	Sections Available:	Longitudinal Course
Approval Required:	No	Semester 2-Week Offered:	
Grading:	Pass/Fail	Course Format:	Didactic
Enrollment:	Min: 16 Max: 32	Location:	SOM
Prerequisites:	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

Restrictions:

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

IDPT8021 Costa Rica Spanish Immersion

Duration: 4 weeks

Coordinator: Rory Foster
rfoster@commongroundinternational.com

Course Director: Steven Lowenstein
steven.lowenstein@ucdenver.edu

Sub-I: No

Semester Offered: Spring

Longitudinal Course: No

Sections Available: Available Sections 37-40 only

Approval Required: No

Semester 2-Week Offered:

Grading: Pass/Fail

Course Format: Away

Enrollment: Min: 1 Max: 10

Location: Away

Prerequisites: 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:

Restrictions: The estimated charge (by Common Ground International) is \$3,250 for 3 week blocks and \$4,085 for 4-week blocks, which includes: travel medical insurance; home stay lodging and two meals per day; language classes and class materials; a comprehensive Medica

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.

IDPT8022 Clinical Medical Spanish**Duration:** 4 weeks**Coordinator:** Rory Foster
rfoster@commongroundinternational.com**Course Director:** Lindsey Fish

Sub-I:	No	Semester Offered:	Fall;
Longitudinal Course:	No	Sections Available:	Available Section 21 only
Approval Required:	No	Semester 2-Week Offered:	
Grading:	Pass/Fail	Course Format:	Clinical
Enrollment:	Min: 4 Max: 14	Location:	
Prerequisites:	2 years of classroom Spanish language instruction (i.e. 2 semesters of college level Spanish), basic Spanish language conversation ability, some knowledge of Medical Spanish. Evaluation by Spanish language instructor prior to registration required.		
Restrictions:	Course fee: \$450 plus textbooks.		

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**Duration:** 2 or 4 weeks**Coordinator:****Course Director:** Jamal Moloo
jamal.moloo@ucdenver.edu

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	
Approval Required:		Semester 2-Week Offered:	All
Grading:	Pass/Fail	Course Format:	Clinical
Enrollment:	Min: 1 Max: 1	Location:	
Prerequisites:			
Restrictions:	Course director approval required to add this elective as it depends on availability.		

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

IDPT8025 Ultrasound-EM-DHHA**Duration:** 2 weeks**Coordinator:****Course Director:** John Kendalljohn.kendall@dhha.org

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available only in sections 1, 3, 7, 11, 15, 19, 27, 35, 43

Approval Required: No

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Clinical

Enrollment: Min: 1 Max: 4

Location: DHMC

Prerequisites:

Additional Information:

Restrictions:

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 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.

IDPT8025 Ultrasound-EM-DHHA**Duration:** 2 weeks**Coordinator:****Course Director:** John Kendalljohn.kendall@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available only in sections 1, 3, 7, 11, 15, 19, 27, 35, 43

Approval Required: No

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Clinical

Enrollment: Min: 1 Max: 4

Location: DHMC

Prerequisites:

Additional Information:

Restrictions:

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 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.

IDPT8030 Laboratory Medicine**Duration:** 4 weeks**Coordinator:** Gretchen Haroldson
gretchen.haroldson@ucdenver.edu**Course Director:** Mary Berg
mary.berg@ucdenver.edu

Sub-I: No

Semester Offered: Fall;

Longitudinal Course: No

Sections Available: Available Sections 17-32 Only

Approval Required: No

Semester 2-Week Offered:

Grading: Pass/Fail

Course Format: Didactic

Enrollment: Min: 1 Max: 50

Location: SOM

Prerequisites:

Additional Information:

Restrictions:

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.**IDPT8040 Physician as Healthcare Improver****Duration:** 1 week per semester**Coordinator:** Tina Roquemore
tina.roquemore@ucdenver.edu**Course Director:** Wendy Madigosky
wendy.madigosky@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: Yes

Sections Available: Longitudinal Course

Approval Required: Yes

Semester 2-Week Offered:

Grading: Pass/Fail

Course Format: Didactic

Enrollment: Min: 1 Max: 99

Location:

Prerequisites:

Additional Information:

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

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.

IDPT8041 Quality Improvement Practicum**Duration:** 2 weeks per semester**Coordinator:****Course Director:** Hemali Patelhemali.patel@ucdenver.edu

Sub-I: No

Semester Offered: Fall;Spring

Longitudinal Course: Yes

Sections Available: Longitudinal Course

Approval Required: No

Semester 2-Week Offered:

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 0 Max: 3

Location: UCH

Prerequisites: None

Additional Information: This course enables students to obtain knowledge and skills for quality improvement (QI), valued by both GME and CME, and fosters interprofessional communication.

Restrictions:

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.ihl.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**Duration:** 4 weeks**Coordinator:** Meleah Himber
meleah.himber@ucdenver.edu**Course Director:** Allan Prochazka
allan.prochazka@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

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

Approval Required: Yes

Semester 2-Week Offered:

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 1 Max: 99

Location:

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

Additional Information:

Restrictions: 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** Students work intensively with mentors on their chosen MSA Project.**Activities:** 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****Duration:** 4 weeks**Coordinator:** Meleah Himber
meleah.himber@ucdenver.edu**Course Director:** Allan Prochazka
allan.prochazka@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

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

Approval Required: Yes

Semester 2-Week Offered:

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 1 Max: 99

Location:

Prerequisites: 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.

Additional Information:

Restrictions: Section 45 is the last 4 week block to register for this course.

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** Students work intensively with mentors on their chosen MSA Project.**Activities:** 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**Duration:** 4 weeks**Coordinator:** Meleah Himber
meleah.himber@ucdenver.edu**Course Director:** Randy Ross
randy.ross@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Honor/High Pass
 Enrollment: Min: 1 Max: 99
 Prerequisites:
 Restrictions: Limited to and required for Phase IV (MS4) medical students who are in good standing in the Research Track.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered:
 Course Format: Research/Scholarly Activity
 Location: SOM
 Additional Information:

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** Continue to work on completing scientific project.
Activities:**IDPT8602 Research Track, Rsrch II****Duration:** 4 weeks**Coordinator:** Meleah Himber
meleah.himber@ucdenver.edu**Course Director:** Randy Ross
randy.ross@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Honor/High Pass
 Enrollment: Min: 1 Max: 99
 Prerequisites: IDPT8601, Research Track, Rsrch I
 Restrictions: Limited to and required for Phase IV (MS4) medical students who are in good standing in the Research Track. May be repeated once as an elective.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered:
 Course Format: Research/Scholarly Activity
 Location: SOM
 Additional Information:

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

Medicine

MEDS8001 Medicine Sub-I

Duration: 4 weeks

Coordinator: Angie Duet
angie.duet@ucdenver.edu

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

Sub-I: Yes

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered:

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 1 Max: 18

Location: UCH, DHMC, St. Joes, VA

Prerequisites:

Additional Information:

Restrictions:

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. More specifically, the sub-internship is designed to help students achieve the following important competencies

MEDS8002 Hospital Medicine Sub-I**Duration:** 4 weeks**Coordinator:** Emilie Keeton
emilie.keeton@ucdenver.edu**Course Director:** Chris King
christopher.king@ucdenver.eduSub-I: Yes
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 0 Max: 2
Prerequisites:Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered:
Course Format: Clinical
Location: UCH
Additional Information: In addition to advancing the knowledge, skills & attitudes covered in the hospitalized adult care block this course focuses on teaching high value care concepts. Students will be responsible for caring for up to 8 patients at a time on an inpatient medic

Restrictions:

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 also have 2 didactics, one exploring value in healthcare and another discussing transitions of care between care settings. The students will also complete a project to analyze the value of the care they provide, specifically to identify waste within their lab ordering practices and they will create a plan to improve the value of the care they provide their patients. They will then reassess their progress in the last week. Students will also be responsible for standard Sub-Internship requirements: an advanced communication project, and a quality improvement project that is tied in with their value project noted above.**MEDS8004 Cardiology****Duration:** 2 or 4 weeks**Coordinator:** Ashley Hurley
ashley.hurley@ucdenver.edu**Course Director:** Peter Buttrick
peter.buttrick@ucdenver.eduSub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass or Pass/Fail (<4 wks)
Enrollment: Min: 1 Max: 3
Prerequisites:
Restrictions:Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections for 4 week; available Spring semester for 2 week.
Semester 2-Week Offered: All
Course Format: Clinical
Location: UCH
Additional Information:**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**Duration:** 2 weeks**Coordinator:** Sarah Flores
sarah.flores@sclhs.net**Course Director:** David Flitter
davidflitter@comcast.net

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Not Available Section 1-2
Approval Required:	No	Semester 2-Week Offered:	All
Grading:	Pass/Fail	Course Format:	Didactic
Enrollment:	Min: 1 Max: 7	Location:	STJ
Prerequisites:		Additional Information:	
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****Duration:** 2 or 4 weeks**Coordinator:** Jeanne Kittle
jeanne.kittle@ucdenver.edu**Course Director:** Jenny Stitt

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	
Approval Required:	Yes	Semester 2-Week Offered:	All
Grading:	Honor/High Pass or Pass/Fail (<4 wks)	Course Format:	Clinical
Enrollment:	Min: 1 Max: 1	Location:	UCH
Prerequisites:		Additional Information:	
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**Duration:** 2 or 4 weeks**Coordinator:** Kendra Burghardt
kendra.burghardt@ucdenver.edu**Course Director:** James Cooper
james.cooper@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Honor/High Pass or Pass/Fail (<4 wks)
 Enrollment: Min: 1 Max: 3
 Prerequisites:

Semester Offered: Summer;Fall;Spring
 Sections Available: Not available Sections 9 and 11
 Semester 2-Week Offered: All
 Course Format: Clinical
 Location:
 Additional Information: Students do clinic at the VA 2 days per week, and an inpatient consult service at either DH or University. Expected presence Monday through Friday from approximately 8-5pm. No weekends; no call.

Restrictions:

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

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

MEDS8009 Clin Infectious Diseases**Duration:** 2 or 4 weeks**Coordinator:** Hannah Daniels
hannah.daniels@ucdenver.edu**Course Director:** J. David Beckham
david.beckham@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Honor/High Pass or Pass/Fail (<4 wks)
 Enrollment: Min: 1 Max: 4
 Prerequisites:

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Clinical
 Location: UCH
 Additional Information: Assigned to either UCH, VA, or DH.

Restrictions: 2 week rotations offered anytime per Course Director

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**Duration:** 2 or 4 weeks**Coordinator:** Kia Silverman
kia.silverman@ucdenver.edu**Course Director:** Joel Levine
joel.levine@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Honor/High Pass or Pass/Fail (<4 wks)
 Enrollment: Min: 1 Max: 2
 Prerequisites:
 Restrictions:

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Clinical
 Location: UCH, DH, VA
 Additional Information: Students rotate at UCH, VA, and DH

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: Students will work on the inpatient service, outpatient clinic, and attend conferences. Students will work 5 days/week, no call or nights. Outpatient clinics are scheduled weekly as follows: 2 DHMC, 1 UCH, 1 VA.

MEDS8011 Pulmonary**Duration:** 4 weeks**Coordinator:** Jessica Preble
jessica.preble@ucdenver.edu**Course Director:** Joseph Crossno
joseph.crossno@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Honor/High Pass
 Enrollment: Min: 1 Max: 2
 Prerequisites:

Semester Offered: Summer;Fall;Spring
 Sections Available:
 Semester 2-Week Offered:
 Course Format: Clinical
 Location: UCH
 Additional Information: 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

Restrictions:

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 sub-specialist's realm.

MEDS8012 Clinical Rheumatology

Duration: 4 weeks

Coordinator: Shirley Hanson
shirley.hanson@ucdenver.edu

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

Sub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 1 Max: 1
Prerequisites:
Restrictions:

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered:
Course Format: Clinical
Location: UCH
Additional Information: Course offered at UCH, VA, and DH

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.

MEDS8013 Endocrinology

Duration: 2 or 4 weeks

Coordinator: Holly Heilman
holly.heilman@ucdenver.edu

Course Director: Cecilia Low Wang
cecilia.lowwang@ucdenver.edu

Sub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass or Pass/Fail (<4 wks)
Enrollment: Min: 1 Max: 2
Prerequisites:

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered: All
Course Format: Clinical
Location: VA
Additional Information: Students with recent VA experience with up-to-date VA badge AND VA computer access and codes are encouraged to let the course director know so that they can have a VA experience during rotation. Otherwise, 2 wk rotations are different than 4 wk rotations.

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.

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.

MEDS8014 Hematology / Oncology**Duration:** 2 or 4 weeks**Coordinator:** Theresa Martinez
theresa.martinez@ucdenver.edu**Course Director:** Paul Seligman
paul.seligman@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered: Spring

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

Course Format: Clinical

Enrollment: Min: 1 Max: 1

Location: UCH

Prerequisites:

Additional Information:

Restrictions:

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**Duration:** 2 or 4 weeks**Coordinator:** Jeanie Youngwerth
jean.youngwerth@ucdenver.edu**Course Director:** Jeanie Youngwerth
jean.youngwerth@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered: All

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

Course Format: Clinical

Enrollment: Min: 1 Max: 1

Location: UCH

Prerequisites: 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.

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

Restrictions: Please contact Dr. Youngwerth via email if you drop the course.

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.

MEDS8023 Medicine Consult**Duration:** 2 or 4 weeks**Coordinator:****Course Director:** Mary Andersonmary.anderson@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Not Available Sections 41-42 & 51-52

Approval Required: No

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Clinical

Enrollment: Min: 1 Max: 2

Location: UCH

Prerequisites:

Additional Information:

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**Duration:** 4 weeks**Coordinator:****Course Director:** Elaine Lamelaine.lam@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered:

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 1 Max: 1

Location: UCH

Prerequisites:

Additional Information:

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.

MEDS8029 Applied Clin Pharmacolog**Duration:** 4 weeks**Coordinator:** Breanna Symmes
breanna.symmes@ucdenver.edu**Course Director:** Wenbo Zhou
wenbo.zhou@ucdenver.eduSub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 20 Max: 50
Prerequisites:
Restrictions:Semester Offered: Spring
Sections Available: Available Sections 37-40
Semester 2-Week Offered:
Course Format: Didactic
Location: SOM
Additional Information:**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.**MEDS8032 Corrections Health Care****Duration:** 2 weeks**Coordinator:****Course Director:** Peter Crum
peter.crum@dhha.orgSub-I: No
Longitudinal Course: No
Approval Required: Yes
Grading: Honor/High Pass or Pass/Fail (<4 wks)
Enrollment: Min: 1 Max: 1
Prerequisites:
Restrictions:Semester Offered: Summer;Fall;Spring
Sections Available:
Semester 2-Week Offered: All
Course Format: Clinical
Location: Denver Detention Facility
Additional Information:**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).

MEDS8034 Critical Care St Joseph's Sub-I**Duration:** 4 weeks**Coordinator:** Sarah Flores
sarah.flores@sclhs.net**Course Director:** Lisa Cyran
elizabeth.cyran@sclhs

Sub-I: Yes
 Longitudinal Course: No
 Approval Required: No
 Grading: Honor/High Pass
 Enrollment: Min: 1 Max: 3
 Prerequisites:
 Restrictions: Maximum enrollment of 2-3 students, depending on Section #; (3 spots are generally available May thru September).

Semester Offered: Summer;Fall;Spring
 Sections Available:
 Semester 2-Week Offered:
 Course Format: Clinical
 Location: STJ
 Additional Information:

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**Duration:** 4 weeks**Coordinator:** Michelle Kerklo
michelle.kerklo@ucdenver.edu**Course Director:** Ellen Burnham
ellen.burnham@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Honor/High Pass
 Enrollment: Min: 1 Max: 2
 Prerequisites: Sub I in Medicine or Surgery.
 Restrictions:

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered:
 Course Format: Clinical
 Location: UCH
 Additional Information:

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.

MEDS8038 CAM Wellness**Duration:** 2 or 4 weeks**Coordinator:****Course Director:** Lisa Corbinlisa.corbin@ucdenver.edu

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available in all sections
Approval Required:	Yes	Semester 2-Week Offered:	All
Grading:	Pass/Fail	Course Format:	Didactic
Enrollment:	Min: 1 Max: 2	Location:	
Prerequisites:	Course director approval required to add this course.	Additional Information:	
Restrictions:			

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 TWO WEEK elective (FOUR WEEK in parenthesis):

- Activities:**
- 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

MEDS8039 AIDS & American Culture**Duration:** 2 weeks**Coordinator:** Amanda McGuiganamanda.mcguigan@ucdenver.edu**Course Director:** Therese Jonestherese.jones@ucdenver.edu

Sub-I:	No	Semester Offered:	Spring
Longitudinal Course:	No	Sections Available:	Available Section 49-50
Approval Required:	Yes	Semester 2-Week Offered:	Spring
Grading:	Pass/Fail	Course Format:	Didactic
Enrollment:	Min: 6 Max: 30	Location:	SOM
Prerequisites:		Additional Information:	
Restrictions:	Offered Section 49 only.		

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 Attend and participate in discussion of assigned materials.

- Activities:**
- 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.

MEDS8040 Film and Mental Illness**Duration:** 2 weeks**Coordinator:** Amanda McGuigan
amanda.mcguigan@ucdenver.edu**Course Director:** Therese Jones
therese.jones@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 6 Max: 40
 Prerequisites:
 Restrictions: Offered Section 43 only.

Semester Offered: Spring
 Sections Available: Available Section 43-44
 Semester 2-Week Offered: Spring
 Course Format: Didactic
 Location: SOM
 Additional Information:

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 Required attendance and participation in the discussion of selected films which are screened during class and selected
Activities: 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.

MEDS8100 MEDS Elective Away**Duration:** 2 or 4 weeks**Coordinator:** Angie Duet
angie.duet@ucdenver.edu**Course Director:** Adam Trosterman
adam.trosterman@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 99
 Prerequisites: Department approval must be obtained, then Arrangements must be completed at least one month in advance of start.
 Restrictions: Not available sections 49-50.

Semester Offered: Summer;Fall;Spring
 Sections Available: Not available sections 49-50.
 Semester 2-Week Offered: All
 Course Format:
 Location: Away
 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 This elective allows students to identify and address their specific learning needs whether it be experiencing a field of
Activities: 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**Duration:** 2, 4, 8 or 12 weeks**Coordinator:** Angie Duet
angie.duet@ucdenver.edu**Course Director:** Adam Trosterman
adam.trosterman@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 99
 Prerequisites: Individual arrangements must be completed then Department approval must be obtained. Arrangements must be completed at least one month in advance of start.
 Restrictions: Not available sections 49-50.

Semester Offered: Summer;Fall;Spring
 Sections Available: Not available sections 49-50.
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location: SOM
 Additional Information:

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.**MEDS8630 MEDS Research Away****Duration:** 2, 4, 8 weeks**Coordinator:** Angie Duet
angie.duet@ucdenver.edu**Course Director:** Adam Trosterman
adam.trosterman@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 99
 Prerequisites: Individual arrangements must be completed then Department approval must be obtained. Arrangements must be completed at least one month in advance of start.
 Restrictions: Not available sections 49-50. This course is graded on a pass/fail basis only.

Semester Offered: Summer;Fall;Spring
 Sections Available: Not available sections 49-50.
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location: Away
 Additional Information:

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.

Neurology

NEUR8000 Neurology

Duration: 4 weeks

Coordinator: Holly Ables
holly.ables@ucdenver.edu

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

Sub-I: No
Longitudinal Course: No
Approval Required: No

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered:

Grading: Honor/High Pass
Enrollment: Min: 1 Max: 3

Course Format: Clinical

Location: UCH

Prerequisites:

Additional Information: Rotation is M-F 8a-5pm. No call. No papers or presentations required.

Restrictions:

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.

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.

NEUR8100 NEUR Elective Away

Duration: 2 or 4 weeks

Coordinator: Holly Ables
holly.ables@ucdenver.edu

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

Sub-I: No
Longitudinal Course: No
Approval Required: No

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered: All

Grading: Pass/Fail
Enrollment: Min: 1 Max: 99

Course Format: Clinical

Location: Away

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:

Restrictions: Per Office of Student Affairs guidelines.

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

NEUR8600 Research in Neurology

Duration: 2, 4, 8 or 12 weeks

Coordinator: Holly Ables
holly.ables@ucdenver.edu

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

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 1 Max: 99

Location:

Prerequisites: At least one month prior to Research Elective, the student must make arrangements to work with a Research mentor, then Department approval must be obtained.

Additional Information:

Restrictions:

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.

Neurosurgery

NSUR8014 Neurosurgery Sub-I

Duration: 4 weeks

Coordinator: Sophie Eggert
sophie.eggert@ucdenver.edu

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

Sub-I: Yes
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 1 Max: 5
Prerequisites:
Restrictions: USMLE Step 1 score 215 or higher

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered:
Course Format: Clinical
Location: DHMC
Additional Information:

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.

NSUR8100 NSUR Elective Away

Duration: 2 or 4 weeks

Coordinator: Sophie Eggert
sophie.eggert@ucdenver.edu

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

Sub-I: No
Longitudinal Course: No
Approval Required: Yes
Grading: Pass/Fail
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.
Restrictions:

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered: All
Course Format: Clinical
Location: Away
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

NSUR8600 Research in Neurosurgery**Duration:** 2, 4, 8 or 12 weeks**Coordinator:** Sophie Eggert
sophie.eggert@ucdenver.edu**Course Director:** Yasuaki Harasaki
yasuaki.harasaki@dhha.org

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 99
 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.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location: SOM
 Additional Information:

Restrictions:

Description: A written evaluation must be sent to Dr. Yasuaki Harasaki and Krystin Martinez**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.**NSUR8630 NSUR Research Away****Duration:** 2, 4, 8 weeks**Coordinator:** Sophie Eggert
sophie.eggert@ucdenver.edu**Course Director:** Yasuaki Harasaki
yasuaki.harasaki@dhha.org

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 99
 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.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location: Away
 Additional Information:

Restrictions: Not available sections 49-50.

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.

Obstetrics And Gynecology

OBGY8000 General Obstetrics Sub-I

Duration: 4 weeks

Coordinator: Lorrie Quintana
lorrie.quintana@dhha.org

Course Director: Jennifer Hyer
jennifer.hyer@dhha.org

Sub-I: Yes
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 1 Max: 1
Prerequisites:
Restrictions:

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered:
Course Format: Clinical
Location: DHMC
Additional Information: q3 call, 1 day off every 7 days averaged over 4 weeks.

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

Duration: 4 weeks

Coordinator: Lorrie Quintana
lorrie.quintana@dhha.org

Course Director: Jennifer Hyer
jennifer.hyer@dhha.org

Sub-I: Yes
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 1 Max: 1
Prerequisites:
Restrictions:

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered:
Course Format: Clinical
Location: DHMC
Additional Information: q3 call; 1 day off every 7 averaged over 4 weeks.

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**Duration:** 4 or 8 weeks**Coordinator:** Deborah Jackson
deborah.jackson@ucdenver.edu**Course Director:** Kristina Tocce
kristina.tocce@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 99
 Prerequisites: Must have approval from specific faculty involved and from Course Director to register.
 Restrictions:

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered:
 Course Format: Research/Scholarly Activity
 Location: SOM
 Additional Information:

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.**OBGY8004 High Risk Maternal/Fet Sub-I****Duration:** 4 weeks**Coordinator:** Deborah Jackson
deborah.jackson@ucdenver.edu**Course Director:** Meghan Donnelly
meghan.donnelly@ucdenver.edu

Sub-I: Yes
 Longitudinal Course: No
 Approval Required: No
 Grading: Honor/High Pass
 Enrollment: Min: 1 Max: 1
 Prerequisites:

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered:
 Course Format: Clinical
 Location: UCH
 Additional Information: Minimum of 1 night of call when there is not a third year OB student in house; arranged with Kristina Tocce; expected to participate in antepartum rounds on average 1 weekend day; must arrange with the antepartum team.

Restrictions:

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.

OBGY8005 Gynecologic Oncology Sub-I**Duration:** 4 weeks**Coordinator:** Deborah Jackson
deborah.jackson@ucdenver.edu**Course Director:** Jaime Arruda
jaime.arruda@ucdenver.edu

Sub-I: Yes

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered:

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 1 Max: 1

Location: UCH

Prerequisites:

Additional Information:

Restrictions:

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.**OBGY8009 GYN Subspecialties****Duration:** 4 weeks**Coordinator:** Deborah Jackson
deborah.jackson@ucdenver.edu**Course Director:** Kristina Tocce
kristina.tocce@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered:

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 1 Max: 1

Location: UCH

Prerequisites:

Additional Information:

Restrictions:

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.**Course Activities:** 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.

OBGY8010 Reproductive/Infertility**Duration:** 4 weeks**Coordinator:** Deborah Jackson
deborah.jackson@ucdenver.edu**Course Director:** Serena Dovey
serena.dovey@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Honor/High Pass or Pass/Fail (<4 wks)
 Enrollment: Min: 1 Max: 1
 Prerequisites:
 Restrictions: 2 week rotations offered with special arrangement with course director only. Only offered in Fall and Spring.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered:
 Course Format: Clinical
 Location: UCH
 Additional Information:

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

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

OBGY8011 Family Planning**Duration:** 4 weeks**Coordinator:** Deborah Jackson
deborah.jackson@ucdenver.edu**Course Director:** Kristina Tocce
kristina.tocce@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Honor/High Pass
 Enrollment: Min: 1 Max: 1
 Prerequisites:
 Restrictions: This elective is for University of Colorado Students only; no visiting students.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available Sections 21-48
 Semester 2-Week Offered:
 Course Format: Clinical
 Location:
 Additional Information:

Description: This elective is designed to make the student proficient in providing family planning services: contraception, options counseling and termination procedures. Substantial emphasis will also be placed on participation in ongoing research activities of the division.

Course Activities: The course is designed to promote proficiency in the medical and social aspects of family planning services. The elective will not only provide the knowledge to deal with family planning issues, the student also will become adept at caring for women with complicated cases (ie medically complicated patients needing contraception and/or termination of pregnancy, diagnosis and treatment of normal intrauterine pregnancies, abnormal pregnancies and ectopics, caring for women with incomplete and septic abortions, caring for complications of therapeutic abortions.

OBGY8012 UH Gynecology Sub-I**Duration:** 4 weeks**Coordinator:** Deborah Jackson
deborah.jackson@ucdenver.edu**Course Director:** Kristina Tocce
kristina.tocce@ucdenver.eduSub-I: Yes
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 1 Max: 1
Prerequisites:
Restrictions:Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered:
Course Format: Clinical
Location: UCH
Additional Information:**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.**OBGY8014 OB Surgical Skills Boot Camp****Duration:** 2 weeks**Coordinator:** Jennifer Hyer
jennifer.hyer@dhha.org**Course Director:** Kristina Tocce
kristina.tocce@ucdenver.eduSub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Pass/Fail
Enrollment: Min: 0 Max: 10
Prerequisites:
Restrictions:Semester Offered: Spring
Sections Available: Available Sections 49-50
Semester 2-Week Offered: Spring
Course Format: Clinical
Location: UCH
Additional Information: The topics in this course are specific to preoperative evaluation of patient, surgical technique, and postoperative patient evaluation.**Description:** Surgical Skills Boot Camp is intended for all fourth year students interested in surgical subspecialties. We will focus on improving individual skill sets and knowledge base that will improve transition into internship and residency.**Course Activities:** We will begin with basic suture, knot tying technique, and procedure dry labs (such as hysteroscopy and hysteroscopic sterilization). The course will also include preoperative evaluation of patients, surgical technique and approach, and finish with postoperative evaluation and order sets.

OBGY8015 Group Prenatal Care: Pregnancy and Parenting Partners**Duration:** Entire year counts for 2 weeks**Coordinator:** Susanne Kistin
susanne.kistin@ucdenver.edu**Course Director:** Amy Nacht
amy.nacht@ucdenver.edu

Sub-I: No
 Longitudinal Course: Yes
 Approval Required: No
 Grading: Pass/Fail
 Enrollment: Min: 0 Max: 2
 Prerequisites:

Semester Offered: Summer;Fall;Spring
 Sections Available: Longitudinal Course
 Semester 2-Week Offered:
 Course Format: Clinical
 Location: UCH
 Additional Information: 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.

Restrictions:

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

OBGY8100 OBGY Elective Away**Duration:** 2 or 4 weeks**Coordinator:** Deborah Jackson
deborah.jackson@ucdenver.edu**Course Director:** Kristina Tocce
kristina.tocce@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Pass/Fail
 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.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format:
 Location: Away
 Additional Information:

Restrictions:

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 will vary based on the away site of choice
Activities:

OBGY8600 Research in OBGYN**Duration:** 2, 4, 8 or 12 weeks**Coordinator:** Deborah Jackson
deborah.jackson@ucdenver.edu**Course Director:** Kristina Tocce
kristina.tocce@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 99
 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.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location:
 Additional Information:

Restrictions:

Description:

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

OBGY8630 OBGY Research Away**Duration:** 2, 4, 8 weeks**Coordinator:** Deborah Jackson
deborah.jackson@ucdenver.edu**Course Director:** Kristina Tocce
kristina.tocce@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 99
 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.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location: Away
 Additional Information:

Restrictions:

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

Ophthalmology

OPHT8000 Ophthalmology

Duration: 2 or 4 weeks

Coordinator: Bethany Jackson
bethany.jackson@ucdenver.edu

Course Director: Eric Hink
eric.hink@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered: Fall;Spring

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

Course Format: Clinical

Enrollment: Min: 1 Max: 1

Location: UCH

Prerequisites:

Additional Information:

Restrictions:

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

Duration: 2 or 4 weeks

Coordinator: Bethany Jackson
bethany.jackson@ucdenver.edu

Course Director: Eric Hink
eric.hink@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Away

Enrollment: Min: 1 Max: 99

Location: Away

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:

Restrictions:

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

OPHT8600 Research Ophthalmology**Duration:** 2, 4, 8 or 12 weeks**Coordinator:** Bethany Jackson
bethany.jackson@ucdenver.edu**Course Director:** Eric Hink
eric.hink@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 1 Max: 99

Location:

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:**

Restrictions:

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.**OPHT8630 OPHT Research Away****Duration:** 2, 4, 8 weeks**Coordinator:** Bethany Jackson
bethany.jackson@ucdenver.edu**Course Director:** Eric Hink
eric.hink@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 1 Max: 99

Location: Away

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:**

Restrictions:

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.

Orthopedic

ORTH8000 Orthopaedic Surgery Sub-I

Duration: 4 weeks

Coordinator: Kelly Wright
kelly.wright@ucdenver.edu

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

Sub-I: Yes
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 1 Max: 8
Prerequisites:
Restrictions: Offered summer and fall semesters.

Semester Offered: Summer;Fall;
Sections Available: Available Sections 5-32
Semester 2-Week Offered:
Course Format: Clinical
Location:
Additional Information: Site assignment is based on availability and can be at UCH, CHCO, VA, and DH

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.

ORTH8001 Orthopaedic Primary Care

Duration: 4 weeks

Coordinator: Kelly Wright
kelly.wright@ucdenver.edu

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

Sub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass or Pass/Fail (<4 wks)
Enrollment: Min: 1 Max: 2
Prerequisites:
Restrictions: Offered spring semester.

Semester Offered: Spring
Sections Available: Available in spring only (Sections 33-51)
Semester 2-Week Offered:
Course Format: Clinical
Location:
Additional Information:

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.

ORTH8005 Sports Medicine**Duration:** 4 weeks**Coordinator:** Kelly Wright
kelly.wright@ucdenver.edu**Course Director:** Frank Scott
frank.scott@ucdenver.edu

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available in all sections
Approval Required:	No	Semester 2-Week Offered:	
Grading:	Honor/High Pass or Pass/Fail (<4 wks)	Course Format:	Clinical
Enrollment:	Min: 1 Max: 1	Location:	UCH
Prerequisites:		Additional Information:	Course is offered at UCH and Denver Sports
Restrictions:	This is a surgical orthopaedic elective.		

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.**ORTH8006 Alpine Orthopedics****Duration:** 4 weeks**Coordinator:** Kelly Wright
kelly.wright@ucdenver.edu**Course Director:** Frank Scott
frank.scott@ucdenver.edu

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available in all sections.
Approval Required:	No	Semester 2-Week Offered:	
Grading:	Honor/High Pass	Course Format:	Clinical
Enrollment:	Min: 0 Max: 1	Location:	Away
Prerequisites:	Must have completed ORTH 8000 and be applying to orthopedic residency	Additional Information:	
Restrictions:			

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**Duration:** 2 or 4 weeks**Coordinator:** Kelly Wright
kelly.wright@ucdenver.edu**Course Director:** Frank Scott
frank.scott@ucdenver.edu

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available in all sections
Approval Required:	No	Semester 2-Week Offered:	All
Grading:	Pass/Fail	Course Format:	
Enrollment:	Min: 1 Max: 10	Location:	Away
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.		

Restrictions:

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

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available in all sections
Approval Required:	No	Semester 2-Week Offered:	All
Grading:	Pass/Fail	Course Format:	Research/Scholarly Activity
Enrollment:	Min: 1 Max: 4	Location:	
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.		

Restrictions:

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

Coordinator: Kelly Wright
kelly.wright@ucdenver.edu

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

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 1 Max: 10

Location: Away

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:

Restrictions:

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.

Otolaryngology

OTOL8000 Clinical Otolaryngology

Duration: 2 or 4 weeks

Coordinator: Vicki Muscatello
vicki.muscatello@ucdenver.edu

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

Sub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass or Pass/Fail (<4 wks)
Enrollment: Min: 1 Max: 4
Prerequisites: 2 Week request, need to have director approval.
Restrictions: course is offered throughout the year; 4 week blocks during June-September, 2 week blocks October-May. Students applying for Otolaryngology residency should select the 4 week block.

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered: Fall;Spring
Course Format: Clinical
Location:
Additional Information:

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

Duration: 2 or 4 weeks

Coordinator: Vicki Muscatello
vicki.muscatello@ucdenver.edu

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

Sub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Pass/Fail
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.

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered: All
Course Format:
Location: Away
Additional Information:

Restrictions:

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

OTOL8600 Otolaryngology Research**Duration:** 2, 4, 8 or 12 weeks**Coordinator:** Vicki Muscatello
vicki.muscatello@ucdenver.edu**Course Director:** Adam Terella
adam.terella@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 99
 Prerequisites: N/A
 Restrictions: Course is offered throughout the year in 4, 8 or 12 week increments

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location:
 Additional Information:

Description: Gain experience in Otolaryngology-related research in basic or clinical science at the University of Colorado.**Course Activities:** Scholarly research. Specific activities created by the student and mentor based on the project.**OTOL8630 OTOL Research Away****Duration:** 2, 4, 8 weeks**Coordinator:** Vicki Muscatello
vicki.muscatello@ucdenver.edu**Course Director:** Adam Terella
adam.terella@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 99
 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.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location: Away
 Additional Information:

Restrictions:

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.

Pathology

PATH8000 Pathology

Duration: 2 or 4 weeks

Coordinator: Gretchen Haroldson
gretchen.haroldson@ucdenver.edu

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

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered: All

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 1 Max: 2

Location: UCH, CHCO

Prerequisites:

Additional Information:

Restrictions:

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.

PATH8100 PATH Elective Away

Duration: 2 or 4 weeks

Coordinator: Gretchen Haroldson
gretchen.haroldson@ucdenver.edu

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

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Clinical

Enrollment: Min: 1 Max: 99

Location: Away

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. A full written description from course director at outside institution.

Additional Information:

Restrictions:

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

Duration: 2, 4, 8 weeks

Coordinator: Gretchen Haroldson
gretchen.haroldson@ucdenver.edu

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

Sub-I: No
Longitudinal Course: No
Approval Required: Yes
Grading: Pass/Fail
Enrollment: Min: 1 Max: 99
Prerequisites: Departmental approval and all arrangements made at least one month in advance
Restrictions:

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered: All
Course Format: Research/Scholarly Activity
Location: UCH
Additional Information:

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.

Course Varies per student interest and laboratory selected.
Activities:

PATH8630 PATH Research Away

Duration: 2, 4, 8 weeks

Coordinator: Gretchen Haroldson
gretchen.haroldson@ucdenver.edu

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

Sub-I: No
Longitudinal Course: No
Approval Required: Yes
Grading: Pass/Fail
Enrollment: Min: 1 Max: 99
Prerequisites: Departmental approval and all arrangements made at least one month in advance
Restrictions:

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered: All
Course Format: Research/Scholarly Activity
Location: Away
Additional Information:

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 Varies per student interest and laboratory selected.
Activities:

Pediatric

PEDS8000 Pediatric Sub-I

Duration: 4 weeks

Coordinator: Michael Baca
michael.baca@childrenscolorado.org

Course Director: Jennifer Soep
jennifer.soep@ucdenver.edu

Sub-I: Yes

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered:

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 0 Max: 4

Location: CHCO

Prerequisites:

Additional Information:

Restrictions:

Description: 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.

PEDS8004 Pediatric Cardiology

Duration: 4 weeks

Coordinator: Michael Baca
michael.baca@childrenscolorado.org

Course Director: Michael Schaffer
michael.schaffer@childrenscolorado.org

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Not available Section 49

Approval Required: No

Semester 2-Week Offered:

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 0 Max: 1

Location: CHCO, DH

Prerequisites:

Additional Information: Students rotate at CHCO and DH

Restrictions:

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 consults, 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 Students are expected to be present and prepared for all daily patient-related activities and learning experiences.

Activities: There is no night call during this rotation, but there are opportunities to attend outreach clinics.

PEDS8005 Allergy and Immunology CHCO

Duration: 4 weeks

Coordinator: Flor Ibarra
flor.ibarra@childrenscolorado.org

Course Director: Daniel Searing
daniel.searing@ucdenver.edu

Sub-I: No
Longitudinal Course: No
Approval Required: No

Semester Offered: Fall;Spring
Sections Available: Available Sections 1, 5, 33, 37, 45
Semester 2-Week Offered:

Grading: Honor/High Pass
Enrollment: Min: 0 Max: 1
Prerequisites:
Restrictions:

Course Format: Clinical
Location: CHCO, DHMC
Additional Information:

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

Course Activities: Students are expected to be present and prepared for all daily patient-related activities and learning experiences. There are 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

Duration: 4 weeks

Coordinator: Mariama Sannoh

Course Director: Nathan Rabinovitch

Sub-I: No
Longitudinal Course: No
Approval Required: No

Semester Offered: Spring;Summer
Sections Available: Only available in select sections (1-8, 33-36, 45-52)
Semester 2-Week Offered:

Grading: Honor/High Pass or Pass/Fail (<4 wks)
Enrollment: Min: 0 Max: 1
Prerequisites:
Restrictions:

Course Format: Clinical
Location:
Additional Information: There are is no night call during this rotation.

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

Coordinator: Michael Baca
michael.baca@childrenscolorado.org

Course Director: Andrew Sirotnak
andrew.sirotnak@childrenscolorado.org

Sub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 0 Max: 1
Prerequisites:
Restrictions:

Semester Offered: Summer;Fall;Spring
Sections Available: Not Available Sections 9-12
Semester 2-Week Offered:
Course Format: Clinical
Location:
Additional Information:

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

Coordinator: Michael Baca
michael.baca@childrenscolorado.org

Course Director: Margarita Saenz
margarita.saenz@childrenscolorado.org

Sub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 0 Max: 1
Prerequisites:
Restrictions:

Semester Offered: Summer;Fall;Spring
Sections Available: Not available sections 49-51
Semester 2-Week Offered:
Course Format: Clinical
Location: CHCO
Additional Information:

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

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Honor/High Pass or Pass/Fail (<4 wks)
 Enrollment: Min: 0 Max: 1
 Prerequisites:
 Restrictions:

Semester Offered: Summer;Fall;Spring
 Sections Available: Not available sections 49-51
 Semester 2-Week Offered: All
 Course Format: Clinical
 Location: CHCO
 Additional Information:

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**Duration:** 4 weeks**Coordinator:** Michael Baca
michael.baca@childrenscolorado.org**Course Director:** Oren Kupfer
oren.kupfer@childrenscolorado.org

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Honor/High Pass or Pass/Fail (<4 wks)
 Enrollment: Min: 0 Max: 1
 Prerequisites:
 Restrictions:

Semester Offered: Summer;Fall;Spring
 Sections Available: Not available sections 49-51
 Semester 2-Week Offered:
 Course Format: Clinical
 Location: CHCO
 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**Duration:** 4 weeks**Coordinator:** Michael Baca
michael.baca@childrenscolorado.org**Course Director:** Padmini Palat

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Not available sections 1-8 or 37-51
Approval Required:	No	Semester 2-Week Offered:	
Grading:	Honor/High Pass	Course Format:	Clinical
Enrollment:	Min: 0 Max: 2	Location:	CHCO
Prerequisites:		Additional Information:	
Restrictions:			

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****Duration:** 4 weeks**Coordinator:** Michael Baca
michael.baca@childrenscolorado.org**Course Director:** Christine Chan
christinel.chan@childrenscolorado.org

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Not available sections 49-51
Approval Required:	No	Semester 2-Week Offered:	
Grading:	Honor/High Pass or Pass/Fail (<4 wks)	Course Format:	Clinical
Enrollment:	Min: 0 Max: 1	Location:	CHCO
Prerequisites:		Additional Information:	
Restrictions:			

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

Duration: 4 weeks

Coordinator: Michael Baca
michael.baca@childrenscolorado.org

Course Director: Jennifer Soep
jennifer.soep@ucdenver.edu

Sub-I:	Yes	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Not available sections 9-16 and 49-51
Approval Required:	No	Semester 2-Week Offered:	
Grading:	Honor/High Pass	Course Format:	Clinical
Enrollment:	Min: 0 Max: 3	Location:	CHCO, DH
Prerequisites:		Additional Information:	Students rotate at CHCO and DH
Restrictions:	Only 2 spots available in Sections 9 and 13.		

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.

PEDS8018 General Academic Peds

Duration: 4 weeks

Coordinator: Michael Baca
michael.baca@childrenscolorado.org

Course Director: Christina Suh

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Not available sections 49-51
Approval Required:	No	Semester 2-Week Offered:	
Grading:	Honor/High Pass or Pass/Fail (<4 wks)	Course Format:	Clinical
Enrollment:	Min: 0 Max: 2	Location:	CHCO
Prerequisites:		Additional Information:	
Restrictions:			

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

Duration: 4 weeks

Coordinator: Michael Baca
michael.baca@childrenscolorado.org

Course Director: Paritosh Kaul
paritosh.kaul@childrenscolorado.org

Sub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 0 Max: 1
Prerequisites:
Restrictions:

Semester Offered: Fall;Spring
Sections Available: Not available sections 49-51
Semester 2-Week Offered:
Course Format: Clinical
Location: CHCO
Additional Information:

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.

PEDS8020 Adolescent Medicine

Duration: 4 weeks

Coordinator: Michael Baca
michael.baca@childrenscolorado.org

Course Director: Paritosh Kaul
paritosh.kaul@ucdenver.edu

Sub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 0 Max: 1
Prerequisites:
Restrictions:

Semester Offered: Fall;Spring
Sections Available: Not available sections 49-51
Semester 2-Week Offered:
Course Format: Clinical
Location: CHCO
Additional Information:

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**Duration:** 4 weeks**Coordinator:** Michael Baca
michael.baca@childrenscolorado.org**Course Director:** Ellen Elias
ellen.elias@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections.

Approval Required: No

Semester 2-Week Offered:

Grading: Pass/Fail

Course Format: Clinical

Enrollment: Min: 0 Max: 1

Location: CHCO, UCH, MCPN, Wheat Ridge
Regional Center

Prerequisites:

Additional Information:

Restrictions:

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.**PEDS8022 Peds Gastroenterology****Duration:** 2 or 4 weeks**Coordinator:** Michael Baca
michael.baca@childrenscolorado.org**Course Director:** Edward Hoffenberg
edward.hoffenberg@childrenscolorado.org

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Not available sections 49-51

Approval Required: No

Semester 2-Week Offered: All

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

Course Format: Clinical

Enrollment: Min: 0 Max: 2

Location: CHCO

Prerequisites:

Additional Information:

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-coeliac 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

Duration: 2 weeks

Coordinator:

Course Director: Stephanie Stevens
stephaniestevens@earthlink.net

Sub-I: No
Longitudinal Course: Yes
Approval Required: No
Grading: Pass/Fail
Enrollment: Min: 0 Max: 8
Prerequisites: Students must be members of the Warren Village Healthy Beginnings Clinic Steering Committee.

Semester Offered: Fall;Spring
Sections Available: Longitudinal Course
Semester 2-Week Offered: Fall;Spring
Course Format: Clinical
Location: Ray Cushman House at Warren Village

Additional Information:

Restrictions:

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: -Students will 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

PEDS8024 Child Development/Behav.

Duration: 2 or 4 weeks

Coordinator: Michael Baca
michael.baca@childrenscolorado.org

Course Director: Robyn Nolan
robyn.nolan@childrenscolorado.org

Sub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Pass/Fail
Enrollment: Min: 0 Max: 1
Prerequisites:
Restrictions: - Section 29 Blocked per request of Director

Semester Offered: Summer;Fall;Spring
Sections Available: Not available sections 49-51
Semester 2-Week Offered: All
Course Format: Clinical
Location: CHCO
Additional Information:

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 with fellows independent reading

PEDS8025 PEDS Emergency Medicine**Duration:** 2 or 4 weeks**Coordinator:** Michael Baca
michael.baca@childrenscolorado.org**Course Director:** Kelley Roswell
kelley.roswell@childrenscolorado.org

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Not available sections 47-51

Approval Required: No

Semester 2-Week Offered: All

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

Course Format: Clinical

Enrollment: Min: 0 Max: 1

Location:

Prerequisites:

Additional Information:

Restrictions:

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** Skills will be taught through one on one interaction with faculty and case presentations.**Activities:****PEDS8026 Pediatric Nephrology****Duration:** 2 or 4 weeks**Coordinator:** Michael Baca
michael.baca@childrenscolorado.org**Course Director:** Melisha Hanna
melisha.hanna@childrenscolorado.org

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Not available sections 49-51

Approval Required: No

Semester 2-Week Offered: All

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 0 Max: 1

Location: CHCO

Prerequisites:

Additional Information:

Restrictions:

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** 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.
Activities: Responsibilities include: 1. Attend morning rounds for both the primary inpatient team and kidney consult service (Monday-Friday mornings) 2. 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) 3. Attend clinical meetings a. Kidney Center clinical patient review b. Dialysis quality improvement c. Transplant meeting 4. 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

PEDS8027 Pediatric ICU Sub-I**Duration:** 4 weeks**Coordinator:** Michael Baca
michael.baca@childrenscolorado.org**Course Director:** Angela Czaja
angela.czaja@childrenscolorado.orgSub-I: Yes
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 0 Max: 1
Prerequisites:
Restrictions:Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered:
Course Format: Clinical
Location: TCH
Additional Information:**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.**PEDS8029 Breastfeeding Management****Duration:** 2 weeks**Coordinator:** Laura Primak
laura.primak@ucdenver.edu**Course Director:** Maya Bunik
maya.bunik@childrenscolorado.orgSub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Pass/Fail
Enrollment: Min: 0 Max: 2
Prerequisites: Contact Dr. Maya Bunik and Laura Primak 2 weeks prior to start.
(maya.bunik@childrenscolorado.org;
laura.primak@ucdenver.edu)
Restrictions:Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered: All
Course Format: Clinical
Location: Community Hospital, WIC
Additional Information:**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**Duration:** 2 or 4 weeks**Coordinator:** Michael Baca
michael.baca@childrenscolorado.org**Course Director:** Sean O'Leary
sean.oleary@childrenscolorado.org

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Pass/Fail
 Enrollment: Min: 0 Max: 2
 Prerequisites:
 Restrictions:

Semester Offered: Summer;Fall;Spring
 Sections Available: Not available sections 49-51
 Semester 2-Week Offered: All
 Course Format: Clinical
 Location: CHCO
 Additional Information: Students rotate at CHCO and outpatient community physician's office

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**PEDS8031 Pediatric Hem/Onc****Duration:** 4 weeks**Coordinator:** Michael Baca
michael.baca@childrenscolorado.org**Course Director:** Brian Greffe
brian.greffe@childrenscolorado.org

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Honor/High Pass or Pass/Fail (<4 wks)
 Enrollment: Min: 0 Max: 1
 Prerequisites:
 Restrictions:

Semester Offered: Summer;Fall;Spring
 Sections Available: Not available sections 49-51
 Semester 2-Week Offered:
 Course Format: Clinical
 Location: CHCO
 Additional Information:

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.

PEDS8032 Pediatric Radiology**Duration:** 2 or 4 weeks**Coordinator:** Michael Baca
michael.baca@childrenscolorado.org**Course Director:** Kari Hayes
kari.hayes@childrenscolorado.org

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Not available sections 1-4; 45-51
Approval Required:	No	Semester 2-Week Offered:	All
Grading:	Honor/High Pass or Pass/Fail (<4 wks)	Course Format:	Clinical
Enrollment:	Min: 0 Max: 1	Location:	CHCO, DH
Prerequisites:		Additional Information:	Students rotate at CHCO and DH
Restrictions:			

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 fluroscopy as available online learning when instructor unavailable

PEDS8100 PEDS Elective Away**Duration:** 2 or 4 weeks**Coordinator:** Michael Baca
michael.baca@childrenscolorado.org**Course Director:** Jennifer Soep
jennifer.soep@ucdenver.edu

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available in all sections
Approval Required:	No	Semester 2-Week Offered:	All
Grading:	Pass/Fail	Course Format:	Away
Enrollment:	Min: 0 Max:	Location:	Away
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:	
Restrictions:	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**Duration:** 2, 4, 8 or 12 weeks**Coordinator:** Michael Baca
michael.baca@childrenscolorado.org**Course Director:** Jennifer Soep
jennifer.soep@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Pass/Fail
 Enrollment: Min: Max:
 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.
 Restrictions: Sections 49-50 not available.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location: SOM
 Additional Information:

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****Duration:** 2, 4, 8 weeks**Coordinator:** Michael Baca
michael.baca@childrenscolorado.org**Course Director:** Jennifer Soep
jennifer.soep@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 0
 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.
 Restrictions: Sections 49-50 not available.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location: SOM
 Additional Information:

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

Duration: 2 or 4 weeks

Coordinator: Mallory Pridy
mallory.pridy@ucdenver.edu

Course Director: Scott Laker
scott.laker@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered: All

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

Course Format: Clinical

Enrollment: Min: 1 Max: 4

Location: UCH, CHCO, VA, DHMC

Prerequisites:

Additional Information:

Restrictions:

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.

PHMD8100 PHMD Elective Away

Duration: 2 or 4 weeks

Coordinator: Mallory Pridy
mallory.pridy@ucdenver.edu

Course Director: Scott Laker
scott.laker@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered: All

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

Course Format: Clinical

Enrollment: Min: 1 Max: 99

Location: Away

Prerequisites:

Additional Information:

Restrictions:

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: Activities will vary based on the away site of choice

PHMD8600 Research Physical Med

Duration: 2, 4, 8 or 12 weeks

Coordinator: Mallory Pridy
mallory.pridy@ucdenver.edu

Course Director: Scott Laker
scott.laker@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 1 Max: 99

Location: SOM

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:

Restrictions:

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

Duration: 4 weeks

Coordinator:

Course Director: Tim Byers

tim.byers@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered:

Grading: Pass/Fail

Course Format: Clinical

Enrollment: Min: 1 Max: 4

Location: Away

Prerequisites: Course Director approval required to add course.

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

Restrictions:

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 Students will have an experience in preventive med tailed to their specific career plans.

Activities:

PRMD8006 Dir Study Ethics/Humanit

Duration: 2, 4, 8 weeks

Coordinator:

Course Director: Jackie Glover

jackie.glover@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 1 Max: 99

Location: SOM

Prerequisites: Course Director approval required to add course.

Additional Information:

Restrictions:

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 Students will complete a final project, either written or presented.

Activities:

PRMD8100 PRMD Elective Away

Duration: 4 weeks

Coordinator:

Course Director: Tim Byers
tim.byers@ucdenver.edu

Sub-I: No
Longitudinal Course: No
Approval Required: Yes
Grading: Pass/Fail
Enrollment: Min: 1 Max: 4
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.

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered:
Course Format: Clinical
Location: Away
Additional Information:

Restrictions:

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 Students will have an experience is preventive med tailed to their specific career plans.

Activities:

PRMD8600 Research Preventive Med

Duration: 2, 4, 8 or 12 weeks

Coordinator:

Course Director: Tim Byers
tim.byers@ucdenver.edu

Sub-I: No
Longitudinal Course: No
Approval Required: Yes
Grading: Pass/Fail
Enrollment: Min: 1 Max: 4
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.

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered: All
Course Format: Research/Scholarly Activity
Location: SOM
Additional Information:

Restrictions:

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 Students will have an experience is preventive med tailed to their specific career plans.

Activities:

PRMD8630 PRMD Research Away

Duration: 2, 4, 8 or 12 weeks

Coordinator:

Course Director: Tim Byers

tim.byers@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 1 Max: 4

Location: Away

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:

Restrictions:

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 is preventive med tailed to their specific career plans.

Psychiatry

PSYM8000 Advanced Adult Inpatient Psychiatry

Duration: 4 weeks

Coordinator: Sharon Campbell
sharon.campbell@ucdenver.edu

Course Director: Abraham Nussbaum
abraham.nussbaum@dhha.org

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered:

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 1 Max: 3

Location: VA, DHMC

Prerequisites:

Additional Information:

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

Description: 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.

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. Present an article at the weekly journal club.

PSYM8001 Prim. Care Subst. Probs.**Duration:** 2 or 4 weeks**Coordinator:** Elisa Upwood
elisa.upwood@ucdenver.edu**Course Director:**

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Honor/High Pass or Pass/Fail (<4 wks)
 Enrollment: Min: 1 Max: 2
 Prerequisites: Course Director approval required to add course. Must contact course director at least 6 weeks before course starts to add.
 Restrictions:

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Clinical
 Location:
 Additional Information:

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.

PSYM8003 Elective in Psychiatry**Duration:** 2 or 4 weeks**Coordinator:** Sharon Campbell
sharon.campbell@ucdenver.edu**Course Director:** Abraham Nussbaum
abraham.nussbaum@dhha.org

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 0 Max: 99
 Prerequisites: Pre-approval of course director and coordinator.

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Clinical
 Location:
 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.

Restrictions:

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.

PSYM8004 Advanced Child and Adolescent Psych

Duration: 4 weeks

Coordinator: Sharon Campbell
sharon.campbell@ucdenver.edu

Course Director: Abraham Nussbaum
abraham.nussbaum@dhha.org

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered:

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 0 Max: 2

Location: DHMC, CHCO

Prerequisites:

Additional Information:

Restrictions:

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 details are available in the syllabus.

PSYM8006 Clinical PSYM C/L

Duration: 4 weeks

Coordinator: Sharon Campbell
sharon.campbell@ucdenver.edu

Course Director: Abraham Nussbaum
abraham.nussbaum@dhha.org

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered:

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 0 Max: 1

Location: UCH, DHMC

Prerequisites:

Additional Information:

Restrictions:

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.

PSYM8007 Clinical PSYM Emer Srvs**Duration:** 4 weeks**Coordinator:** Sharon Campbell
sharon.campbell@ucdenver.edu**Course Director:** Abraham Nussbaum
abraham.nussbaum@dhha.org

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered:

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 0 Max: 2

Location: DHMC

Prerequisites:

Additional Information:

Restrictions:

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.

PSYM8008 Clinical PSYM Forensic**Duration:** 4 weeks**Coordinator:** Sharon Campbell
sharon.campbell@ucdenver.edu**Course Director:** Abraham Nussbaum
abraham.nussbaum@dhha.org

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered:

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 0 Max: 2

Location: Fort Logan Mental Health Institute

Prerequisites:

Additional Information:

Restrictions:

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.

PSYM8009 Clinical PSYM Addiction**Duration:** 4 weeks**Coordinator:** Sharon Campbell
sharon.campbell@ucdenver.edu**Course Director:** Abraham Nussbaum
abraham.nussbaum@dhha.org

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available in all sections
Approval Required:	No	Semester 2-Week Offered:	
Grading:	Honor/High Pass	Course Format:	Clinical
Enrollment:	Min: 0 Max: 2	Location:	CeDAR
Prerequisites:		Additional Information:	
Restrictions:			

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.

PSYM8010 Clin PSYM Eating Disorders**Duration:** 4 weeks**Coordinator:** Sharon Campbell
sharon.campbell@ucdenver.edu**Course Director:** Abraham Nussbaum
abraham.nussbaum@dhha.org

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available in all sections
Approval Required:	No	Semester 2-Week Offered:	
Grading:	Honor/High Pass	Course Format:	Clinical
Enrollment:	Min: 0 Max: 2	Location:	CHCO
Prerequisites:		Additional Information:	
Restrictions:			

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

- 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.

PSYM8100 PSYM Elective Away

Duration: 2 or 4 weeks

Coordinator: Sharon Campbell
sharon.campbell@ucdenver.edu

Course Director: Abraham Nussbaum
abraham.nussbaum@dhha.org

Sub-I: No
Longitudinal Course: No
Approval Required: Yes
Grading: Pass/Fail
Enrollment: Min: 1 Max: 99
Prerequisites: Pre-approval of course director and coordinator. 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.

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered: All
Course Format: Clinical
Location: Away
Additional Information:

Restrictions:

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.

PSYM8600 Research in Psychiatry

Duration: 2, 4, 8 or 12 weeks

Coordinator: Sharon Campbell
sharon.campbell@ucdenver.edu

Course Director: Joseph Sakai
joseph.sakai@ucdenver.edu

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available in all sections
Approval Required:	Yes	Semester 2-Week Offered:	All
Grading:	Pass/Fail	Course Format:	Research/Scholarly Activity
Enrollment:	Min: 1 Max: 99	Location:	UCH, CHCO, VA, DHMC
Prerequisites:		Additional Information:	
Restrictions:			

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. Based on the research mentor and lab the learning activities will vary but may include:

- 1.a. Conduct a targeted but in depth literature review. Consider utilizing resources available within their lab or at the Health Sciences library.
- 1.b. Read and synthesize the collected literature citing their relevance to the lab's ongoing work or the student's identified project.
- 1.c. Review findings with research mentor and together identify gaps in the literature review.
- 1.d. Continue steps 1.a-c in an iterative process to improve understanding of the extant literature.

- 2.a. Demonstrate proficiency in basic lab techniques essential to the research project.
- 2.b. Demonstrate understanding of basic elements of study design.
- 2.c. Demonstrate basic proficiency with phenotypic assessments, such as structured diagnostic instruments.
- 2.d. Demonstrate basic understanding of data analysis techniques.

- 3.a. Develop knowledge about research ethics via ongoing conversations with mentor.
- 3.b. Develop knowledge about research ethics via completion of courses such as CITI-basic.
- 3.c. Develop knowledge about research ethics via campus trainings on the topic.

- 4.a. Presentation of research results at a lab meeting.
- 4.b. Presentation of research results at a local research meeting.
- 4.c. Presentation of research results at a national meeting.

- 5.a. Contribute to ongoing research efforts within the lab by producing scholarly written materials, such as an abstract, review of the literature, or research poster, that the student reviews with mentor.
- 5.b. Co-author or author a review of the literature with the mentor.
- 5.c. Co-author or author original research manuscript with the mentor.

Radiation Oncology

RAON8005 Radiation Oncology

Duration: 4 weeks

Coordinator: Sandra Korn
sandra.korn@ucdenver.edu

Course Director: Christine Fisher
christine.fisher@ucdenver.edu

Sub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 1 Max: 2
Prerequisites:

Semester Offered: Summer;Fall;
Sections Available: Not Available Sections 25-32
Semester 2-Week Offered:
Course Format: Clinical
Location: UCH, Anschutz Cancer Pavilion
Additional Information: 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.

Restrictions: 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

Duration: 4 weeks

Coordinator: Sandra Korn
sandra.korn@ucdenver.edu

Course Director: Christine Fisher
christine.fisher@ucdenver.edu

Sub-I: No
Longitudinal Course: No
Approval Required: Yes
Grading: Pass/Fail
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.

Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered:
Course Format: Clinical
Location: Away
Additional Information:

Restrictions:

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

Duration: 4 weeks

Coordinator: Sandra Korn
sandra.korn@ucdenver.edu

Course Director: Christine Fisher
christine.fisher@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered:

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 1 Max: 2

Location: UCH, Anschutz Cancer Pavilion

Prerequisites: Must have completed RAON 8005 & have Dr. Fisher's approval

Additional Information:

Restrictions:

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

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

Activities:

RAON8630 RAON Research Away

Duration: 2, 4, 8 weeks

Coordinator: Sandra Korn
sandra.korn@ucdenver.edu

Course Director: Christine Fisher
christine.fisher@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered: All

Grading: Pass/Fail

Course Format: Research/Scholarly Activity

Enrollment: Min: 1 Max: 99

Location: Away

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:

Restrictions:

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

Activities:

Radiology

RADI8000 Diagnostic Radiology

Duration: 4 weeks

Coordinator: Katelynn Weber
katelynn.2.weber@ucdenver.edu

Course Director: James Davidson
james.davidson@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Not Available Sections 29 and 33

Approval Required: No

Semester 2-Week Offered:

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 1 Max: 4

Location: UCH

Prerequisites:

Additional Information:

Restrictions: Course not available sections 29 and 33.

Duration: 4 weeks

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 Active work station assessment of both current patients and teaching file studies.

Activities: Oral discussion of imaging of ED, ICU, inpatient and must see-can't miss" radiographs.

RADI8002 Nuclear Medicine

Duration: 2 or 4 weeks

Coordinator: Katelynn Weber
katelynn.2.weber@ucdenver.edu

Course Director: Jennifer Kwak
jennifer.kwak@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Not Available Sections 29 and 33

Approval Required: No

Semester 2-Week Offered: Spring

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

Course Format: Clinical

Enrollment: Min: 1 Max: 1

Location:

Prerequisites:

Additional Information:

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 The medical student will shadow the radiology residents in the performance of their major duties. Students will be

Activities: 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**Duration:** 2 or 4 weeks**Coordinator:** Katelynn Weber
katelynn.2.weber@ucdenver.edu**Course Director:** Kimi Kondo
kimi.kondo@ucdenver.edu

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Not Available Sections 45-48
Approval Required:	Yes: for 2wk course	Semester 2-Week Offered:	All
Grading:	Honor/High Pass or Pass/Fail (<4 wks)	Course Format:	Clinical
Enrollment:	Min: 1 Max: 4	Location:	UCH
Prerequisites:		Additional Information:	2 week courses require director approval.
Restrictions:	During May – November, maximum of 1 student taking the 2-week course. Courses not offered during sections 45-48		

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**Duration:** 2 or 4 weeks**Coordinator:** Katelynn Weber
katelynn.2.weber@ucdenver.edu**Course Director:** Kimi Kondo
kimi.kondo@ucdenver.edu

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available in all sections
Approval Required:	Yes	Semester 2-Week Offered:	All
Grading:	Pass/Fail	Course Format:	Clinical
Enrollment:	Min: 1 Max: 99	Location:	Away
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 d		

Restrictions:

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

RADI8600 Research in Radiology**Duration:** 2, 4, 8 or 12 weeks**Coordinator:** Katelynn Weber
katelynn.2.weber@ucdenver.edu**Course Director:** Kimi Kondo
kimi.kondo@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 4
 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

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location:
 Additional Information:

Restrictions:

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

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.

RADI8630 RADI Research Away**Duration:** 2, 4, 8 or 12 weeks**Coordinator:** Katelynn Weber
katelynn.2.weber@ucdenver.edu**Course Director:** Kimi Kondo
kimi.kondo@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 99
 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 d

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location: Away
 Additional Information:

Restrictions:

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.

Surgery

SURG8000 Gen Surg Univ Sub-I

Duration: 4 weeks

Coordinator: Mary Kay Anderson
mary.k.anderson@ucdenver.edu

Course Director: Thomas Whitehill
thomas.whitehill@va.gov

Sub-I: Yes

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered:

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 1 Max: 5

Location: UCH

Prerequisites:

Additional Information:

Restrictions: Max enrollment of only 4 in sections 17, 21, 25, 29.

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.

SURG8001 Gen Surg DHMC Sub-I

Duration: 4 weeks

Coordinator: Lance Loveday
lance.loveday@dhha.org

Course Director: Carlton Barnett
carlton.barnett@dhha.org

Sub-I: Yes

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available:

Approval Required: No

Semester 2-Week Offered:

Grading: Honor/High Pass

Course Format: Clinical

Enrollment: Min: 1 Max: 3

Location: DHMC

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

Additional Information:

Restrictions:

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**Duration:** 4 weeks**Coordinator:** Laurie Cooper
lauriejoanne.cooper@sclhs.net**Course Director:** G. Edward Kimm
g.edward.kimm@sclhs.netSub-I: Yes
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 1 Max: 2
Prerequisites:
Restrictions:Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered:
Course Format: Clinical
Location: STJ
Additional Information:**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****Duration:** 4 weeks**Coordinator:** Linsey Kasper
linsey.kasper@ucdenver.edu**Course Director:** David Fullerton
david.fullerton@ucdenver.eduSub-I: Yes
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass
Enrollment: Min: 1 Max: 2
Prerequisites:
Restrictions:Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered:
Course Format: Clinical
Location: UCH
Additional Information: Location is UCH and VA**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**Duration:** 4 weeks**Coordinator:** Trina Smidt
trina.smidt@ucdenver.edu**Course Director:** Gordon Lindberg
gordon.lindberg@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: Yes

Semester 2-Week Offered:

Grading: Pass/Fail

Course Format: Clinical

Enrollment: Min: 1 Max: 2

Location: UCH

Prerequisites:

Additional Information:

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** Morning Rounds, Discharge Rounds, Burn Surgery Day, Multidisciplinary Rounds, Burn Clinic**Activities:****SURG8011 Hand Surgery****Duration:** 4 weeks**Coordinator:** Mandy Whitton
mandy.whitton@ucdenver.edu**Course Director:** Mickey Gordon
mickey.gordon@ucdenver.edu

Sub-I: No

Semester Offered: Summer;Fall;Spring

Longitudinal Course: No

Sections Available: Available in all sections

Approval Required: No

Semester 2-Week Offered:

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

Course Format: Clinical

Enrollment: Min: 1 Max: 1

Location: UCH

Prerequisites:

Additional Information:

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** The student will participate as a member of the plastic surgery team including rounding on inpatients, participating in**Activities:** the OR and observing patients in clinic.

SURG8012 Urology Sub-I**Duration:** 4 weeks**Coordinator:** Ashley Lane
ashley.2.lane@ucdenver.edu**Course Director:** Ty Higuchi
ty.higuchi@ucdenver.edu

Sub-I:	Yes	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available Sections 1-18
Approval Required:	Yes	Semester 2-Week Offered:	
Grading:	Honor/High Pass	Course Format:	Clinical
Enrollment:	Min: 1 Max: 6	Location:	UCH
Prerequisites:		Additional Information:	Locations are UCH, DH, CHCO
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**Duration:** 2 or 4 weeks**Coordinator:** Melissa Gray
melissa.gray@childrenscolorado.org**Course Director:** Jonathan Roach
jonathan.roach@childrenscolorado.org

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Available in all sections
Approval Required:	No	Semester 2-Week Offered:	All
Grading:	Honor/High Pass or Pass/Fail (<4 wks)	Course Format:	Clinical
Enrollment:	Min: 1 Max: 1	Location:	
Prerequisites:		Additional Information:	
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.

SURG8019 Plastic Surgery**Duration:** 4 weeks**Coordinator:** Mandy Whitton
mandy.whitton@ucdenver.edu**Course Director:** Ashley Ignatiuk
ashley.ignatiuk@ucdenver.edu

Sub-I: No
 Longitudinal Course: No
 Approval Required: No
 Grading: Honor/High Pass or Pass/Fail (<4 wks)
 Enrollment: Min: 1 Max: 1
 Prerequisites:
 Restrictions:

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections.
 Semester 2-Week Offered:
 Course Format: Clinical
 Location: UCH
 Additional Information:

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**SURG8020 Vascular Surg Research****Duration:** 4, 8 or 12 weeks**Coordinator:** Mary Kay Anderson
mary.k.anderson@ucdenver.edu**Course Director:** Mark Nehler
mark.nehler@ucdenver.edu

Sub-I: No
 Longitudinal Course:
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 2
 Prerequisites: Course director approval required to add this course.
 Restrictions:

Semester Offered: Summer;Fall;Spring
 Sections Available: Available in all sections
 Semester 2-Week Offered:
 Course Format: Research/Scholarly Activity
 Location: SOM
 Additional Information:

Description: Students work in Vascular Diagnostic Laboratory to learn problems of vascular surgical research, tests used, and test interpretations. Responsible for at least one research project, either an original investigation or as part of an ongoing investigation.

SURG8021 Surgical Critical Care Sub-I**Duration:** 4 weeks**Coordinator:** Lance Loveday
lance.loveday@dhha.org**Course Director:** Carlton Barnett
carlton.barnett@dhha.orgSub-I: Yes
Longitudinal Course: No
Approval Required:
Grading: Honor/High Pass
Enrollment: Min: 1 Max: 2
Prerequisites:
Restrictions:Semester Offered: Summer;Fall;Spring
Sections Available:
Semester 2-Week Offered:
Course Format: Clinical
Location:
Additional Information:**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 pts.**SURG8030 Transplant Surgery****Duration:** 4 weeks**Coordinator:** Bretlyn Davis
bretlyn.davis@ucdenver.edu**Course Director:** Trevor Nydam
trevor.nydam@ucdenver.eduSub-I: No
Longitudinal Course: No
Approval Required: No
Grading: Honor/High Pass or Pass/Fail (<4 wks)
Enrollment: Min: 1 Max: 3
Prerequisites:
Restrictions:Semester Offered: Summer;Fall;Spring
Sections Available: Available in all sections
Semester 2-Week Offered:
Course Format: Clinical
Location: UCH
Additional Information:**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.

SURG8100 SURG Elective Away**Duration:** 4 weeks**Coordinator:** Mary Kay Anderson
mary.k.anderson@ucdenver.edu**Course Director:** Thomas Whitehill
thomas.whitehill@va.gov

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 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.

Semester Offered: Summer;Fall;Spring
 Sections Available: Not Available Sections 49-50
 Semester 2-Week Offered:
 Course Format: Clinical
 Location: Away
 Additional Information: 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 for

Restrictions: 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 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** Determined by the institution where the Away Course is being taken.
Activities:**SURG8600 Research in Surgery****Duration:** 2, 4, 8 or 12 weeks**Coordinator:** Mary Kay Anderson
mary.k.anderson@ucdenver.edu**Course Director:** Thomas Whitehill
thomas.whitehill@va.gov

Sub-I: No
 Longitudinal Course: No
 Approval Required: Yes
 Grading: Pass/Fail
 Enrollment: Min: 1 Max: 99
 Prerequisites: 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 m

Semester Offered: Summer;Fall;Spring
 Sections Available: Not Available Sections 49-50
 Semester 2-Week Offered: All
 Course Format: Research/Scholarly Activity
 Location: SOM
 Additional Information:

Restrictions:

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** Determined by the student and the Principal Investigator they are working with.
Activities:

SURG8630 SURG Research Away

Duration: 2, 4, 8 or 12 weeks

Coordinator: Mary Kay Anderson
mary.k.anderson@ucdenver.edu

Course Director: Thomas Whitehill
thomas.whitehill@va.gov

Sub-I:	No	Semester Offered:	Summer;Fall;Spring
Longitudinal Course:	No	Sections Available:	Not Available Sections 49-50
Approval Required:	Yes	Semester 2-Week Offered:	All
Grading:	Pass/Fail	Course Format:	Research/Scholarly Activity
Enrollment:	Min: 1 Max: 99	Location:	Away
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.		
Restrictions:	Not available sections 49-50		

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. International sites must be pre-approved by Student Life. There may be additional requirements for these.

Course Activities: Determined by the student and the Principal Investigator they are working with.