ANES8000  Clinical Anesthesiology

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

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

Sub-I: No  Approval Required: No  Semester Offered: Summer; Fall; Spring
Grading: Honor/High Pass or Pass/Fail (<4 wks)
Sections Available: Available in all sections
Prerequisites/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 throughout the peri-operative period. Students will be under direct supervision by Anesthesiology residents as well as Faculty attendings.

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

ANES8001  Surgery Intensive Care Sub-I

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

Course Director: Fareed Azam
Course Director email: fareedul.azam@ucdenver.edu

Sub-I: Yes  Approval Required: No  Semester Offered: Summer; Fall; Spring
Grading: Honor/High Pass  Course Format: Clinical
Sections Available: Available in all sections  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/Yes  Int’l/ Yes
Prerequisites/Restrictions: Contact Dr. Azam via email Friday prior to starting (fareedul.azam@ucdenver.edu) for orientation information.

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.

Duration: 4 weeks  Enrollment Min: 1  Max: 3

Approval Required: No  Semester 2-Wk Offered:
Grading: Honor/High Pass  Location: CHCO, DHMC
Course Format: Clinical  Location: UCH
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.
ANES8002  *Anesthesia Subspecialties*  

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

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

**Duration:** 2 or 4 weeks  
**Enrollment** Min: 1 Max: 4  
**Coordinator:** Krystle Wetherbee  
**Course Director:** Bryan Ahlgren  
**krystle.wetherbee@ucdenver.edu**  
**bryan.ahlgren@ucdenver.edu**

Sub-I: No  
Approval Required: No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Honor/High Pass or Pass/Fail (<4 wks)  
**Course Format** Clinical  
**Location:**  
**Sections Available:** Available in all sections  
Longitudinal Course: No  
Accept Visiting Students: MD/Yes DO/Yes Int'l/ Yes  
**Prerequisites/Restrictions:** Course will be offered in all sections.

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ANES8600  *Research in Anesthesiology*  

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

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

**Duration:** 2, 4, 8 weeks  
**Enrollment** Min: 0 Max: 99  
**Coordinator:** Krystle Wetherbee  
**Course Director:**  
**krystle.wetherbee@ucdenver.edu**

Sub-I: No  
Approval Required: Yes  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Pass/Fail  
**Course Format** Research/Scholarly Activity  
**Location:**  
**Sections Available:** Available in all sections  
Longitudinal Course: No  
Accept Visiting Students: MD/Yes DO/Yes Int'l/ Yes  
**Prerequisites/Restrictions:** Individual arrangements must be completed then Department approval must be obtained, then approval by the Assistant Dean for Student Affairs. Arrangements must be completed at least one month in advance of start.

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

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

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**Dermatology**

DERM8001  *Dermatology Clerkship*  

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

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

**Duration:** 4 weeks  
**Enrollment** Min: 1 Max:  
**Coordinator:** Julie Clark  
**Course Director:** Cory Dunnick  
**julie.clark@ucdenver.edu**  
**cory.dunnick@ucdenver.edu**

Sub-I: No  
Approval Required: No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All  
**Grading:**  
**Course Format** Clinical  
**Location:**  
**Sections Available:** Available in all sections  
Longitudinal Course: No  
Accept Visiting Students: MD/Yes DO/No Int'l/ No  
**Prerequisites/Restrictions:** 4 week rotations only

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Revised: 2/3/2017
DERM8600  Research in Dermatology

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

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

Coordinator: Julie Clark  
cory.dunnick@ucdenver.edu

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

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

Grading: Pass/Fail  Duration: 2, 4, 8 or 12 weeks

Location: Research/Scholarly Activity  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/No  Int'l/ No

Approval Required: Yes

Prerequisites/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.

Emergency Medicine

EMED8004  Emergency Med Univ Hosp

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.

Coordinator: Katie Rowan  
michael.overbeck@ucdenver.edu

Course Director: Michael Overbeck  
michael.overbeck@ucdenver.edu

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

Grading: Honor/High Pass or Pass/Fail (<4 wks)  Duration: 2 or 4 weeks

Course Format: Clinical  Location: UCH

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

Prerequisites/Restrictions:

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

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.

Coordinator: Marie Bluitt  
marie.bluitt@dhha.org

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

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

Grading: Honor/High Pass  Duration: 4 weeks

Course Format: Clinical  Location: DHMC

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

Prerequisites/Restrictions:

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  Emergency Medicine Career  Duration: 4 weeks  Enrollment Min: 1  Max: 14

Coordinator:  Marie Bluitt  Course Director:  David Richards
marie.bluitt@dhha.org  david.richards@dhha.org

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

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

Sections Available: Available Sections 1-32  Longitudinal Course: No  Accept Visiting Students: MD/Yes DO/Yes Int'l/ No

Prerequisites/ Restrictions:  Available to Emergency Medicine Career track students through Section 32.  Additional Information:  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.

Description:  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.

Course Activities:  

EMED8017  Peds Emergency DHMC  Duration: 2 or 4 weeks  Enrollment Min: 1  Max: 2

Coordinator:  Marie Bluitt  Course Director:  David Richards
marie.bluitt@dhha.org  david.richards@dhha.org

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

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

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

Prerequisites/ Restrictions:  Department approval must be obtained and then approval by the Associate Dean for Student Affairs.  Additional Information:  Experience at Denver Health Medical Center. See PEDS 8025 for experience at Children's Hospital Colorado.

Description:  Students will serve as the primary caregivers in the Denver Emergency Center for Children at Denver Health, a pediatric emergency department treating 30,000 children annually. Students will be fully integrated into the team, treating children with acute and urgent illnesses.

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

EMED8024  Clinical Toxicology  Duration: 4 weeks  Enrollment Min: 1  Max: 2

Coordinator:  Darlene Vigil  Course Director:  Chris Hoyte
darlene.vigil@rmpdc.org  christopher.hoyte@ucdenver.edu

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

Grading: Pass/Fail  Course Format: Clinical  Location:

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

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

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

Course Activities:  Students attend lectures and rounds every day. Student prepare a 10-20 minute presentation on a specific topic in toxicology. The topics must be pre-approved by one of the fellows or the attending. Students complete a 2 hour observation at Poison Center – listening in on calls with Poison Center nurse. Students also have chapter reviews and self-learning modules -- http://rmpdc.org/ResourceForResidentsandStudents.aspx. Students may assist in research activities. Taking call with the fellow is optional.
### EMED8031  Wilderness Medicine

**Description:**
Students will learn core wilderness medicine principles in small group and lecture-based formats then apply their knowledge to scenarios in wilderness settings. The course will spend the first week near Estes Park and the second week near Moab, UT.

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

**Coordinator:** Cathy Maciel  
[Email](mailto:cathy.maciel@ucdenver.edu)

**Course Director:** Barbara Blok  
[Email](mailto:barbara.blok@ucdenver.edu)

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### FMMD8002  Fam Med Univ Hosp Sub-I

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

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

**Coordinator:** Lisa Martinez  
[Email](mailto:lisa.p.martinez@ucdenver.edu)

**Course Director:** Jessica Devitt  
[Email](mailto:jessica.devitt@ucdenver.edu)

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### FMMD8007  Out-Patient Family Med

**Description:**
This course includes outpatient Family Medicine at A.F. Williams Family Medicine Center and Denver Health’s Lowry Family Medicine Clinic. Multidisciplinary faculty including pharmacologists, behavioral scientist, and experienced family physicians and residents care for a diverse group of patients.

**Course Activities:**
Students will engage in all patient care and team responsibilities and activities in the care of patients at AF Williams
IDPT8018  **Global Health & Disaster**

**Coordinator:** Michelle Shiver  
**Course Director:** Daniel Olson  
**michelle.shiver@ucdenver.edu**  
**danielolson@childrenscolorado.org**

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

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

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

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

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

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

IDPT8030  **Laboratory Medicine**

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

**Duration:** 4 weeks  
**Enrollment**  
Min: 1  
Max: 50

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

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

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

**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.
### MEDS8001  Medicine Sub-I

| Description: | The sub-intern functions as an intern and is responsible for the admission, evaluation, and continuing care of patients under the supervision of a Resident and an Attending. Sub-internships are offered at DHMC, P/SL, UCH, VAMC and St. Joseph's Hospital. |
| Course Activities: | During the Internal Medicine Sub-Internship, students are expected to advance their knowledge, skills and attitudes needed to provide medical care for hospitalized adult patients. It is expected that students will function more independently during their sub-internship than they did during their Phase 3 training. By the completion of the rotation, the sub-intern should be able to function at or near the level of an intern with respect to the objectives of the rotation. In general, the sub-intern will move beyond the observation and participation phase and into the role of the primary provider. |
| Duration: | 4 weeks |
| Enrollment | Min: 1  Max: 18 |
| Coordinator: | Angie Duet |
| angie.duet@ucdenver.edu |
| Course Director: | Adam Trosterman |
| adam.trosterman@ucdenver.edu |
| Sub-I: | Yes |
| Approval Required: | No |
| Grading: | Honor/High Pass |
| Semester Offered: | Summer; Fall; Spring |
| Course Format: | Clinical |
| Location: | UCH, DHMC, ESJH, PSL, VAMC |
| Sections Available: | Available in all sections |
| Longitudinal Course: | No |
| Accept Visiting Students: | MD/Yes  DO/Yes  Int’l/ No |
| Prerequisites/Restrictions: | Additional Information: |
| Sub-I: | Yes |
| Approval Required: | No |
| Grading: | Honor/High Pass |
| Semester Offered: | Summer; Fall; Spring |
| Course Format: | Clinical |
| Location: | UCH |
| Sections Available: | Available in all sections |
| Longitudinal Course: | No |
| Accept Visiting Students: | MD/Yes  DO/Yes  Int’l/ No |
| Prerequisites/Restrictions: | Additional Information: |
| Description: | Experience hospitalist medicine first hand by working one-on-one with an attending and developing a quality improvement initiative. You will also gain the skills to excel from the start of intern year by being the primary provider for your patients. |
| Course Activities: | Students will be responsible for caring for up to 8 patients at a time on an inpatient medicine service. They will work directly with an attending hospitalist (no residents). This includes 4 nights of cross-coverage with an attending nocturnist (night hospitalist). Students will have a curriculum devoted to learning and practicing high value care including a didactic on the meaning of value in healthcare and they will complete a project looking at laboratory waste from an individual and systems perspective. Students will also be required to complete the standard Sub-Internship requirements as outlined by the School of Medicine. |

### MEDS8002  Hospital Medicine Sub-I

| Description: | In addition to advancing the knowledge, skills, and attitudes introduced in the Hospitalized Adult Care Block, this course will expand on the concepts of high value care and allow students to practice this first hand. |
| Course Activities: | 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. |
| Duration: | 4 weeks |
| Enrollment | Min: 0  Max: 1 |
| Coordinator: | Emilie Keeton |
| emilie.keeton@ucdenver.edu |
| Course Director: | Chris King |
| christopher.king@ucdenver.edu |
| Sub-I: | Yes |
| Approval Required: | No |
| Grading: | Honor/High Pass |
| Semester Offered: | Summer; Fall; Spring |
| Course Format: | Clinical |
| Location: | UCH |
| Sections Available: | Available in all sections |
| Longitudinal Course: | No |
| Accept Visiting Students: | MD/Yes  DO/Yes  Int’l/ No |
| Prerequisites/Restrictions: | Additional Information: |
**MEDS8006  Allergy/Clin Immunology**

**Course Director:** Jeanne Kittle  
[jeanne.kittle@ucdenver.edu](mailto:jeanne.kittle@ucdenver.edu)

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

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

**Coordinator:** Jenny Stitt  
[jenny.stitt@ucdenver.edu](mailto:jenny.stitt@ucdenver.edu)

**Grading:** Pass/Fail

**Duration:** 2 or 4 weeks

**Enrollment**

- **Min:** 1
- **Max:** 1

**Coordinators:** Jeanne Kittle  
[jjeanne.kittle@ucdenver.edu](mailto:jeanne.kittle@ucdenver.edu)

**Course Director:** Jenny Stitt  
[jenny.stitt@ucdenver.edu](mailto:jenny.stitt@ucdenver.edu)

**Approval Required:** Yes

**Semester Offered:** Fall; Spring

**Semester 2-Wk Offered:** All

**Sections Available:** Available in sections 17, 21, 25, 33, 37, 45 and 48

**Longitudinal Course:** No

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

**Additional Information:**

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

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

**Coordinator:** Debbie Hunt  
[deborah.2.hunt@ucdenver.edu](mailto:deborah.2.hunt@ucdenver.edu)

**Course Director:** James Cooper  
[james.cooper@ucdenver.edu](mailto:james.cooper@ucdenver.edu)

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

**Semester 2-Wk Offered:** All

**Locations:**

- **Longitudinal Course:** No

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

**Additional Information:**

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

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

**Coordinator:** Debbie Hunt  
[deborah.2.hunt@ucdenver.edu](mailto:deborah.2.hunt@ucdenver.edu)

**Course Director:** James Cooper  
[james.cooper@ucdenver.edu](mailto:james.cooper@ucdenver.edu)

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

**Semester 2-Wk Offered:** All

**Sections Available:** Not available Sections 9 and 11

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

**Sections Available:** Not available Sections 9 and 11

**Additional Information:**

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

- **Course Activities:** This elective consists of both inpatient and outpatient nephrology experience. Students will participate in 1) 2 weeks of inpatient renal consult-based medicine at either Denver Health Medical Center or University Hospital where students can expect to perform initial consults and follow up care for frequently encountered inpatient renal disorders as part of a team; and 2) 1 week of ambulatory nephrology and renal transplant clinic experience which involves a diverse combination of clinics.
MEDS8009  Clin Infectious Diseases  Duration: 2 or 4 weeks  Enrollment Min: 1  Max: 4  

Coordinator:  Ashley Runyan  
ashley.runyan@ucdenver.edu  

Course Director:  J. David Beckham  
david.beckham@ucdenver.edu  

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

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

Course Format:  Clinical  

Location:  UCH  

Sections Available: Available in all sections  

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

Prerequisites/Restrictions:  

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  Enrollment Min: 1  Max: 2  

Coordinator:  Jade Nguyen  
jade.nguyenle@ucdenver.edu  

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

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

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

Course Format:  Clinical  

Location:  UCH, DH, VA  

Sections Available: Available in all sections  

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

Prerequisites/Restrictions:  

Description:  Students will participate in work up of both hospitalized and ambulatory patients with gastrointestinal (GI) illnesses. GI pathophysiology will be emphasized. Students attend weekly conferences in clinical gastroenterology, radiology and pathology. They are invited to observe procedures. Hospital is assigned.  

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

MEDS8011  Pulmonary Medicine  Duration: 4 weeks  Enrollment Min: 1  Max: 2  

Coordinator:  Andy Nellis  
andy.nellis@ucdenver.edu  

Course Director:  Joseph Crossno  
joseph.crossno@ucdenver.edu  

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

Grading:  Honor/High Pass  

Course Format:  Clinical  

Location:  UCH  

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

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

Prerequisites/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 subspecialist’s realm.  

Revised:  2/3/2017
**MEDS8012  Clinical Rheumatology**

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

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

**Coordinator:** Shirley Hanson
**Course Director:** Robert Janson
**shirley.hanson@ucdenver.edu**
**robert.janson@ucdenver.edu**

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

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

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

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

**Prerequisites/Restrictions:**
- Additional Information:
  - Course offered at UCH, VA, and DH

**Coordinator:** Kate Burns
**Course Director:** Cecilia Low Wang
**kate.burns@ucdenver.edu**
**cecilia.lowwang@ucdenver.edu**

**MEDS8013  Endocrinology**

**Description:**
Introduction to evaluation and management of endocrine disorders via outpatient clinics and inpatient consults at VAMC, DHMC, UCH. Endocrine-focused history-taking and physical examination with a complete problem-oriented approach to patient care. Multiple conferences and close interaction with fellows and attendings.

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

**Coordinator:** Kate Burns
**Course Director:** Cecilia Low Wang
**kate.burns@ucdenver.edu**
**cecilia.lowwang@ucdenver.edu**

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

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

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

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

**Prerequisites/Restrictions:**
- 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.
  - 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:**
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.

**Coordinator:** Kate Burns
**Course Director:** Cecilia Low Wang
**kate.burns@ucdenver.edu**
**cecilia.lowwang@ucdenver.edu**

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

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

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

**Prerequisites/Restrictions:**
- 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.
**MEDS8014  Hematology / Oncology**

**Coordinator:** Evelyn Barnes  
[mailto:evelyn.barnes@ucdenver.edu](mailto:evelyn.barnes@ucdenver.edu)

**Course Director:** Jonathan Gutman  
[jonathan.gutman@ucdenver.edu](mailto:jonathan.gutman@ucdenver.edu)

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

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

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

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

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

**Sections Available:** Available in all sections

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

**Prerequisites/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.

---

**MEDS8023  Medicine Consult**

**Coordinator:** Mary Anderson  
[mailto:mary.anderson@ucdenver.edu](mailto:mary.anderson@ucdenver.edu)

**Course Director:**

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

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

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

**Grading:** Pass/Fail

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

**Sections Available:** Not Available Sections 41-42

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

**Prerequisites/Restrictions:**

**Description:** Medicine Consult is for students interested in learning about the medical issues of surgical patients and performing general medical consultations for non-medical services. This elective will be useful to the student interested in a career in hospital medicine or surgical subspecialties.

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

---

**MEDS8025  Medical Oncology**

**Coordinator:** Elizabeth Kessler  
[mailto:elizabeth.kessler@ucdenver.edu](mailto:elizabeth.kessler@ucdenver.edu)

**Course Director:**

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

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

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

**Grading:** Honor/High Pass

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

**Sections Available:** Available in all sections

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

**Prerequisites/Restrictions:**

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

**Course Activities:** Students will attend 10 clinic sessions per week, seeing patients both independently and with the attending.
**MEDS8037  Medical ICU - UCH**

Duration: 4 weeks

Coordinator: Michelle Kerklo  
michelle.kerklo@ucdenver.edu

Course Director: Ellen Burnham  
ellen.burnham@ucdenver.edu

Sub-I: No  
Approval Required: No

Semester Offered: Summer;Fall;Spring

Semester 2-Wk Offered:  
Course Format: Clinical

Location: UCH

Grading: Honor/High Pass

Sections Available: Available in all sections

Longitudinal Course: No

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

Prerequisites/Restrictions: Sub I in Medicine or Surgery.

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 Elective**

Duration: 2 or 4 weeks

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

Sub-I: No

Approval Required: Yes

Semester Offered: Summer;Fall;Spring

Semester 2-Wk Offered: All

Grading: Pass/Fail

Course Format: Didactic

Location:  

Sections Available: Available in all sections

Longitudinal Course: No

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

Prerequisites/Restrictions: Course director approval required to add this course.

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

Course Activities: TWO WEEK elective (FOUR WEEK in parenthesis):

1.10 (20) half day shadowing experiences of CAM practitioners

2. Didactic sessions watched or attended

3.3 (4) “field trips” – secret shopper trip, meditation retreat, community lecture, patient experience at local school of TCM or massage therapy, time in the Health Sciences Library’s Strauss Indigenous Medicine Collection, shadowing another outside provider

4.6 (10) online education modules

5. Personal wellness/self-care goals and activities

6. Personal research final project to be presented to fellow students – either a 2-3 page written review with references or PowerPoint presentation with references

Revised: 2/3/2017
MEDS8039  AIDS and American Culture

Duration: 2 weeks          Enrollment: Min: 6  Max: 30

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

Sub-I:  No  Approval Required:  Yes  Semester Offered:  Spring  Semester 2-Wk Offered:  Spring
Grading:  Pass/Fail  Course Format:  Didactic  Location:  SOM
Sections Available:  Available Section 47-48  Longitudinal Course:  No
Accept Visiting Students:  MD/Yes  DO/Yes  Int'l/ Yes
Prerequisites/Restrictions:  Additional  Information:
Description:  This course approaches HIV/AIDS as a biomedical, social, political and creative phenomenon. We will investigate the discourse and images of AIDS in journalistic writing, autobiography, fiction, poetry, film, television and photography.
Course Activities:  Attend and participate in discussion of assigned materials. Prepare and present brief commentaries on HIV/AIDS outside of the US and on major figures in the epidemic. Complete a 5-7 page analysis/discussion of a cultural or clinical aspect of HIV or a creative expression such as a personal essay, story, or original poetry.

MEDS8040  Film and Mental Illness

Duration: 2 weeks          Enrollment: Min: 6  Max: 40

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

Sub-I:  No  Approval Required:  Yes  Semester Offered:  Spring  Semester 2-Wk Offered:  Spring
Grading:  Pass/Fail  Course Format:  Didactic  Location:  SOM
Sections Available:  Available Section 43-44  Longitudinal Course:  No
Accept Visiting Students:  MD/Yes  DO/Yes  Int'l/ Yes
Prerequisites/Restrictions:  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 Activities:  Required attendance and participation in the discussion of selected films which are screened during class and selected reading materials. Presentation of a brief commentary on one of the selected readings for the class. Completion of a 5-7 page analysis/discussion of one or more films in relation to themes, characters, and cinematic techniques.

Neurology

NEUR8000  Neurology

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

Coordinator:  Kirsten Kamna  Course Director:  Pearce Korb
kirsten.kamna@ucdenver.edu  pearce.korb@ucdenver.edu

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

**NSUR8014 Neurosurgery Sub-I**

**Coordinator:** Sophie Eggert  
**Course Director:** Yasuaki Harasaki  
**Coordinator Email:** sophie.eggert@ucdenver.edu  
**Course Director Email:** yasuaki.harasaki@dhha.org  
**Sub-I:** Yes  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Grading:** Honor/High Pass  
**Sections Available:** Available in all sections  
**Prerequisites/Restrictions:** USMLE Step 1 score 215 or higher required

**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.

Obstetrics And Gynecology

**OBGY8000 General Obstetrics Sub-I**

**Coordinator:** Deborah Jackson  
**Course Director:** Jennifer Hyer  
**Coordinator Email:** deborah.jackson@ucdenver.edu  
**Course Director Email:** jennifer.hyer@dhha.org  
**Sub-I:** Yes  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Grading:** Honor/High Pass  
**Sections Available:** Available in all sections  
**Prerequisites/Restrictions:**

**Description:** Offered at DHMC only. Includes experience in outpatient high risk obstetrics, inpatient antepartum, intrapartum, postpartum, and family planning. Student works under clinical supervision of residents and attending staff.

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

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

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

High Risk Maternal/Fet Sub-I

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

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

Gynecologic Oncology Sub-I

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

Course Activities: The student will attend GynOnc clinics, scrub in on GynOnc surgical cases, and round on inpatients with the team, functioning as an acting intern. The student will attend pathology conference weekly with the team. Student will be required to perform a literature review and talk on a selected topic and will have an oral exam at the end of the rotation. Clinical research opportunities are available.
### OBGY8012  UH Gynecology Sub-I

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

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

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

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

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

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### OPHT8000  Ophthalmology

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

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

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

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

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

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### ORTH8000  Orthopaedic Surgery Sub-I

**Description:** This course is designed as an elective in Orthopaedic Surgery for students desiring residency training in Orthopaedics or another surgical specialty. The student will function as a "sub-intern" on a resident/faculty team in two hospital settings.

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

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

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| Sections Available | Longitudinal Course | Accept Visiting Students | |
|-------------------|---------------------|--------------------------|
| Available Sections 5-32 | No | MD/Yes DO/Yes Int'l/ Yes |

**Prerequisites/Restrictions:** Additional Information:  
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.
### Otolaryngology

**OTOL8000 Clinical Otolaryngology**

**Description:** For students strongly considering an ENT career. Offers in-depth clinical and operative exposure. Also useful for those seeking primary care to further hone head and neck exam skills and treatment of ENT pathology.

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

**Duration:** 2 or 4 weeks  
**Enrollment**  
**Coordinator:** Ellen Ricker  
ellen.ricker@ucdenver.edu  
**Course Director:** Adam Terella  
adam.terella@ucdenver.edu  
**Approval Required:** No  
**Grading:** Honor/High Pass or Pass/Fail (<4 wks)  
**Semester Offered:** Summer; Fall;  
**Semester 2-Wk Offered:**  
**Sections Available:** Available in sections 1, 5, 9, 13, and 17  
**Course Format:** Clinical  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/ Yes  
DO/ No  
Int'l/ No  
**Prerequisites/ Restrictions:** Otolaryngology residency should select the 4 week block. 2 Week rotations require director approval.

**Description:** For students strongly considering an ENT career. Offers in-depth clinical and operative exposure. Also useful for those seeking primary care to further hone head and neck exam skills and treatment of ENT pathology.

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

### Pathology

**PATH8000 Pathology**

**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.
**PEDS8000  Pediatric Sub-I**

**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.

**Course Activities:** Students are expected to be present and prepared for all daily patient-related activities and learning experiences. There is night and weekend call during this rotation.

**Coordinator:** Michael Baca  
**Course Director:** Jennifer Soep  
**michael.baca@childrenscolorado.org**  
**jennifer.soep@ucdenver.edu**

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

**Grading:** Honor/High Pass  
**Course Format:** Clinical  
**Location:** CHCO, DH

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

**Prerequisites/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.

**Course Activities:** Students are expected to be present and prepared for all daily patient-related activities and learning experiences. There is night and weekend call during this rotation.

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**PEDS8004  Pediatric Cardiology**

**Description:** This elective provides an opportunity to become acquainted with the special diagnostic and therapeutic problems of the infant and child with heart disease. Diagnosis by history, physical examination, electrocardiography, chest x-ray, echocardiography, and cardiac catheterization will be stressed. Discriminations between significant and insignificant findings and murmurs will be taught and the medical management and rationale behind selection of patients for surgery will be covered. The student may make rounds with the cardiology team, see consults, attend outpatient clinics, and participate in conferences.

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

**Coordinator:** Michael Baca  
**Course Director:** Michael Schaffer  
**michael.baca@childrenscolorado.org**  
**michael.schaffer@childrenscolorado.org**

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

**Grading:** Honor/High Pass  
**Course Format:** Clinical  
**Location:** CHCO, DH

**Sections Available:** Not available Section 49  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes  DO/Yes  Int'l/ Yes

**Prerequisites/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.

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

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**PEDS8005  Allergy and Immunology CHCO**

**Description:** The student will work alongside allergy and immunology providers and share in the care of patients from clinic, as well as inpatient 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 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.

**Coordinator:** Michael Baca  
**Course Director:** Daniel Searing  
**michael.baca@childrenscolorado.org**  
**daniel.searing@ucdenver.edu**

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

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

**Sections Available:** Available in Sections 1, 5, 33, 37, 45  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes  DO/Yes  Int'l/ Yes

**Prerequisites/Restrictions:**

- **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 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 and Allergy**

**Description:**
Students participate in the care of outpatients at National Jewish, attend lectures, rounds and conferences. Opportunities provided to observe laboratory procedures in immunology and pulmonary physiology laboratories.

**Coordinator:** Diana Nabighian

**Course Director:** Nathan Rabinovitch

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

**Grading:** Honor/High Pass  
**Course Format:** Clinical  
**Location:** NJ  
**Sections Available:** Only available in sections 1 and 5 and 33-49.

**Prerequisites/Restrictions:**

**Description:**

**Duration:** 4 weeks  
**Enrollment Min:** 0  
**Max:** 1

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**PEDS8007 Child Abuse and Neglect**

**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.

**Coordinator:** Michael Baca

**Course Director:** Andrew Sirotnak

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

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

**Sections Available:** Not available Sections 9-12  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes DO/Yes Int'l/ Yes

**Prerequisites/Restrictions:**

**Description:**

**Duration:** 4 weeks  
**Enrollment Min:** 0  
**Max:** 1

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**PEDS8008 Birth Defects/ Genetics**

**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.

**Coordinator:** Michael Baca

**Course Director:** Margarita Saenz

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

**Grading:** Honor/High Pass  
**Course Format:** Clinical  
**Location:** CHCO  
**Sections Available:** Not available sections 49-51  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes DO/Yes Int'l/ Yes

**Prerequisites/Restrictions:**

**Description:**

**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.

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

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.

Duration: 2 or 4 weeks  
Enrollment Min: 0  Max: 1

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

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

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

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

Prerequisites/Restrictions: Additional Information:

**PEDS8011  Pediatric Pulmonary**

Description: Basic knowledge in pediatric pulmonary physiology and disease will be provided. The student will attend rounds, clinics, and weekly conferences and participate in hospital consultations. Students will be expected to present a case discussion on a pediatric pulmonary topic.

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

Duration: 4 weeks  
Enrollment Min: 0  Max: 1

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

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

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

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

Prerequisites/Restrictions: Additional Information:

**PEDS8012  Pediatric Neurology**

Description: Child Neurology provides students with the opportunity to gain experience evaluating children with a wide variety of neurological problems. Students will round on hospital and clinic patients, complete assigned readings and attend Neurology grand rounds.

Duration: 4 weeks  
Enrollment Min: 0  Max: 2

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

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

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

Sections Available: Not available in sections 41 or 49  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/Yes  Int'l/ Yes

Prerequisites/Restrictions: Additional Information:
PEDS8013  Pediatric Endocrinology

Description: Patients with abnormalities of growth and sexual development, thyroid disorders, and diabetes mellitus are evaluated and treated. Extended diagnostic testing and management are conducted on ward rounds, in endocrine and diabetes clinics, and in clinical research clinics.

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

Coordinator: Michael Baca
Course Director: Christine Chan

Sub-I: No  Approval Required: No  Semester Offered: Summer; Fall; Spring  Semester 2-Wk Offered:
Grading: Honor/High Pass or Pass/Fail (<4 wks)  Course Format: Clinical  Location: CHCO
Sections Available: Not available sections 49-51  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/Yes  Int’l/ Yes
Prerequisites/Restrictions: Additional Information:

PEDS8015  Pediatric Neonatology Sub-I

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

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.

Coordinator: Michael Baca
Course Director: Danielle Smith

Sub-I: Yes  Approval Required: No  Semester Offered: Summer; Fall; Spring  Semester 2-Wk Offered:
Grading: Honor/High Pass  Course Format: Clinical  Location: CHCO, DH
Sections Available: Not available in sections 41 or 49  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/Yes  Int’l/ Yes
Prerequisites/Restrictions: Additional Information:

PEDS8018  General Academic Peds

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

Course Activities: Students are expected to attend 8am daily didactic teaching sessions as well as noon conference and morning reports. Students will be seeing patients from 9:30 to approximately 5pm each day. Most learning is done at the bedside and through discussions about patients with their attendings.

Coordinator: Michael Baca
Course Director: Christina Suh

Sub-I: No  Approval Required: No  Semester Offered: Summer; Fall; Spring  Semester 2-Wk Offered:
Grading: Honor/High Pass or Pass/Fail (<4 wks)  Course Format: Clinical  Location: CHCO
Sections Available: Not available sections 49-51  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/Yes  Int’l/ Yes
Prerequisites/Restrictions: Additional Information:
PEDS8021  Pediatric Disability Medicine

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

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

Coordinator: Michael Baca
Course Director: Ellen Elias

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

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

Prerequisites/Restrictions:
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

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

Coordinator: Michael Baca
Course Director: Edward Hoffenberg

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

Sections Available: Not available sections 9 or 49-51  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/Yes  Int’l/ Yes

Prerequisites/Restrictions:
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-Procedures Unit Tuesday am-Fellows rounds 7:30-8 Tuesday am-IBD clinic or Eosinophilic disorders clinic Tuesday pm-Intestinal Rehab clinic. Wednesday am-Interventional procedure block Wednesday pm-celiac disease clinic Wednesday 4-6 conferences: radiology, pathology, research, topic, journal club Thursday am-General GI clinic Thursday pm-choice of: GI clinic, procedures, reading Friday am-General GI clinic or IBD clinic Friday pm-procedures, reading, other There are options to attend liver, eosinophilic disorders, and IBD team meetings weekly. Inpatient week is different in that you will go on rounds with the GI or Liver team as well as the consultation team. In addition, there will be opportunity to see patients in GI clinic and urgent clinics. Students will gain experience in the GI or liver focused physical examination including of ano-rectal malformations, performing digital rectal examinations, abdominal exams.
**PEDS8024  Child Development Behavior**

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.

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

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

Sections Available: Not available sections 29 and 49-51  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/Yes  Int'l/ Yes

Prerequisites/ Restrictions: Additional Information:

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

**PEDS8025  Peds Emergency Medicine**

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

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

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

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

Sections Available: Not available sections 47-51  Longitudinal Course: No  Accept Visiting Students: MD/Yes  DO/Yes  Int'l/ Yes

Prerequisites/ Restrictions: Additional Information:

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

Revised: 2/3/2017
**PEDS8026 Pediatric Nephrology**

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

**Course Activities:** This is a combined inpatient and outpatient rotation. Students will act as a member of the inpatient renal consult service and also attend nephrology ward rounds. The student will also see patients in the outpatient setting. Responsibilities include:

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)

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/Consults PM Reading/Cases/Consults

**Duration:** 2 or 4 weeks

**Coordinator:** Michael Baca

**Course Director:** Melisha Hanna

**Course Offerings:**
- **Sub-I:** No
- **Semester Offered:** Summer, Fall, Spring
- **Semester 2-Wk Offered:** Spring

**Grading:** Honor/High Pass

**Location:** CHCO

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

**Approval Required:** No

**Prerequisites/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 Activities:** This is a combined inpatient and outpatient rotation. Students will act as a member of the inpatient renal consult service and also attend nephrology ward rounds. The student will also see patients in the outpatient setting. Responsibilities include:

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)

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/Consults PM Reading/Cases/Consults

**PEDS8027 Pediatric ICU Sub-I**

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

**Duration:** 4 weeks

**Coordinator:** Michael Baca

**Course Director:** Angela Czaja

**Course Offerings:**
- **Sub-I:** Yes
- **Semester Offered:** Summer, Fall, Spring
- **Semester 2-Wk Offered:**

**Grading:** Honor/High Pass

**Location:** CHCO

**Sections Available:** Available in all sections

**Approval Required:** No

**Prerequisites/Restrictions:** Visiting students will be vetted by faculty.

**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.
### PEDS8030  Vaccination in Pediatrics

**Description:** Students develop extensive knowledge in ambulatory general pediatrics with an emphasis on vaccine preventable diseases. Experiences include didactics on vaccination, vaccine screening, advocacy, and report writing. Exposure to laboratory vaccine research supported but requires availability.

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

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

**Coordinator:** Michael Baca  
**Course Director:** Sean O'Leary

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

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

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

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

**Prerequisites/Restrictions:** Additional Information: Students rotate at CHCO and outpatient community physician’s office

### PEDS8031  Pediatric Hematology/Oncology

**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.

**Duration:** 4 weeks  
**Enrollment** Min: 0  Max: 1

**Coordinator:** Michael Baca  
**Course Director:** Brian Greffe

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

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

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

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

**Prerequisites/Restrictions:** Additional Information:  

### PEDS8032  Pediatric Radiology

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

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

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

**Coordinator:** Michael Baca  
**Course Director:** Kari Hayes

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

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

**Sections Available:** Available in all sections

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

**Prerequisites/Restrictions:** Additional Information: Students rotate at CHCO and DH

Revised: 2/3/2017
### Physical Medicine And Rehabilitation

**PHMD8000  Physical Med & Rehab**

**Coordinator:** Mallory Pridy  
mallory.pridy@ucdenver.edu

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

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

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

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

**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.

### Preventive Medicine

**PRMD8006  Dir Study Ethics/Humanities**

**Coordinator:** Please contact the Course Director  
**Course Director:** Jackie Glover  
jackie.glover@ucdenver.edu

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

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

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

**Prerequisites/Restrictions:** Course Director approval required to add course.  
**Additional Information:**

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

**Course Activities:** Students will complete a final project, either written or presented.
### PSYM8000  **Advanced Inpatient Psychiatry**

**Coordinator:** Sharon Campbell  
*sharon.campbell@ucdenver.edu*

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

**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Course Format:** Clinical  
**Longitudinal Course:** No  
**Location:** VA, DHMC  
**Accept Visiting Students:** MD/Yes  DO/Yes  Int’l/Yes

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

**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.

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### PSYM8001  **Big Six Substance Prob**

**Coordinator:** Elisa Upwood  
*elisa.upwood@ucdenver.edu*

**Course Director:** Paula Riggs  
*paula.riggs@ucdenver.edu*

**Sub-I:** No  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Course Format:** Clinical  
**Location:** ARTS - Addiction Research and Treatment Services  
**Accept Visiting Students:** MD/Yes  DO/Yes  Int’l/Yes

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

**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.
PSYM8004  Advanced Child and Adolescent Inpatient Psychiatry  
**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.

Coordinator: Sharon Campbell  
Course Director: Abraham Nussbaum  
sharon.campbell@ucdenver.edu  
abraham.nussbaum@dhha.org

Sub-I: No  
Approval Required: No  
Semester Offered: Summer; Fall; Spring  
Semester 2-Wk Offered:  
Grading: Honor/High Pass  
Course Format: Clinical  
Location: DHMC, CHCO

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

PSYM8006  Clinical PSYM Consultation/Liaison  
**Description:** Consultation-Liaison Psychiatry, a board-certified subspecialty, combines knowledge of medical illnesses, psychotherapy, and psychopharmacology, with an ability to forge liaisons within the medical community. Students evaluate and aid patients with psychiatric disorders within medical settings as part of an interdisciplinary team.

**Course Activities:**
1. Diagnose patients using DSM-5 criteria.
2. Formulate patients using developmental, psychological, and biological perspectives.
3. Function at the level of a psychiatric intern.
4. Critically engage the evidence-based literature.
5. Learn motivational interviewing techniques for the engagement of patients with substance use disorders.
6. Appreciate the close relationship between medical and psychiatric illness and increase the ability to identify delirium and dementia and other syndromes requiring immediate medical intervention.

Additional details are available in the syllabus.

Coordinator: Sharon Campbell  
Course Director: Abraham Nussbaum  
sharon.campbell@ucdenver.edu  
abraham.nussbaum@dhha.org

Sub-I: No  
Approval Required: No  
Semester Offered: Summer; Fall; Spring  
Semester 2-Wk Offered:  
Grading: Honor/High Pass  
Course Format: Clinical  
Location: UCH, DHMC

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

Revised: 2/3/2017
**PSYM8007  Clinical PSYM Emergency Services**

**Description:**
The student will encounter, evaluate and treat a broad range of acute psychiatric difficulties while gaining an appreciation for the ways medical, psychiatric, and psychosocial problems interact in a dedicated psychiatric emergency department. Learn to intervene in a psychiatric crisis, to diagnose mental disorders, and to evaluate lethality.

**Course Activities:**
1. Review the American Psychiatric Association practice guidelines (if available) and other relevant peer-reviewed, evidence-based sources.
2. Diagnose patients using DSM-5 criteria.
3. Formulate patients using developmental, psychological, and biological perspectives.
4. Function at the level of a psychiatric intern.
5. Work effectively as an integral part of an multidisciplinary team.

Additional details are available in the syllabus.

**PSYM8008  Clinical PSYM Forensic**

**Description:**
An introduction to the clinical interface of psychiatry and law. Students participate in the evaluation of people entering pleas of incompetency to stand trial by reason of insanity as well as the treatment and restoration to competency process.

**Course Activities:**
1. Demonstrate capacity to complete one competency assessment interview under supervision of resident/attending.
2. Demonstrate capacity to complete one competency assessment report for the court.
3. Diagnose patients using DSM-5 criteria.
4. Formulate patients using developmental, psychological, and biological perspectives.
5. Function at the level of a psychiatric intern.

Additional details are available in the syllabus.
PSYM8009  Clinical PSYM Addiction

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

Course Activities:
1. Evaluate and diagnose substance use disorders in adults, using DSM-5 criteria.
2. For each assigned patient, develop and implement a treatment plan specific to substance use disorders.
3. Formulate patients using developmental, psychological, and biological perspectives.
4. Exhibit expertise and skill in working with and coordinating a multidisciplinary team for the treatment of a person with a substance use disorder.
5. Function at the level of a psychiatric intern.

Additional details are available in the syllabus.

Coordinator: Sharon Campbell  
sharon.campbell@ucdenver.edu
Course Director: Abraham Nussbaum  
abraham.nussbaum@dhha.org

Sub-I: No  
Approval Required: No  
Semester Offered: Summer; Fall; Spring  
Semester 2-Wk Offered:  
Grading: Honor/High Pass  
Course Format: Clinical  
Location: CeDAR
Sections Available: Available in all sections  
Longitudinal Course: No  
Accept Visiting Students: MD/Yes DO/Yes Int'l/ Yes

Prerequisites/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  Clinical PSYM Eating Disorders

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

Course Activities:  
1. Review the American Psychiatric Association practice guidelines and American Academy of Child & Adolescent Psychiatry practice parameters (if available) and other relevant peer-reviewed, evidence-based sources.
2. Diagnose patients using DSM-5 criteria.
3. Formulate patients using developmental, psychological, and biological perspectives.
4. Function at the level of a psychiatric intern.
5. Actively participate in clinical supervision to include readings, current literature reviews, case discussions, and discussions with team members on psychotherapeutic approaches to individual, group and family work.

Additional details are available in the syllabus.
## Radiation Oncology

### RAON8005  
**Radiation Oncology**

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

**Coordinator:** Sandra Korn  
[sendra.korn@ucdenver.edu](mailto:sandra.korn@ucdenver.edu)

**Course Director:** Christine Fisher  
[christine.fisher@ucdenver.edu](mailto:christine.fisher@ucdenver.edu)

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

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

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

**Location:** UCH, Anschutz Cancer Pavilion

**Sections Available:** Not Available Sections 25-32

**Prerequisites/Restrictions:**
- Additional Information:
  - 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.

### RAON8600  
**Research RAD Oncology**

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

**Coordinator:** Sandra Korn  
[sendra.korn@ucdenver.edu](mailto:sandra.korn@ucdenver.edu)

**Course Director:** Christine Fisher  
[christine.fisher@ucdenver.edu](mailto:christine.fisher@ucdenver.edu)

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

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

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

**Location:** UCH, Anschutz Cancer Pavilion

**Sections Available:** Available in all sections

**Prerequisites/Restrictions:**
- Additional Information:
  - Description: Radiation oncology research.

**Course Activities:** Attending educational lectures in research methods, radiation oncology clinical care, physics, and radiobiology

## Radiology

### RADI8000  
**Diagnostic Radiology**

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

**Coordinator:** Katelynn Weber  
[katelynn.2.weber@ucdenver.edu](mailto:katelynn.2.weber@ucdenver.edu)

**Course Director:** James Davidson  
[james.davidson@ucdenver.edu](mailto:james.davidson@ucdenver.edu)

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

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

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

**Location:** UCH

**Sections Available:** Not Available Sections 29 and 33

**Prerequisites/Restrictions:**
- Additional Information:
  - Description: An introduction to the interpretation of images and the role of diagnostic imaging in patient care. Clinical observation, lectures, and independent study at UH/AOP. Only 2 days of absence permitted for any reason.

**Course Activities:** Active work station assessment of both current patients and teaching file studies. Oral discussion of imaging of ED, ICU, inpatient and "must see-can't miss" radiographs. 3-hour evening call with current Body and Neuro Residents. Medical Student specific lectures given by Radiology faculty. Attend Noon conference and Proven Case Conference with Residents and Faculty

Revised: 2/3/2017
**RADI8002  Nuclear Medicine**  
**Duration:** 2 or 4 weeks  
**Coordinator:** Katelynn Weber  
katelynn.2.weber@ucdenver.edu  
**Course Director:** Jennifer Kwak  
jenennifer.kwak@ucdenver.edu  
**Sub-I:** No  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** Spring  
**Grading:** Honor/High Pass or Pass/Fail (<4 wks)  
**Course Format:** Clinical  
**Location:**  
**Sections Available:** Not Available Sections 29 and 33  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes  
**Prerequisites/Restrictions:**  
**Description:** Nuclear Medicine encompasses the various uses of radiopharmaceuticals in medical diagnosis and therapy. Students participate in the supervision and interpretation of nuclear medicine procedures under the guidance of the staff/residents at the AOP. Students will attend daily conferences.  
**Course Activities:** The medical student will shadow the radiology residents in the performance of their major duties. Students will be assigned Module 1, which are the goals and objectives given to first year radiology resident during their first month rotation in Nuclear Medicine.  

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**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  
**Approval Required:** Yes: for 2wk course  
**Semester Offered:** Summer; Fall; Spring  
**Semester 2-Wk Offered:** All  
**Grading:** Honor/High Pass or Pass/Fail (<4 wks)  
**Course Format:** Clinical  
**Location:** UCH  
**Sections Available:** Not Available Sections 45-48  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes  
**Prerequisites/Restrictions:**  
**Description:** Interventional Radiology is the diagnosis and treatment of disease conditions using minimally invasive image (Fluoroscopy, US, CT) guided procedures. The student will round with the team, participate in procedures, and attend daily conferences. Only 2 days of absence permitted in 4-week course and 1 day of absence in 2-week course.  
**Course Activities:** Medical students attend morning rounds with the IR attendings, fellows, residents, and physician assistants during which the cases for the day are discussed. Inpatients on the service are also discussed and ongoing clinical issues addressed. Students are to scrub in and assist on procedures throughout the day and are expected to follow 1-2 inpatients per week on the floor. Students will take weekday and/or weekend call. Students will use the PACS to review patient’s prior and current imaging and the EMR to review laboratory values and relevant clinical information. Students attend all IR conferences that include a weekly didactic IR conference and a multidisciplinary vascular medicine conference. They can also attend the daily radiology resident noon conference. “Bedside” learning and teaching occurs throughout the day and there are informal teaching sessions in between cases. Interventional radiology handbooks and texts are also readily available for additional or more in-depth learning.
### Research in Radiology

**Description:**
Phase 4 medical students perform clinical or basic science research under the supervision of a Radiology faculty member. Project is defined with individual mentor and approved by course director. Course is graded on a pass/fail basis.

**Course Activities:**
Students will work with a faculty member on a research project. Activities can include literature search, data collection and analysis, writing abstract, protocol, IRB application, and manuscript.

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

**Course Director:** Kimi Kondo  
kimi.kondo@ucdenver.edu

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

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

### Surgery

**SURG8000 Gen Surg Univ Sub-I**

**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.

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.

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

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

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

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

**Sections Available:** Available in all sections - Sections 9-25 have a total of 6 slots per rotation.

**Prerequisites/Restrictions:**
Max enrollment of only 5 in Sections 17, 21, 25 and 29
### SURG8001  Gen Surg DHMC Sub-I

**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.

**Coordinator:** Rhyan Passanante  
**Course Director:** Ryan Lawless  
**Approval Required:** Yes  
**Semester Offered:** Summer; Fall; Spring  
**Duration:** 4 weeks  
**Enrollment:** Min: 1  Max: 3  
**Course Format:** Clinical  
**Location:** DHMC  
**Sections Available:** Available in sections 1, 5, 9, 13, 17, 21, 25, 29, 33, 37 and 45.

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

### SURG8008  Cardiothoracic Surg Sub-I

**Description:** Adult cardiac and general thoracic surgery and critical care monitoring on the Cardiothoracic Service at UH and Denver VAMC. Students will participate in preoperative, operative and postoperative care.

**Coordinator:** Linsey Kasper  
**Course Director:** David Fullerton  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Duration:** 4 weeks  
**Enrollment:** Min: 1  Max: 2  
**Course Format:** Clinical  
**Location:** UCH  
**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes  DO/No  Int’l/ Yes

**Restrictions:**  
**Additional Information:** Location is UCH and VA

### SURG8010  Burn Critical Care/Surg

**Description:** Acting sub-intern on the Burn Service, works with Burn and related Surgical Critical Care cases. High level of patient care responsibility, including bedside procedures, burn care, and line changes. Works with attending faculty to gain a multidisciplinary approach to burns.

**Coordinator:** Trina Smidt  
**Course Director:** Anne Wagner  
**Approval Required:** No  
**Semester Offered:** Summer; Fall; Spring  
**Duration:** 4 weeks  
**Enrollment:** Min: 1  Max: 2  
**Course Format:** Clinical  
**Location:** UCH  
**Sections Available:** Available in all sections  
**Longitudinal Course:** No  
**Accept Visiting Students:** MD/Yes  DO/No  Int’l/ Yes

**Restrictions:**  
**Additional Information:**
SURG8011  Hand Surgery

Description: The students will participate in all aspects of the hand service including the emergency room, outpatient clinics, inpatient/outpatient operative and non-operative treatment. Emphasis is on acute hand and upper extremity diseases, trauma, their treatment and rehabilitation.

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

Duration: 4 weeks
Coordinator: Mandy Whitton
Course Director: Mickey Gordon
mandy.whitton@ucdenver.edu
mickey.gordon@ucdenver.edu

Sub-I: No  Approval Required: No  Semester Offered: Summer; Fall; Spring  Semester 2-Wk Offered:
Grading: Honor/High Pass or Pass/Fail (<4 wks)  Course Format Clinical  Location: UCH
Sections Available: Available in all sections  Longitudinal Course: No  Accept Visiting Students: MD/Yes DO/Yes Int'l/ Yes
Prerequisites/Restrictions: Additional Information: The students will participate in all aspects of the hand service including the emergency room, outpatient clinics, inpatient/outpatient operative and non-operative treatment. Emphasis is on acute hand and upper extremity diseases, trauma, their treatment and rehabilitation.

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

SURG8012  Urology Sub-I

Description: All students will rotate two weeks blocks at UCH, VA, CHCO, and DH. One week will be with the residents to familiarize yourself with the system and clinical practice. The second week you will be with an attending physician and will participate in clinic, the operating room and round on patients. All Urology Conferences are mandatory and you will be required to give a Grand Rounds presentation on a urology topic of your choice.

Course Activities: Students will participate in clinic, minor clinic procedures (cystoscopy, prostate biopsy, vasectomy, botox injections, circumcision, etc), urologic inpatient and outpatient surgeries, hospital consults and rounding on inpatients. The duration of the course is 4 weeks and will be divided into two week blocks at UCH, CHCO, or DH. The blocks will be divided into one week with the residents and one week with an assigned attending. The resident week will allow students to become familiar with the day to day responsibilities of urology residents and allow you to familiarize yourself with the hospital system. The second week will be with an assigned attending physician and you will be expected to function as their intern on their service and participate in their clinic, urologic surgeries and round on all of their inpatients. All Urology Conferences are mandatory and you will be required to give a Grand Rounds presentation on a urology topic of your choice.

Duration: 4 weeks
Coordinator: Ashley Lane
Course Director: Ty Higuchi
ashley.2.lane@ucdenver.edu
ty.higuchi@ucdenver.edu

Sub-I: Yes  Approval Required: Yes  Semester Offered: Summer; Fall;  Semester 2-Wk Offered:
Grading: Honor/High Pass  Course Format Clinical  Location: UCH
Sections Available: Available Sections 1-18  Longitudinal Course: No  Accept Visiting Students: MD/Yes DO/Yes Int'l/ No
Prerequisites/Restrictions: Additional Information: 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.

SURG8019  Plastic Surgery

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

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

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

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

Revised: 2/3/2017
SURG8021  Surgical Critical Care Sub-I

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

Coordinator: Rhyan Passanante  
rhyan.passanante@dhha.org

Course Director: Ryan Lawless  
ryan.lawless@dhha.org

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

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

Sections Available: Available in sections 1, 5, 9, 13, 17, 21, 25, 29, 33, 37 and 45.

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

Prerequisites/Restrictions: 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 patients.

SURG8030  Transplant Surgery

Description: The medical student will round with the transplant team, such as: surgeons, nephrologists, and hepatologists. They will be exposed to all aspects of transplant care including preoperative work up, such as: donor surgery, transplant surgery and post-operative care.

Coordinator: Bretlyn Davis  
bretlyn.davis@ucdenver.edu

Course Director: Kendra Conzen  
kendra.conzen@ucdenver.edu

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

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

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

Prerequisites/Restrictions: 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.