



Carver College  
of Medicine

## Course Descriptions for Visiting Students 2026

Courses listed have the potential to be available to visiting students but may not be available at time of application.

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# DEPARTMENT OF ANESTHESIA

**Director:** [Dr. Katherine Keech](#)  
[Dr. Shawn Simmons](#) - SNICU  
[Dr. Lee Kral](#) - Chronic Pain

**Contact:** Lorri Barnes  
8490 JCP  
319-384-9273  
lorri-barnes@uiowa.edu

## ANES:8401 Clinical Anesthesia Senior Rotation - 4 weeks

**Faculty:** Dr. Katherine Keech & Dr. Yasser El-Hattab & Staff

**Offered:** All blocks

**Administrative** Lorri Barnes

**Max** 4

**Contact:** 8490 JCP  
319-384-9273  
lorri-barnes@uiowa.edu

**Enrollment:**

**Report To:** See departmental email sent prior to rotation start

**Special Conditions:** Prerequisite: ANES:8301  
Max 3 seats: May, June, July, August, & September blocks

The student will: Build on the knowledge and experience gained from the two-week Anesthesia selective rotation (ANES:8301). Students will gain more advanced airway management skills. Students will encounter patients with complex medical and surgical conditions. The course will be tailored to meet the need and interest of the student; students will have an opportunity to spend extended time on subspecialty areas (OB labor and delivery, neuroanesthesia, cardiothoracic anesthesia, pediatric anesthesia, acute pain/regional anesthesia). Completion of an academic project (case report and discussion) presentation is a requirement.

### Course Objectives

This will be achieved through:

1. Preoperative, intraoperative, and postoperative care for patients undergoing surgical procedures.
2. Direct supervision by a staff anesthesiologist.
3. Attendance at conferences and teaching activities of the section, and completion of an academic project.

## ANES:8402 Surgical & Neurosciences Intensive Care - 4 weeks

**Faculty:** Dr. Shawn Simmons & Staff

**Offered:** All blocks

**Administrative** Lorri Barnes  
**Contact:** 8490 JCP

**Max** 12

**Enrollment:**

**Report To:** See departmental email sent prior to rotation start

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The student will:

1. Receive in-depth exposure to continuous invasive and non-invasive monitoring techniques including ECG, pulse oximetry, arterial blood pressure, central venous pressure, pulmonary artery pressure monitoring.
2. Gain experience in use of vasoactive drugs.
3. Gain experience in managing acid-base and fluid balance alterations associated with critical illnesses.
4. Be introduced to ventilatory management of critically ill patients.
5. Have exposure to critically ill patients.
6. Have exposure to numerous critical care patient populations (Surgical and Medical, including trauma, transplant, cardiovascular, neurological, etc.) and disease states in addition to offering a unique opportunity to work in the largest Surgical ICU and Neurosurgical ICU in the state of Iowa, as well as the Cardiovascular ICU.
7. Be exposed to the role of multi-disciplinary management teams with clinical nutrition service, physical therapy, and social work.

### **Course Objectives**

This will be achieved through:

1. Involvement in the care of critically ill patients in the Surgical and Neurosciences Intensive Care Unit (SNICU) and the Cardiovascular Intensive Care Unit (CVICU) under the supervision of residents, fellows and staff.
2. Participation during teaching rounds.
3. Attendance at conference seminars and teaching activities provided by the SNICU, CVICU, and COM Medical Education staff.

### **Additional Course Information**

Students are required to complete one 24-hour shift, and work one weekend shift during the rotation.

# DEPARTMENT OF CARDIOTHORACIC SURGERY

**Director:** [Dr. Mohsen Karimi](#)

**Contact:** [Jody Gingerich](#)

Clerkship Coordinator/Program Coordinator CT Fellowship &  
I-6 Residency  
500Z GH  
319-356-4518

## CTS:8401 Advanced Inpatient Sub-Internship in CT Surgery - 4 weeks

**Faculty:** Cardiac, Thoracic, Congenital

**Offered:** All blocks

**Administrative** Jody Gingerich  
**Contact:** [jody-gingerich@uiowa.edu](mailto:jody-gingerich@uiowa.edu)  
319-356-4518

**Max** 2  
**Enrollment:**

**Report To:** See ICON or departmental email.

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The student will participate in the diagnosis, preoperative, operative, and postoperative care of thoracic and cardiac patients. He/she will attend all scheduled conferences of the division. The student will assume responsibility and act as an intern. These students may concentrate their interest in either cardiac surgery or thoracic surgery. The student will be responsible for diagnosis and management of patients on an inpatient service under close supervision by an upper level resident and a faculty member.

### Course Objectives

The student will: 1) Increase his/her clinical skills by assuming a junior resident level of responsibility for management of a limited number of cardiothoracic patients. The student will increase their proficiency in perioperative patient assessment and management, assisting in procedures and interpret laboratory tests and diagnostic studies. The student's experiences will consist predominantly (>90%) of inpatient responsibilities.

This will be achieved by: 1) Working on Cardiac and Thoracic Surgery service as a Sub-Intern by taking night/weekend calls, attending clinics, participating in procedures, and post procedure patient management. The student will have similar responsibilities to a junior resident for their limited number of patients including (1) the daily assessments and documentation associated with inpatient care, (2) participation in procedures, (3) post-procedure documentation, and (4) writing orders, albeit under close supervision by the team's upper-level resident.

### Additional Course Information

At least one week prior to the clerkship, students must email Dr. Karimi /Jody Gingerich with two or more proposed realistic goals for their sub-internship month, which may be subject to change based on feasibility of the purposed goals. Near the middle/end of the clerkship, students will meet with Dr. Karimi addressing how their goals were or were not met. Jody will facilitate the student's meetings.

The student will attend all departmental resident conferences and present 15- minute case study towards the end of the rotation. In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

# DEPARTMENT OF DERMATOLOGY

**Director:** [Dr. Vincent Liu](#)

**Contact:** Tori Barnes  
40028 PFP  
319-384-5470

Kate Scheer  
40024 PFP  
319-356-1694

## DERM:8401 Dermatology Elective - 4 weeks

**Faculty:** Dr. Liu and Staff

**Offered:** All blocks

**Administrative** Tori Barnes

**Max** 2

**Contact:** 319-384-5470

**Enrollment:**

victoria-barnes@uiowa.edu

Kate Scheer

319-356-1694

kathryn-scheer@uiowa.edu

**Report To:** See ICON or departmental email

**Special Prerequisite:** DERM:8301  
**Conditions:**

The student will

1. acquire a deeper familiarity with basic skin anatomy, physiology and pathology;
2. understand the importance of morphology and description of diagnosing cutaneous disease;
3. learn how to perform and document a complete skin examination;
4. learn to generate appropriate differential diagnoses for skin conditions;
5. learn the most common and clinically most significant dermatologic conditions;
6. become familiar with fundamental dermatologic diagnostic techniques;
7. become familiar with minor skin surgical procedures; and
8. formulate appropriate plans for management of patients with dermatologic disease.

### Course Objectives

This will be achieved through experience

1. in the UIHC Dermatology Clinic and IRL Derm clinic
2. at Iowa City Veteran Affairs/VA Medical Center;
3. with specially scheduled surgery patients;
4. on the UIHC Dermatopathology Service; and
5. with inpatient consultations.

# DEPARTMENT OF EMERGENCY MEDICINE

**Director:** [Dr. Carly Theiler](#)  
[Dr. Kaila Pomeranz](#)

**Contact:** [Tori Clarke](#)  
0073 RCP  
319-356-3377

## EM:8401 Advanced Life Support Skills - 4 weeks

**Faculty:** Dr. Kaila Pomeranz

**Offered:** 7/6/26  
7/5/27

**Administrative** Tori Clarke  
**Contact:** 0073 RCP  
319-356-3377  
victoria-clarke@uiowa.edu

**Max** 20  
**Enrollment:**

**Report To:** See ICON or departmental email

**Special Conditions:** Grading is PASS/FAIL only

Prerequisite: Strong interest in Emergency Medicine.

Students will undergo an intensive program providing “basic training” in life support skills. This 4-week elective coincides with the emergency medicine intern orientation and is designed for the medical student with a strong interest in specializing in emergency medicine. The month is divided among lectures, demonstrations, skills labs, procedural workshops, small groups, high fidelity simulation, manikin training, cultural and diversity training, wilderness medicine, journal club, and patient care. Students will develop an advanced understanding of prehospital triage, transport, and initial stabilization of critically ill patients. Critical care procedures will be taught through procedural skills labs. Students will complete up to 5 clinical shifts in the Emergency Department at the University of Iowa Health Care Medical Center.

### Course Objectives

In the process of the course, students can become certified in Advanced Cardiac Life Support (ACLS) and Pediatric Advanced Life Support (PALS). These courses are optional.

Students will receive training in the recognition and management of common clinical problems as well as critical care training in trauma, respiratory emergencies, cardiovascular emergencies, neurologic emergencies, endocrine emergencies, and septic shock. In addition, special populations will be discussed including pediatrics and geriatrics. The rotation will also include a wilderness medicine race.

Nearly 100% of the faculty from the Department of Emergency Medicine will teach some aspect of this course, especially residency leadership with oversight by the course director.

## EM:8402 Emergency Medicine UIHC - 4 weeks

**Faculty:** Dr. Carly Theiler  
Dr. Kaila Pomeranz

**Offered:** Closed July, November & December  
Blocks

**Administrative** Tori Clarke  
**Contact:** 0073 RCP  
319-356-3377  
victoria-clarke@uiowa.edu

**Max** 5  
**Enrollment:**

**Report To:** See ICON or departmental email

**Special  
Conditions:** All time off requests must be submitted 4-weeks prior to the start of the rotation.

Attendance is mandatory on days 1 & 2 of rotation for orientation and didactic day.

Intended for those who have decided on or are strongly considering Emergency Medicine as a specialty choice.

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This course is a rigorous, in-depth Emergency Medicine experience, intended for those who have decided on or are strongly considering Emergency Medicine as a specialty choice. This course will need to be completed in order to obtain an E-SLOE (Standardized Letter of Evaluation) for EM Residency applications from the University of Iowa Department of Emergency Medicine.

This 4-week clerkship emphasizes the principles of acute care medicine and the approach to life-threatening diseases. During the course, the student will complete 14 clinical shifts including a combination of day, evening, and night shifts on weekdays and weekends to maximize exposure to a wide range of patient presentations. Students will work closely with emergency medicine residents and faculty as part of the clinical care team and will have the opportunity to expand their skill set, including on-shift ultrasound practice. Students will also attend advanced didactics, participate in a simulation, and attend a group ethics session during the course. Students will complete written assignments and will sit for the NBME Shelf Exam at the end of the rotation. Final grade will be based on a combination of ED clinical performance and the NBME EM Shelf Exam.

The Carver College of Medicine policy on attendance and time off requests will be followed. Please keep this in mind when registering.

### **Additional Course Information**

This course will need to be completed in order to obtain an E-SLOE (Standardized Letter of Evaluation) from the University of Iowa Department of Emergency Medicine for EM Residency applications. Therefore, if you are considering Emergency Medicine as a specialty choice, it is strongly recommended that you rotate at the University of Iowa Health Care Medical Center in Iowa City for the purposes of obtaining a departmental (SLOE).

# DEPARTMENT OF FAMILY MEDICINE

**Director:** Emily Welder, MD  
Director of Medical Student Education

Sara Spiva, DO  
Associate Director of Medical Student Education

**Contact:** [Morgan Kremer, Clerkship Coordinator](#)  
01293-C PFP  
319-384-7517

## FAM:8402 Family Medicine Advanced Clerkship - 4 weeks

**Faculty:** Emily Welder, MD, Course Director

**Offered:** All blocks

**Administrative** Morgan Kremer

**Max** 1

**Contact:** Clerkship Coordinator  
319-384-7517  
[fm-clerkship@uiowa.edu](mailto:fm-clerkship@uiowa.edu)

**Enrollment:**

**Report To:** See ICON or departmental email

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This course will emphasize the outpatient aspects of key components of family medicine, including:

- Continuity of care
- Comprehensive care
- Caring for entire families and caring for patients throughout the lifespan
- Integration of health care in the local community
- Patient education
- Care for acute and chronic diseases

Expectations:

- Gain skill in assessment, diagnosis, treatment, and management of patients with common illnesses seen in the ambulatory setting while assigned to one or more of the department's Family Medicine clinics. Locations can include clinics at Iowa River Landing-East, Scott Boulevard, and River Crossing, or other community locations.
- Work collaboratively with the other members of the healthcare team.
- Attend Family Medicine conferences.

### Additional Course Information

Students taking this rotation must be seriously considering entering the specialty of Family Medicine.

## FAM:8422 Family Medicine/Psychiatry - 4 weeks

**Faculty:** Monika Jindal, MD, Course Director

**Offered:** All blocks

**Administrative** Morgan Kremer

**Contact:** Clerkship Coordinator

319-384-7517

fm-clerkship@uiowa.edu

**Max** 1

**Enrollment:**

**Report To:** See ICON or departmental email

**Special** Permission Required.

**Conditions:**

Transportation Required.

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This course will emphasize the integration of mental and physical healthcare across the outpatient family medicine and outpatient psychiatry arenas, including:

- Mental health care in the primary care setting
- Primary care for people with severe mental illness
- Continuity of care
- Comprehensive and holistic care
- Caring for entire families and caring patients throughout the lifespan
- Integration of health care in the local community
- Preventive medicine
- Care for acute and chronic diseases
- Patient education

Expectations:

- Gain skill in assessment, diagnosis, treatment, and management of patients with common illnesses seen in the ambulatory setting while assigned to the Family Medicine/Psychiatry Clinic, the Family Medicine Clinic, the rural office in Riverside, the Free Medical Clinic, and/or the IMPACT program.
- Work collaboratively with other members of the health care team.
- Attend conferences in Family Medicine & Psychiatry.

# DEPARTMENT OF INTERNAL MEDICINE

**Director:** [Dr. Manish Suneja](#), Vice Chair for Education - Advanced Electives

[Dr. Milena A. Gebska](#), Director, Sub-Internship Program

**Contact:** [Kathleen Steenlage](#)  
E328-4 GH  
319-356-2333

## IM:8410 Clinical Allergy-Immunology - 4 weeks

**Faculty:** Dr. Benjamin Davis and Staff

**Offered:** All blocks

**Administrative** Lynne Thomas

**Contact:** 319-356-8955

lynne-thomas@uiowa.edu  
ALLERGY C42-E2 GH

**Max** 1

**Enrollment:**

**Report To:** See ICON or departmental email

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This subspecialty elective emphasizes experience in the diagnosis and treatment of clinical problems in allergy and immunology, including experience in skin testing, administering allergen immunotherapy, the use of immunoglobulin (IVIG and SCIG) & other immunomodulatory therapies, drug challenges and desensitization, and interpreting pulmonary function tests.

The student will assist in the diagnosis and management of asthma, allergic rhinitis, drug allergy, food allergy, atopic dermatitis, urticaria and angioedema, hereditary angioedema and immunodeficiency disease states. Outpatients will be evaluated by the student under supervision of the staff. Selected opportunities exist for students to join inpatient Complex Disorders team rounds.

Students will participate in allergy-immunology conferences weekly including Immunology Grand Rounds (Wed, 1:00 pm, C423-1 GH), and the Fellows' Didactic Core Conferences (Wed, 2:15 pm).

## IM:8412 Clinical Cardiology - 4 weeks

**Faculty:** Dr. Christian E. Anderson and  
Cardiovascular Division

**Offered:** All blocks

**Administrative** Kathleen Detert, E316-1, GH

**Contact:** 319-384-8756

kathleen-detert@uiowa.edu

**Max** 3

**Enrollment:**

**Report To:** See ICON or departmental email

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Internal scheduling for this course will be the responsibility of the department.

Emphasis will be to acquire both breadth and depth in the diagnosis and therapeutic problems encountered in clinical cardiology.

The student will participate in the evaluation and decisions regarding patients seen on the Cardiovascular in-patient consult service (at the UIHC or VAH for consults). They will become familiar with techniques and regimens of management of ischemic heart disease, pre- and post-operative conditions, congestive heart failure, valvular heart disease, and management of common rhythm abnormalities. During each week of the rotation there will be an emphasis on one of these topic areas through assigned readings and meeting with one of our cardiology fellows.

The elective consists of either four weeks on General Cardiology In-patient Consult Service, Heart Failure In-patient Consult Service, or VAMC Consult Service, or two weeks on two of the rotations. If multiple students are enrolled and have similar preferences, they will be split evenly between the sites.

## IM:8414 Clinical Endocrinology - 4 weeks

**Faculty:** Dr. Ogunsakin and Staff

**Offered:** All blocks

**Administrative** Laura Bibby

**Max** 2

**Contact:** Administrative Services Coordinator  
Endocrinology – E 400 GH  
[laura-bibby@uiowa.edu](mailto:laura-bibby@uiowa.edu)  
319-353-7812

**Enrollment:**

Stacey Mumm  
Administrative Services Specialist  
Endocrinology - E 400 GH  
[stacey-mumm@uiowa.edu](mailto:stacey-mumm@uiowa.edu)  
319-353-7812

**Report To:** See ICON or departmental email

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Students electing this course will spend about half of their time in outpatient clinics and the other half on the endocrine consult team.

During the outpatient clinic part of the rotation, students will attend endocrine and diabetes clinics every day, working alongside different faculty members. These clinics take place at Iowa River Landing, the University of Iowa main campus, and the VA Hospital.

While on consults, students will work with the Endocrine Consult team that consists of a staff physician, an endocrinology fellow and sometimes an internal medicine resident, and will see inpatient endocrine and diabetes consultation patients. On alternate week(s) when not scheduled on consult, students will be scheduled to see patients in clinic with staff physician when available.

For each of these activities students will be expected to perform complete patient evaluations and to develop diagnostic programs and therapeutic plans. Students will also participate in the clinical conferences of the Division.

Conferences to be attended by the student:

- The Diabetes and Obesity Talks: Mondays 1:00 – 2:00 pm, 1289 Kelch
- Fellows Curriculum Lecture Series: Mondays 2:30 – 3:30 pm
- Endocrinology Clinical Conference: Mondays 4:00 – 5:00 pm.
- Internal Medicine Grand Rounds: Thursdays Noon, Med Alumni Aud
- Endocrine Grand Rounds: Thursday 8:00 – 9:00 am.

## IM:8416 Clinical Gastroenterology-Hepatology - 4 weeks

**Faculty:** Gastroenterology-Hepatology Staff

**Offered:** All blocks

<b>Administrative</b>	Taryn Owens	<b>Max</b>	1
<b>Contact:</b>	taryn-owens@uiowa.edu (319) 356-3108 GASTROENTEROLOGY/HEP - 4606 JCP	<b>Enrollment:</b>	

Hilary Humphrey  
319-356-2132  
hilary-humphrey@uiowa.edu  
GASTROENTEROLOGY/HEP -  
4611 JCP

**Report To:** See ICON or departmental email

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Gastroenterologists/Hepatologists are Internists that specialize in care of patients with diseases that impair the function of the esophagus, stomach, small bowel, colon, rectum, liver, biliary system, and/or exocrine pancreas. The goal of this rotation is to familiarize you with the differential diagnosis, evaluation, and management of common gastrointestinal and liver disorders.

### Course Objectives

By the end of the rotation, we expect that:

1. You will have refined your ability to obtain pertinent history and exam findings in patients with GI/Liver diseases.
2. You will be able to understand and learn the approach to the diagnosis and management of GI/Liver diseases in the inpatient and outpatient setting.
3. You will be able to understand the diagnostic and therapeutic indications of procedures performed in the management of patients with GI/Liver diseases (endoscopy, liver biopsy, FibroScan, motility studies).
4. You will be able to interpret the results of laboratory, endoscopic, and radiographic tests performed in the management of patients with GI/Liver diseases.
5. You will be able to recognize the need for appropriate gastroenterology/hepatology consultation.

This will be achieved through:

1. Active participation in the Inpatient GI and Inpatient Liver consult services.
2. Evaluation of select patients in the GI/Liver outpatient clinics with the consult fellow and attending.
3. Observation of invasive procedures performed in the Digestive Health Center's Diagnostic and Therapeutic Unit, MICU, and SNICU by GI/Liver clinical faculty.

Attendance at weekly GI/liver teaching conferences – A hand out with information on the various didactics will be provided to the residents at the start of their rotation.

## IM:8418 Hematology Oncology - 4 weeks

**Faculty:** Hematology Oncology Staff

**Offered:** All blocks

**Administrative** Kim Nichols  
**Contact:** [\(kimberly-nichols@uiowa.edu\)](mailto:kimberly-nichols@uiowa.edu)  
(319) 356-2374  
HEMATOLOGY/ONCOLOGY -  
C21-A GH

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

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This elective is designed to increase diagnostic skills in hematology and oncology.

### Course Objectives

The student will learn:

1. the methods and value of clinical staging of common cancers including solid tumors and lymphomas;
2. the principles and practice of rational chemotherapy;
3. the therapy and outpatient management of patients with solid tumors and lymphomas;
4. the principles of palliative care;
5. about hemostatic and thrombotic disorders;
6. the study of blood smears and bone marrow preparations; and
7. the principles and practice of rational therapy for benign and malignant hematological disorders.

This will be achieved through:

1. participation in oncology and hematology inpatient and outpatient consultation and outpatient clinic activities;
2. attendance at division conferences and
3. independent study.

## IM:8422 Clinical Infectious Disease - 4 weeks

**Faculty:** Infectious Disease Staff

**Offered:** All blocks

**Administrative** Taylor Edwards  
**Contact:** 319-356-7740  
[taylor-edwards@uiowa.edu](mailto:taylor-edwards@uiowa.edu)  
SW54-13 GH

**Max** 2  
**Enrollment:**

**Report To:** See ICON or departmental email

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## Course Objectives

The student will:

1. Learn to take and present a good history
2. Document and present history, physical exam, differential diagnosis and assessment accurately
3. Increase their understanding of the pathogenesis of infectious diseases
4. Be familiar with common infections based on organ system and pathogen
5. Increase the understanding of host immunity and factors that affect host vulnerability to infections
6. Increase proficiency in the diagnosis and management of patients with infectious diseases, including the prudent use of antibiotics
7. Learn to apply clinical microbiology knowledge to the diagnosis and treatment of infectious diseases
8. Learn to apply infection prevention principles

This will be achieved through:

1. Evaluation and follow-up of patients seen by the Infectious Diseases consult service;
2. Participation in daily clinical work rounds;
3. Clinical teaching during daily work rounds;
4. Participation in weekly Infectious Diseases grand rounds;
5. Participation in clinical microbiology rounds.

## IM:8426 Pulmonary Consultation Service - 4 weeks

**Faculty:** Lakshmi Durairaj, MD, Course Director and Pulmonary faculty on rotational basis

**Offered:** All blocks

**Administrative** Anne Vincent  
**Contact:** Admin Services Specialist  
anne-vincent@uiowa.edu

**Max** 2  
**Enrollment:**

John Rutherford  
Admin Services Specialist  
john-rutherford@uiowa.edu

**Report To:** See ICON or departmental email

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## Course Objectives

The student will:

1. Refine history taking and physical exam skills, with emphasis on symptoms and signs common to diseases of the cardiopulmonary system.
2. Learn diagnostic and therapeutic strategies for adult patients with pulmonary disease.
3. Interpret pulmonary function tests and thoracic radiographic studies.
4. Gain exposure to the role of a consulting physician.

This will be achieved through:

1. Participation in the Adult Pulmonary Consult service at University Hospitals.
2. Interpretation of pulmonary function tests with the consult fellow and attending.
3. Review of thoracic imaging studies with the consult fellow and attending.
4. Observation of invasive diagnostic and therapeutic procedures.
5. Attendance at teaching conferences for the Pulmonary Disease and Critical Care Division, held two-to-three times weekly.
6. Present at the clinical case conference on Friday noon (optional).

## IM:8428 Adult Nephrology - 4 weeks

**Faculty:** Dr. Lisa Antes & Renal Division Staff

**Offered:** All blocks

**Administrative** Lisa Novak, E300 GH  
**Contact:** 319-356-3446  
lisa-novak@uiowa.edu

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

Students on the Nephrology Consult Service are integral members of our patient care team and are afforded the opportunity to assume significant responsibilities and play a vital role in the clinical and educational activities of the Division of Nephrology. During the adult nephrology rotation, the student will become acquainted with a wide variety of challenges and experiences encountered in the practice of clinical nephrology. Students will participate in rounds on the in-patients at UIHC (no on-call responsibilities) and will be assigned to one ½ day ambulatory renal clinic per week at either UIHC or the VAMC. In addition, students will attend teaching conferences of the Nephrology Division and participate in daily review of renal test questions.

### Course Objectives

1. To understand the use and basic interpretation of specialized tests of renal function
2. To evaluate and manage patients with acute kidney injury
3. To assess and manage patients with complex fluid, electrolyte and acid base problems
4. To manage patients with CKD or ESRD
5. To understand the indications and modalities for renal replacement therapy
6. To understand the evaluation and management of patients with HTN

## IM:8434 Clinical Rheumatology - 4 weeks

**Faculty:** Dr. Hanna Zembrzuska and Division Faculty

**Offered:** All blocks

**Administrative** Lynne Thomas  
**Contact:** 319-356-8955

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

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The student will:

1. increase his/her understanding of rheumatic diseases;
2. increase his/her skill in medical diagnosis of these diseases;
3. learn the principles of management of patients with these diseases;
4. participate in clinical conferences.

This will be achieved through:

- participation in daily clinical activities;
- frequent patient-oriented discussion of problems as they arise on the clinical service;
- independent study.

# DEPARTMENT OF NEUROLOGY

**Director:** [Dr. Hannah Roeder](#)

**Contact:** [Lucy Fasano](#)  
S713 GH  
319-384-9669

## NEUR:8401 Advanced Inpatient Neurology - 4 weeks

**Faculty:** Dr. Hannah Roeder  
Dr. Lama Abdel Wahed  
Dr. Tyler Schmidt

**Offered:** All blocks

**Administrative** Lucy Fasano, MA

**Contact:** 319-384-9669  
[lucy-fasano@uiowa.edu](mailto:lucy-fasano@uiowa.edu)

**Max** 1

**Enrollment:**

**Report To:** See ICON or departmental email

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The neurology advanced inpatient elective is designed for medical students who want more exposure to caring for acute and chronic neurological conditions in the hospital setting. The 2- or 4-week course will provide an immersive experience to learn about the presentation, diagnosis, and management of patients presenting to the emergency room, requiring consultation and/or hospitalization for a neurological condition. The student will engage in all aspects of neurology inpatient care, under the supervision of residents, fellows, and faculty.

## NEUR:8402 Advanced Outpatient Neurology - 4 weeks

**Faculty:** Dr. Tracey Cho  
Dr. Hannah Roeder

**Offered:** All blocks

**Administrative** Lucy Fasano, MA

**Contact:** 319-384-9669  
[lucy-fasano@uiowa.edu](mailto:lucy-fasano@uiowa.edu)

**Max** 1

**Enrollment:**

**Report To:** See ICON or departmental email

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Intensive period of experience with the diagnosis and treatment of patients with neurologic disease. The student will be assigned to the Neurology Outpatient Clinic. The student will perform the initial assessment of the patient and through consultation with the faculty, outline the management.

## NEUR:8404 Advanced Inpatient Sub-Internship Neurology - 4 weeks

**Faculty:** Dr. Hannah Roeder  
Dr. Lama Abdel Wahed  
Dr. Tyler Schmidt

**Offered:** All blocks

**Administrative Contact:** Lucy Fasano, MA  
319-384-9669  
lucy-fasano@uiowa.edu

**Max Enrollment:** 1

**Report To:** See ICON or departmental email

**Special Conditions:** 2 seats available during the July, August, September, and October blocks, 1 seat for all other blocks.

The neurology sub-internship is designed for medical students who are considering a career in neurology or a related specialty. The 4-week course will provide an immersive experience to learn about the presentation, diagnosis, and management of patients presenting to the emergency room, requiring consultation and/or hospitalization for a neurological condition. The student will engage in all aspects of neurology inpatient care, under the supervision of residents, fellows, and faculty.

### Course Objectives

#### Course Objectives

- Students will have responsibilities for all aspects of neurology inpatient care that reflects their training level and with appropriate supervision from the residents, fellows, and faculty neurologists.
- Students will gain experience performing an initial evaluation of patients presenting to the emergency room with acute neurological concerns, including participating in stroke codes.
- Students will improve their clinical note writing, order entry, and verbal presentation skills by performing these tasks on the patients for whom they are caring, with supervision and feedback from the residents, fellows, and faculty.
- Students will gain expertise developing an appropriate differential diagnosis and diagnostic work-up for a range of neurological conditions.
- Students will learn to develop management plans for neurology patients, including treatment of comorbid disease, prevention and treatment of acute complications, prescription of secondary prevention therapies, and utilization of rehabilitation services and discharge planning.
- Students will develop skills working in interdisciplinary teams and learn the roles of other health professionals who care for neurological patients.
- Students will practice effective communication with patients and family members regarding neurological conditions, including conveying the diagnosis, treatment options, risks/benefits, and prognosis and discussing goals of care.

### Additional Course Information

Student performance is assessed using the standard CCOM evaluation forms. The performance is based on the ACGME core competencies for resident education. The student is expected to provide an evaluation of his/her experience on the rotation.

# DEPARTMENT OF NEUROLOGICAL SURGERY

**Director:** [Dr. Matthew Howard](#)

**Contact:** [Kathy Escher](#)  
1800 JPP  
319-356-7643

## NSG:8401 Subinternship in Neurosurgery - 4 weeks

**Faculty:** Dr. Matthew Howard & Staff

**Offered:** All blocks

**Administrative** Kathy Escher

**Contact:** 319-356-7643

[kathy-escher@uiowa.edu](mailto:kathy-escher@uiowa.edu)

**Max** 5

**Enrollment:**

**Report To:** See ICON or departmental email.

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This advanced clinical clerkship is designed for students interested in neurologic diseases. There will be emphasis on the diagnosis of neurologic disorders as well as operative therapy. The student will be expected to attend related conferences with Radiology and Neurology. The student will be responsible for diagnosis and management of patients on an inpatient service under close supervision by an upper level resident and faculty member. Evaluation will be based upon the ward performance.

# DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

**Director:** Michael Haugsdal, MD

Assistant Director: Kimberly Kenne, MD, MCR

**Contact:** [Sally Fisher](#)  
51210-B PFP  
319-384-8654

## OBG:8401 Advanced Inpatient Sub-Internship High Risk Antepartum Obstetrics - 4 weeks

**Faculty:** Christopher Clark, MD, Faculty  
Director

**Offered:** All blocks

**Administrative** Sally Fisher  
**Contact:** 319-384-8654  
sally-fisher@uiowa.edu

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

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Sub-internship focused on inpatient and outpatient care of women with co-morbid health conditions that complicate pregnancy, fetal anomalous conditions, and complications unique to the pregnant state.

### Course Objectives

Objectives:

1. Under supervision by the antepartum resident and faculty member, the sub-intern will be responsible for managing high-risk obstetric patients admitted to the Antepartum Service. This will include ordering diagnostic studies, following labs, and being involved in the patients' clinical course. The student will develop skills in various diagnostic procedures such as non-stress testing and biophysical profiles. At daily sign-out, the sub-intern will present the patient(s) that he or she has evaluated and will participate in the discussion concerning other antepartum patients.
2. The sub-intern will see specific patients in the High-Risk Obstetrics Clinics
3. The sub-intern will assist with the evaluation of complicated obstetric patients admitted to the antepartum service on Labor & Delivery. The sub-intern may be involved in the intrapartum care and delivery of high-risk obstetric patients.
4. Completion of one formal referenced paper about a specific topic in Maternal-Fetal Medicine chosen by the sub-intern and one of the faculty members. The student will be evaluated by this evidence-based paper.
5. Required Clinical Experiences must be recorded and completed by the end of the rotation.
6. Midblock feedback will be provided by the faculty director.
7. The sub-intern will complete two Foundational Science Learning Reports.

## OBG:8402 Advanced Inpatient Sub-Internship Gynecologic Oncology - 4 weeks

**Faculty:** Vincent Wagner, MD, Faculty Director

**Offered:** All blocks

**Administrative** Sally Fisher  
**Contact:** 319-384-8654  
sally-fisher@uiowa.edu

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

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Sub-intern experience in the evaluation and management of surgical & hospitalized gynecologic oncology patients with serious and often complex problems. The sub-intern will be evaluated by direct observation from faculty and residents. The sub-intern will interact and be closely supervised by the residents, fellow, and faculty with weekly, verbal feedback from this team regarding documentation, clinical decision-making, and management plans. The mid-block evaluation meeting with the faculty director will include input from the Gyn Onc team. The faculty director will complete the final evaluation by completing input from the other faculty, residents, and fellows.

### Course Objectives

- Develop a better understanding of diagnosis, evaluation, and management of patients with a variety of gynecologic neoplasia - both benign and malignant.
- Participate in direct patient care under the supervision of faculty and resident physicians. The student's experiences will consist predominantly of patient care.
- Develop skills in the management of postoperative gynecological cancer patients, with emphasis on clinical decision-making and development of management plans.
- Assume an appropriate level of management/responsibility for all aspects of patient care. Specifically, the sub-intern will participate in admissions, writing daily progress notes and discharge summaries, and assist in writing/reviewing postoperative admissions orders.
- Develop skills in management of postoperative fluid, electrolyte, and acid-base disorders, gain exposure to postoperative wound evaluation/care; assist in placement of nasogastric tubes or other on-floor procedures as appropriate.
- Practice independent evaluation of postoperative pain, develop differential diagnoses for postoperative pain, and develop an understanding of postoperative pain management.
- Participate in the management of postoperative patients with anemia and malnutrition.
- Engage in opportunities to independently identify critically ill patients who require immediate attention and possibly transfer to an intensive care setting.
- Practice documenting clinical activities (admission notes, progress notes, discharge summaries) in the medical record.
- Function collaboratively in a clinical management team including nursing staff, other students, residents, consulting providers, social workers, ward clerks, and other support staff.

### Additional Course Information

#### Evaluation Methods:

- The sub-intern will attend the weekly Gynecologic Oncology Tumor Board, unless they are in the OR.
- The last week of the rotation, the student will present an appropriately referenced topic in Gynecologic Oncology of their choice, typically drawn from a patient experience during the rotation.
- Required Clinical Experiences must be recorded and completed by the end of the rotation.
- Midblock feedback will be provided by the faculty director.
- The student will be enrolled in the fourth-year professionalism seminar through the Program for Bioethics and Humanities as part of this rotation. This seminar meets once per month; a seminar invitation will arrive via email.
- The sub-intern will complete two Foundational Science Learning Reports.

## OBG:8403 Reproductive Endocrinology - 4 weeks

**Faculty:** Abey Eapen, MBBS, PhD, Faculty Director

**Offered:** All blocks

**Administrative** Sally Fisher  
**Contact:** 319-384-8654  
sally-fisher@uiowa.edu

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

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Advanced elective in the field that studies the intricate physiology and endocrinology of female reproductive function. The student will be evaluated by all faculty members with whom they worked with in clinics, ORs, and other settings including imaging (e.g. HSG), IVF procedure suite, etc. All evaluations will be aggregated, and the final grade submitted by the faculty director. As a member of a team caring for patients with infertility, reproductive endocrine disorders, and benign gynecologic conditions, the student will function under close supervision by residents, fellows and faculty members.

### Course Objectives

- Increase understanding and skill in evaluation, diagnosis, and treatment of patients with infertility, amenorrhea, recurrent pregnancy loss, and other gynecological endocrinopathies.
- Increase understanding and ability to evaluate a prospective surgical patient pre-operatively, and care for patients post-operatively in the hospital.
- Active participation in the Reproductive Endocrinology and Infertility Clinics several days a week.
- Presentation to the division on a topic chosen by the student will be used to evaluate learning objectives.
- Participation in related major in-patient and minor out-patient surgical procedures, including pre and post-operative evaluation and care.
- Attendance and participation during weekly student chapter review lectures.
- Participation and assistance in performing hysterosalpingograms one afternoon per week, assistance in performing pelvic ultrasounds throughout the week, and study of assigned reading materials.
- Required Clinical Experiences will be recorded and completed by the end of the rotation.
- Midblock feedback will be provided by the faculty director.
- The student will be enrolled in the fourth-year professionalism seminar through the Program for Bioethics and Humanities as part of this rotation. This seminar meets once per month; a seminar invitation will arrive via email.

## OBG:8405 Urogynecology - 4 weeks

**Faculty:** Kimberly Kenne, MD, MCR, Faculty Director

**Offered:** All blocks

**Administrative** Sally Fisher  
**Contact:** 319-384-8654  
sally-fisher@uiowa.edu

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

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Advanced elective focused on outpatient, surgical, and inpatient care of women with pelvic floor disorders and other urogynecologic conditions.

### Course Objectives

- Learn and understand the normal anatomy of the female pelvic floor, the physiology of pelvic floor function, and the pathophysiologic processes resulting in the pelvic floor disorders in women.
- Develop and apply knowledge of the basic history and physical exam performed in women presenting for care of pelvic floor disorders.
- Understand the typical clinical presentation, evaluation, and treatment options (conservative and surgical) for urinary incontinence and pelvic organ prolapse.
- Participate in activities in a typical Urogynecology practice, including ambulatory clinic visits, clinic outpatient procedures, surgeries, and inpatient care.

### Additional Course Information

Activities:

- Complete the four-week advanced elective rotation. No weekend or evening shifts are required.
- Function as an active member of the Urogynecology clinical team.
- Prepare a chosen topic as a short presentation to the Urogynecology clinical team during the final week of the rotation.
- Required Clinical Experiences will be recorded and completed by the end of the rotation.
- Midblock feedback will be provided by the faculty director

## OBG:8409 Night Float - 4 weeks

**Faculty:** Michael Haugsdal, MD, Faculty Director

**Offered:** All blocks

**Administrative** Sally Fisher  
**Contact:** 319-384-8654  
sally-fisher@uiowa.edu

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

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The Night Float student will be paired with the Night R2 to share primary responsibility for the inpatients on the gynecology services. The Night Float student and Night R2 will perform the initial assessment of Emergency Department or inpatient consults/admissions with supervision of the Night Chief R3/4 and /or faculty as indicated. The Night Float student will carry out management plans discussed at evening sign-out for the inpatient Gyn services. When not actively engaged in the care of Gyn patients, the Night Float student will participate in the work of the resident team on Labor & Delivery, gaining OB procedural experience. However, Labor & Delivery activities will be per the discretion of the Night Chief R3/4 in order to prioritize the Labor & Delivery experience for the core clerkship students.

The rotation is Monday night through Thursday night from 5:00 PM to 7:30 AM with morning report to various day services.

The Night Float student and Night R2 will generally report to the Gyn inpatient unit at 5:00 PM and attend Gyn Onc sign-out (Mon through Thurs). However, they may attend Labor & Delivery sign-out pending service needs. The Night Float student will attend Gyn Onc AM sign-out of assigned patients to the day Gyn Onc team.

### **Course Objectives**

- Under the supervision of the Night R2, Night Chief R3/4, and staff call physician, the Night Float student will be responsible for managing the inpatient Gyn services overnight including 2-3 medically complex Gyn Onc patients. The Night Float student will develop skill in the management of inpatient gynecology (oncology and benign) patients.
- Under resident and staff supervision, the student will evaluate patients in the Emergency Department (and occasionally, Labor & Delivery), construct differential diagnoses, and contribute to plans of care. At Gyn Onc morning sign-out, the Night Float student will present the patients they have managed and will participate in the discussion concerning other patients. The Night Float student will be evaluated by direct supervision and evidence-based discussion related to inpatient management and procedures.
- The Night Float student may be involved in the intrapartum care and delivery of obstetric patients.
- Required Clinical Experiences must be recorded and completed by the end of the rotation.
- Midblock feedback will be provided by the faculty director.

# DEPARTMENT OF OPHTHALMOLOGY

**Director:** [Dr. Lindsay De Andrade](#)

**Contact:** [Tonya Looker](#)  
11290 PFP  
319-356-2921

## OPHT:8401 Cornea and Anterior Segment of the Eye - 4 weeks

**Faculty:** Mark Greiner, MD

**Offered:** All blocks

**Administrative** Tonya Looker  
**Contact:** 319-356-2921  
tonya-looker@uiowa.edu

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

**Special Prerequisite:** OPHT:8301  
**Conditions:**

Intended for students interested in learning about the most common eye disorders in the field of cornea and the anterior segment of the eye.

The student is expected to:

- learn basic techniques of eye examination;
- learn to diagnose common diseases of the cornea and anterior segment of the eye, including the lens, iris and anterior chamber;
- learn basic principles of therapeutics of cornea and the anterior segment.

This will be achieved by:

- reading assignments;
- observation of surgical procedures in the operating room
- daily conferences;
- clinical work-up of patients;
- self-assessment programs.

The student will be evaluated throughout the elective and at its completion.

## OPHT:8402 Elective in Neuro-Ophthalmology - 4 weeks

**Faculty:** Matthew Thurtell, MBBS, MSc,  
FRACP

**Offered:** Arranged

**Administrative** Tonya Looker  
**Contact:** 319-356-2921  
tonya-looker@uiowa.edu

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

**Special** Prerequisite: OPHT:8301  
**Conditions:** Permission Required. Contact Tonya Looker.

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Intended for students with an interest in Neurology, Neurosurgery, Internal Medicine, or Ophthalmology.

The student is expected to learn the diagnosis and management of neuro-ophthalmic problems (visual loss, diplopia, field loss, pupil dysfunction). This will be achieved by working up patients in Neuro-ophthalmology Clinic and presenting them to the faculty.

# DEPARTMENT OF ORTHOPEDICS AND REHABILITATION

**Director:** Benjamin Miller, MD, MS  
Heather Kowalski, MD  
Philip Chen, MD - PM&R

**Contact:** Tonia Johnston  
319-384-5590  
tonia-johnston@uiowa.edu

## ORTH:8407 Orthopedics - Adult Hip/Knee Reconstruction - 4 weeks

**Faculty:** Orthopedic Faculty

**Offered:** All blocks

**Administrative** Tonia Johnston  
**Contact:** Orthopedics and Rehabilitation  
Tel: (319)384-5590  
tonia-johnston@uiowa.edu

**Max** 2  
**Enrollment:**

**Report To:** See ICON or departmental email

**Special** Prerequisite: ORTH:8301  
**Conditions:**

The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system.
- he/she will increase his/her ability to establish a differential list of problems to recommend appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Blue Team-Adult Hip and Knee Reconstruction service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital, and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

## ORTH:8408 Orthopedics - Trauma - 4 weeks

**Faculty:** Orthopedic Faculty

**Offered:** All blocks

**Administrative** Tonia Johnston  
**Contact:** Orthopedics and Rehabilitation  
Tel: (319)384-5590  
tonia-johnston@uiowa.edu

**Max** 2  
**Enrollment:**

**Report To:** See ICON or departmental email

**Special Prerequisite:** ORTH:8301  
**Conditions:**

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The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system.
- he/she will increase his/her ability to establish a differential list of problems to recommend appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Red Team-Trauma service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital, and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

## ORTH:8409 Orthopedics - Pediatrics - 4 weeks

**Faculty:** Orthopedic Faculty

**Offered:** All blocks

**Administrative** Tonia Johnston

**Max** 1

**Contact:** Orthopedics and Rehabilitation

**Enrollment:**

Tel: (319)384-5590

tonia-johnston@uiowa.edu

**Report To:** See ICON or departmental email

**Special Prerequisite:** ORTH:8301  
**Conditions:**

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The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system
- he/she will increase his/her ability to establish a differential list of problems to recommend appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Green Team-Pediatrics service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

## ORTH:8410 Orthopedics - Sports Medicine - 4 weeks

**Faculty:** Orthopedic Faculty

**Offered:** All blocks

**Administrative** Tonia Johnston

**Max** 1

**Contact:** Orthopedics and Rehabilitation  
Tel: (319)384-5590  
tonia-johnston@uiowa.edu

**Enrollment:**

**Report To:** See ICON or departmental email

**Special Prerequisite:** ORTH:8301  
**Conditions:**

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The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system.
- he/she will increase his/her ability to establish a differential list of problems to recommend appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Black Team-Sports Medicine service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital, and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

## ORTH:8411 Orthopedics - Hand/Wrist/Elbow - 4 weeks

**Faculty:** Orthopedic Faculty

**Offered:** All blocks

**Administrative** Tonia Johnston

**Max** 1

**Contact:** Orthopedics and Rehabilitation  
Tel: (319)384-5590  
tonia-johnston@uiowa.edu

**Enrollment:**

**Report To:** See ICON or departmental email

**Special Prerequisite:** ORTH:8301  
**Conditions:**

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The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system.
- he/she will increase his/her ability to establish a differential list of problems to recommend appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Yellow Team-Hand, Wrist, Elbow service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital, and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

## ORTH:8412 Orthopedics - Spine - 4 weeks

**Faculty:** Orthopedic Faculty

**Offered:** All blocks

**Administrative** Tonia Johnston

**Contact:** Orthopedics and Rehabilitation  
Tel: (319)384-5590  
tonia-johnston@uiowa.edu

**Max** 1

**Enrollment:**

**Report To:** See ICON or departmental email

**Special Prerequisite:** ORTH:8301  
**Conditions:**

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The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system.
- he/she will increase his/her ability to establish a differential list of problems to recommend appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Orange Team-Spine service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital, and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

## ORTH:8413 Orthopedics - Oncology/Tumor - 4 weeks

**Faculty:** Orthopedic Faculty

**Offered:** All blocks

**Administrative** Tonia Johnston

**Contact:** Orthopedics and Rehabilitation

**Max** 1

**Enrollment:**

Tel: (319)384-5590  
tonia-johnston@uiowa.edu

**Report To:** See ICON or departmental email

**Special Prerequisite:** ORTH:8301  
**Conditions:**

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The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system.
- he/she will increase his/her ability to establish a differential list of problems to recommend appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Copper Team-Oncology/Tumor Service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital, and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

## ORTH:8415 Orthopedics - Foot/Ankle - 4 weeks

**Faculty:** Orthopedic Faculty

**Offered:** All blocks

**Administrative** Tonia Johnston

**Contact:** Orthopedics and Rehabilitation

Tel: (319)384-5590

tonia-johnston@uiowa.edu

**Max** 1

**Enrollment:**

**Report To:** See ICON or departmental email

**Special Prerequisite:** ORTH:8301  
**Conditions:**

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The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system.
- he/she will increase his/her ability to establish a differential list of problems to recommend appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Silver Team- Foot and Ankle service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital, and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

## ORTH:8417 Orthopedics - Shoulder / Elbow - 4 weeks

**Faculty:** Orthopedic Faculty

**Offered:** All blocks

**Administrative** Tonia Johnston

**Max** 1

**Contact:** Orthopedics and Rehabilitation  
Tel: (319)384-5590  
tonia-johnston@uiowa.edu

**Enrollment:**

**Report To:** See ICON or departmental email

**Special Prerequisite:** ORTH:8301  
**Conditions:**

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### Course Objectives

The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system.;
- he/she will increase his/her ability to establish a differential list of problems to recommend appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Pink Team-Shoulder and Elbow service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital, and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

# DEPARTMENT OF OTOLARYNGOLOGY

**Director:** [Dr. Scott Graham](#)

**Contact:** [Julie Kobliska](#)  
21151 PFP  
319-356-2177

## OTO:8402 Advanced Otolaryngology - 4 weeks

**Faculty:** Staff

**Offered:** All blocks

**Administrative** Julie Kobliska

**Max** 3

**Contact:** 319-384-8277

**Enrollment:**

julie-kobliska@uiowa.edu

**Report To:** See ICON or departmental email

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The student will

- become proficient in the physical examination of the head and neck;
- increase his ability to diagnose, evaluate and manage common disorders of the ears, nose, and throat;
- work in the outpatient clinic, on inpatient services, and in the operating room.

This will be achieved through experience

- examination of a large number of patients;
- assuming interns level responsibility inpatient care;
- independent study;
- exposure to the operating room if desired.

# DEPARTMENT OF PATHOLOGY

**Director:** [Dr. Annette Schlueter](#)

**Contact:** [Nicole Astell](#)  
C662 GH  
319-353-8138

[Kelly Schnoebelen](#)  
C660 GH  
319-384-5313

## PATH:8402 Hematopathology Clerkship - 4 weeks

**Faculty:** Drs. G. Bullock, S. Syrbu, C. Holman,  
P. Meyer

**Offered:** All blocks

**Administrative** Nicole Astell

**Contact:** C662 GH  
319-353-8138  
nicole-astell@uiowa.edu

**Max** 1

**Enrollment:**

Kelly Schnoebelen  
C660 GH  
319-384-5313  
kelly-j-schnoebelen@uiowa.edu

**Report To:** See ICON or departmental email

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The student will:

- develop proficiency in the evaluation of peripheral blood and bone marrow, lymph node, and body fluid cell evaluation;
- increase skills in recognition of benign and malignant disorders of the hematopoietic system;
- learn the appropriate laboratory work-up of anemia, thrombocytopenia/thrombocytosis, leukocytic disorders, and suspected hemoglobinopathy/thalassemia;
- increase understanding of the functioning of the hematology laboratory; and
- correlate hematologic findings with molecular, flow cytometric and cytogenetic laboratory findings.

This will be achieved through:

- performance of written reports on peripheral blood and bone marrow cases;
- attendance at daily review of bone marrows and abnormal peripheral blood and body fluid films;
- review of hemoglobin electrophoresis cases in conjunction with CBC data, blood smear findings, and clinical history;
- attendance at hematopathology unknown conference, leukemia conference, lymphoma conference, blood club, journal club, and clinical pathology conferences.

## PATH:8403 Surgical Pathology - 4 weeks

**Faculty:** Dr. Matthew Gosse and Staff

**Offered:** Closed March. Available all other blocks.

**Administrative** Nicole Astell

**Contact:** C662 GH

319-353-8138

nicole-astell@uiowa.edu

**Max** 1

**Enrollment:**

Kelly Schnoebelen

C660 GH

319-384-5313

kelly-j-schnoebelen@uiowa.edu

**Report To:** Outside Elevator EE on the 5th floor.  
Time to be arranged with the clerkship director via email before the start of the rotation.  
See ICON or departmental email

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This course provides exposure to surgical pathology which includes the gross and microscopic examination of tissue for assessment of anatomic medical diseases (including but not limited to neoplastic, inflammatory, infectious diseases, etc.). Students will be assigned to a variety of surgical pathology subspecialty services which may include: breast, gastrointestinal, genitourinary, gynecologic, head and neck/thoracic. Musculoskeletal (bone and soft tissue) pathology and pediatric pathology are incorporated into each of the subspecialty services and students will be exposed to those subspecialties throughout the clerkship. Those with special interests in cytopathology, neuropathology, or renal pathology may be considered for rotating on those services if trainee space is available at the time on a case-by-case basis.

### Objectives:

- To become acquainted with the contributions to and limitations of tissue examination to patient care.
- To learn basic aspects of tissue examination and approaches to anatomic diagnosis.
- To be exposed to a variety of diseases at the gross and microscopic level.
- Understand the impact various diagnoses has on patient care and management.

The student will actively participate in surgical pathology by:

- Actively observe the macroscopic tissue examination and participate in the microscopic assessment of frozen section pathology in the gross room.
- Take ownership of current surgical pathology cases to bring to sign out with knowledge of clinical presentation, pertinent history, and reason for biopsy or resection.
- Be prepared to discuss differential diagnoses, clinical implications of those diagnoses, and next steps to work up a particular case.
- Create concise and accurate pathology reports.

## PATH:8404 Transfusion Medicine - 4 weeks

**Faculty:** Drs. M. Knudson, A. Schlueter, J. Blau, and M. Parsons

**Offered:** All blocks - based on availability of trainee slot in DeGowin rotation schedule.

**Administrative** Nicole Astell

**Contact:** C662 GH  
319-353-8138  
nicole-astell@uiowa.edu

**Max** 1

**Enrollment:**

Kelly Schnoebelen  
C660 GH  
319-384-5313  
kelly-j-schnoebelen@uiowa.edu

**Report To:** DeGowin Blood Bank, SW247 GH  
See ICON or department email.

**Special Conditions:** No holidays or weekends.

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Objective: To be exposed to common activities and functions of a comprehensive transfusion service.

1. Understand the indications for the transfusion of components such as platelets, plasma, RBCs and cryoprecipitate.
2. Participate in morning report, patient rounds and writing clinic notes on those patients. Be aware of common indications for therapeutic apheresis, therapeutic phlebotomy, photopheresis, and mononuclear cell collections for stem cell or CAR-T cell therapy. Understand the common risks and benefits associated with these procedures.
3. Assist in the writeup of reports on patients with complex RBC antibodies and those who experience transfusion reactions.
4. Participate in an offsite blood drive with DeGowin Donor Center Staff (optional).
5. Be familiar with basic Blood Bank procedures including techniques of erythrocyte typing, compatibility testing, RBC antibody detection and antibody identification. Students may participate in specific procedures including pretransfusion compatibility testing, RBC typing and/or antibody screen.
6. Give a 30 min presentation on a Transfusion Medicine topic.

Students performing a 4-week rotation (Monday–Friday only) will have progressively more lab exercises, pager coverage and will be expected to give a short case presentation at CP morning report on a Transfusion Medicine topic.

# DEPARTMENT OF PEDIATRICS

**Director:** [Kristen Sandgren](#), MD, FAAP  
[Sam Wong](#), DO, MS  
**Contact:** [Sofia Ramirez](#), MBA  
BT 2015-22

## PEDS:8406 Pediatric Pulmonology - 4 weeks

**Faculty:** Dan Hinds, MD, MS & Staff

**Offered:** All blocks

**Administrative** Sofia Ramirez, MBA

**Max** 1

**Contact:** 2015-22 BT

**Enrollment:**

[sofia-ramirez@uiowa.edu](mailto:sofia-ramirez@uiowa.edu)

**Report To:** See ICON or departmental email.

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The elective offers students an extensive opportunity to learn the clinical assessment of respiratory diseases and complaints, including physical exam, history taking, and interpretation of ancillary study such as lung functions, allergy testing, blood gases. Students will be exposed to diagnosis, management, and follow-up for common chronic respiratory conditions in the pediatric population.

### Course Objectives

1. Develop the skills and knowledge to begin to manage acute pulmonary complaints
2. Develop the skills and knowledge to begin to diagnose and manage chronic respiratory disease.
3. Perform an age-appropriate history and physical exam needed to evaluate, treat and/or monitor patients with presenting signs and symptoms for common pulmonary disease processes.
4. Identify when ancillary testing is appropriate and how to interpret basic ancillary tests used in respiratory assessment to include lung functions testing, blood gasses and allergy testing options.
5. Develop the skills and knowledge to assess and manage asthma.
6. Recognize the potential side effects of commonly used respiratory therapies and how to monitor for those.
7. Develop the skills and knowledge to begin to manage cystic fibrosis.

### Additional Course Information

- Students are required to upload the completed and signed mid-rotation feedback form to ICON to receive full credit.
- Students are required to complete and upload a Social Determinants of Health assignment to ICON. See ICON for more information.
- Students are required to attend the scheduled Advanced Student Lectures during their rotation. Attendance is mandatory.
- Students are responsible for initiating on-line evaluations.
- Students are required to complete the CCOM Clerkship Evaluation.

Students are required to evaluate a minimum of 3 Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

## PEDS:8407 Pediatric Cardiology - 4 weeks

**Faculty:** Prashob Porayette, MD, and Staff

**Offered:** All blocks

**Administrative** Sofia Ramirez, MBA

**Contact:** 2015-22 BT

[sofia-ramirez@uiowa.edu](mailto:sofia-ramirez@uiowa.edu)

**Max** 1

**Enrollment:**

**Report To:** See ICON or departmental email

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This rotation focuses on enhancing physical exam skills and physiology knowledge base from a cardiovascular perspective. Students will learn to clinically integrate cardiovascular physiology with physical findings and laboratory tests. An emphasis will be placed on learning to differentiate innocent versus organic heart murmurs. By the end of the rotation, students should be able to explain the mechanism for the production of heart sounds and murmurs, distinguish normal from abnormal cardiovascular signs and symptoms, and explain normal cardiac physiology as it applies to interpreting physical exam or laboratory tests.

### Additional Course Information

- Students are required to upload the completed and signed mid-rotation feedback form to ICON to receive full credit.
- Students are required to complete and upload a Social Determinants of Health assignment to ICON. See ICON for more information.
- Students are required to attend the scheduled Advanced Student Lectures during their rotation. Attendance is mandatory.
- Students are responsible for initiating on-line evaluations.
- Students are required to complete the CCOM Clerkship Evaluation.
- Students are required to evaluate a minimum of 3 Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

## PEDS:8408 Pediatric Gastroenterology - 4 weeks

**Faculty:** Pediatric Gastroenterology Staff

**Offered:** All blocks

**Administrative** Sofia Ramirez, MBA

**Contact:** 2015-22 BT

[sofia-ramirez@uiowa.edu](mailto:sofia-ramirez@uiowa.edu)

**Max** 1

**Enrollment:**

**Report To:** See ICON or departmental email.

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The student will increase their proficiency in the diagnosis, management and treatment of various diseases of the gastrointestinal tract, liver and pancreas and their nutritional consequences during infancy and childhood. The student will develop a greater depth of knowledge concerning normal and abnormal nutrition.

### Additional Course Information

- Students are required to upload the completed and signed mid-rotation form to ICON to receive full credit.
- Students are required to complete and upload a Social Determinants of Health assignment to ICON. See ICON for more information.
- Students are required to attend the scheduled Advanced Student Lectures during their rotation. Attendance is mandatory.
- Students are responsible for initiating on-line evaluations.
- Students are required to complete the CCOM Clerkship Evaluation.
- Students are required to evaluate a minimum of 3 Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

## PEDS:8409 Pediatric Hematology/Oncology - 4 weeks

**Faculty:** Jessica Zimmerman, MD, Maggie Seblani, MD, and Staff

**Offered:** All blocks

**Administrative** Sofia Ramirez, MBA

**Max** 1

**Contact:** 2015-22 BT

**Enrollment:**

[sofia-ramirez@uiowa.edu](mailto:sofia-ramirez@uiowa.edu)

**Report To:** See ICON or departmental email.

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The goal of this rotation is for the student to gain familiarity with the diagnosis and ongoing management of children with common and rare hematologic and immunologic disorders and malignancies. Through exposure to a wide variety of hematologic and oncologic diagnoses, the student will gain experience in diagnosing and treating patients in a multidisciplinary team. Students will also observe and participate in procedures, chemotherapy planning and delivery, and transfusion medicine. The students will learn different roles in the clinic working with faculty, trainees, nurse practitioners, physician assistants, clinic nurses, social workers, child life specialists, and others.

### Additional Course Information

- Students are required to upload the completed and signed mid-rotation form to ICON to receive full credit.
- Students are required to complete and upload a Social Determinants of Health assignment to ICON. See ICON for more information.
- Students are required to attend the scheduled Advanced Student Lectures during their rotation. Attendance is mandatory.
- Students are responsible for initiating on-line evaluations.
- Students are required to complete the CCOM Clerkship Evaluation.
- Students are required to evaluate a minimum of 3 Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

## PEDS:8410 Pediatric Neurology - 4 weeks

**Faculty:** Leah Zhorne, MD and Staff

**Offered:** All blocks

**Administrative** Sofia Ramirez, MBA  
**Contact:** 2015-22 BT  
sofia-ramirez@uiowa.edu

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

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The student will:

- become more proficient in performing a neurologic examination through the ages (newborn, infant, toddler, etc.)
- be able to obtain a complete neurologic history and physical exam and to present this to the attending in an organized and succinct fashion.
- be familiar with the basic principles of neurologic localization (aka where is the lesion?)
- learn how to approach common neurologic problems such as headache, seizures, hypotonia, developmental delay, etc.
- learn how to develop a differential diagnosis for common neurologic complaints.
- Understand and appropriately utilize common diagnostic tools and labs (EEG, EMG, drug levels, etc.)
- Observe a multidisciplinary approach to complex patient problems (MDA clinic)
- Appropriately utilize resources to participate in evidence-based decision making.

These goals will be achieved through: Clinical activities will be focused on the outpatient clinic, with limited involvement in the inpatient service and consult service. The student will see patients independently and staff them with an attending. Students will participate in clinical conferences and will be expected to read selected readings in pediatric neurology. Students will be expected to participate in the weekly child neurology clinical conference.

#### **Additional Course Information**

- Students are required to upload the completed and signed mid-rotation feedback form to ICON to receive full credit.
- Students are required to complete and upload a Social Determinants of Health assignment to ICON. See ICON for more information.
- Students are required to attend the scheduled Advanced Student Lectures during their rotation. Attendance is mandatory.
- Students are required to present an interesting case during the last week of the rotation.
- Students are responsible for initiating on-line evaluations.
- Students are required to complete the CCOM Clerkship Evaluation.
- Students are required to evaluate a minimum of 3 Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

## **PEDS:8412 Developmental and Behavioral Pediatrics - 4 weeks**

**Faculty:** Pediatric Developmental and Behavioral Staff

**Offered:** All blocks

**Administrative** Sofia Ramirez, MBA  
**Contact:** 2015-22 BT  
sofia-ramirez@uiowa.edu

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email.

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## Course Objectives

- Understand the normal developmental sequence of childhood, and the impact of environmental influences.
- Be aware of the antecedents of selected developmental disabilities including ADHD, autism, intellectual and physical disabilities.
- Identify methods to detect cognitive and motor delays in infancy.
- Identify methods to detect physical and cognitive delays in the preschool child.
- Understand the long-term consequences of developmental disabilities.
- Work with an interdisciplinary team and understand its advantages in addressing developmental disabilities.

## Additional Course Information

- Students registered for a 4-week rotation are required to upload the completed and signed mid-rotation feedback form to ICON to receive full credit. Students registered for a 2-week rotation do not need to complete a mid-rotation feedback.
- Students registered for either a 2-week or 4-week rotation are required to complete and upload a Social Determinants of Health assignment to ICON. See ICON for more information.
- Students are required to attend the scheduled Advanced Student Lectures during their rotation. Attendance is mandatory.
- Students are responsible for initiating on-line evaluations.
- Students are required to complete the CCOM Clerkship Evaluation.
- Students are required to evaluate a minimum of 2 Pediatric faculty, fellows, and residents with whom they work throughout the 2-week rotation and a minimum of 4 Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

## PEDS:8415 Medical Genetics for the Senior Student - 4 weeks

**Faculty:** Nicole Safina, MD, and Staff

**Offered:** All blocks

**Administrative** Sofia Ramirez, MBA

**Contact:** 2015-22 BT

[sofia-ramirez@uiowa.edu](mailto:sofia-ramirez@uiowa.edu)

**Max** 1

**Enrollment:**

**Report To:** See ICON or departmental email

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This rotation is designed to give an awareness of clinical and counseling approaches to genetic disorders and birth defects. Students may be scheduled to attend any of the following clinics: general genetics, connective tissue disorders, neurofibromatosis, metabolic (initial and long-term follow-up), cancer predisposition, lysosomal storage disorders, and outreach clinics.

While the majority of clinics will be held in the Peds Specialty Clinic at UI Stead Family Children's Hospital, students will be scheduled for one of the Genetics Outreach Clinics and will be expected to attend. Sites are in Bettendorf, Cedar Falls, Dubuque, and Johnston. Transportation will be provided via shared van. Please see ICON for more information.

## Additional Course Information

- Students are required to upload the completed and signed mid-rotation feedback form to ICON to receive full credit.
- Students are required to complete and upload a Social Determinants of Health assignment to ICON. See ICON

for more information.

- Students are required to attend the scheduled Advanced Student Lectures during their rotation. Attendance is mandatory.
- Students are expected to present a 10-minute case review at the end of the rotation.
- Students are responsible for initiating on-line evaluations.
- Students are required to complete the CCOM Clerkship Evaluation.
- Students are required to evaluate a minimum of 3 Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

## PEDS:8419 Pediatric Rheumatology, Allergy, & Immunology - 4 weeks

**Faculty:** Pediatric Rheumatology, Allergy, & Immunology Staff

**Offered:** All blocks

**Administrative Contact:** Sofia Ramirez, MBA

2015-22 BT

[sofia-ramirez@uiowa.edu](mailto:sofia-ramirez@uiowa.edu)

**Max** 1

**Enrollment:**

**Report To:** See ICON or departmental email.

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The purpose of this elective is to introduce students to the fields of rheumatology and allergy/immunology.

### Course Objectives

Introduce students to the fields of rheumatology and allergy/immunology. These fields are often underrepresented in medical training, yet their importance cannot be understated.

### Additional Course Information

- Students are required to upload the completed and signed mid-rotation feedback form to ICON to receive full credit.
- Students are required to complete and upload a Social Determinants of Health assignment to ICON. See ICON for more information.
- Students are required to complete a Scholarly Mini-Project. See ICON for more information.
- Students are required to attend the scheduled Advanced Student Lectures during their rotation. Attendance is mandatory.
- Students are responsible for initiating on-line evaluations.
- Students are required to complete the CCOM Clerkship Evaluation.
- Students are required to evaluate a minimum of 3 Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

## PEDS:8421 Pediatric Endocrinology - 4 weeks

**Faculty:** Lauren Kanner, MD, and Staff

**Offered:** All blocks

**Administrative** Sofia Ramirez, MBA  
**Contact:** 2015-22 BT  
sofia-ramirez@uiowa.edu

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

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The student will increase his/her knowledge of and proficiency in the diagnosis, management, and treatment of pediatric endocrine diseases such as:

- growth disorders (short stature, tall stature, delayed puberty, precocious puberty)
- thyroid disorders (hypothyroidism, hyperthyroidism, thyroid nodules)
- diabetes mellitus
- diabetes insipidus
- dysgenetic syndromes
- ambiguous genitalia
- adrenal insufficiency or adrenal steroid excess
- and hypopituitarism

#### **Additional Course Information**

- Students are required to upload the completed and signed mid-rotation feedback form to ICON to receive full credit.
- Students are required to complete and upload a Social Determinants of Health assignment to ICON. See ICON for more information.
- Students will give a brief presentation during the last week of the 4-week rotation.
- Students are required to attend the scheduled Advanced Student Learning Lectures during their rotation. Attendance is mandatory.
- Students are responsible for initiating on-line evaluations.
- Students are required to complete the CCOM Clerkship Evaluation.
- Students are required to evaluate a minimum of 3 Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

## **PEDS:8431 Pediatric Nephrology - 4 weeks**

**Faculty:** Amy Strong, MD, and Staff

**Offered:** All blocks

**Administrative** Sofia Ramirez, MBA  
**Contact:** 2015-22 BT  
sofia-ramirez@uiowa.edu

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

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Goals:

- Become familiar with and gain an appreciation for the manifestations of kidney disease in children.
- Begin to formulate management plans for patients with all types of kidney disease.

#### **Additional Course Information**

- Students are required to upload the completed and signed mid-rotation feedback form to ICON to receive full credit.
- Students are required to complete and upload a Social Determinants of Health assignment to ICON. See ICON for more information.
- Students are required to give a short talk during the last week of the 4-week rotation.
- Students are required to attend the scheduled Advanced Student Learning Lectures during their rotation. Attendance is mandatory.
- Students are responsible for initiating on-line evaluations.
- Students are required to complete the CCOM Clerkship Evaluation.
- Students are required to evaluate a minimum of 3 Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

# DEPARTMENT OF PSYCHIATRY

**Director:** [Dr. Emily Morse](#)  
[Dr. Melissa Ludgate](#)

**Contact:** [Hailey Brown](#)  
8915 JPP  
319-356-1254

## PSYC:8401 Adult Psychiatry - 4 weeks

**Faculty:** Dr. Seth Howdeshell

**Offered:** All blocks

**Administrative** Hailey Brown  
**Contact:** [hailey-m-brown@uiowa.edu](mailto:hailey-m-brown@uiowa.edu)  
319-356-1254

**Max** 2  
**Enrollment:**

**Report To:** See ICON or departmental email

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This advanced elective offers the opportunity to study clinical psychiatry in greater depth. Elective clerks carry a smaller case load than residents but are otherwise expected to act as junior residents with staff supervision. Clerks also participate in a program of directed readings, didactic seminars, and clinical conferences. Feedback on directly observed clinical interviews will be provided.

Options include general adult psychiatry, geriatrics, mood, or psychotic disorders/neuropsychiatry. Student learning will emphasize assessment to develop a foundation of skills in clinical interviewing, mental status examination, differential diagnosis, and formulation. Psychotherapeutic and pharmacological management approaches will be emphasized.

A presentation of scholarly work (oral presentation or paper) is required.

Call is not required.

## PSYC:8402 Child Psychiatry - 4 weeks

**Faculty:** Dr. Carissa Gunderson

**Offered:** All blocks

**Administrative** Hailey Brown  
**Contact:** [hailey-m-brown@uiowa.edu](mailto:hailey-m-brown@uiowa.edu)  
319-356-1254

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

This elective offers the student the opportunity to study in depth the behavioral manifestations of psychiatric disorders in children and adolescents. The elective will include both inpatient and outpatient experiences so that students have an opportunity to observe how psychiatrists diagnose and treat acute and chronic disorders in children. Outpatient clinic experiences will include diagnostic evaluations, medication follow-ups, and full team evaluations.

Students will also have the opportunity to observe neuropsychological and psychological evaluations. Students also participate in a program of clinical readings, didactic seminars, and clinical conferences.

This elective is well-suited for the student who is planning a career in pediatrics.

A presentation of scholarly work (oral presentation or paper) is required.

Call is not required

## PSYC:8403 Adult Outpatient Psychiatry - 4 weeks

**Faculty:** Dr. William Welsh

**Offered:** All blocks

**Administrative Contact:** Hailey Brown  
hailey-m-brown@uiowa.edu  
319-356-1254

**Max Enrollment:** 1

**Report To:** See ICON or departmental email

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This elective offers students the opportunity to study outpatient psychiatry and emergency management of psychiatric patients. Students will work alongside senior residents and will be expected to participate with more independence in the diagnostic assessment of new patients in the clinic and evaluation of return patients. An emphasis will be placed on the further development of psychiatric interviewing skills and diagnostic assessment skills.

Students will be exposed to both psychotherapeutic and psychopharmacologic treatment modalities. Observation of group psychotherapy and participation in senior elective clinical readings, resident didactic seminars, and resident clinical conferences may be included experiences. The student will work primarily in the University Adult Psychiatry Outpatient Clinic.

A presentation of scholarly work (oral presentation or paper) is required.

Call is not required.

## PSYC:8404 Women's Wellness - 4 weeks

**Faculty:** Dr. Hristina Koleva

**Offered:** Closed June/July/August

**Administrative** Hailey Brown  
**Contact:** hailey-m-brown@uiowa.edu  
319-356-1254

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

**Special** Prerequisite: must be in last two  
**Conditions:** semesters of M4 year

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Fourth year medical students can pursue a Women's Mental Health senior elective in the Women's Wellness and Counseling Service (WWC) at the University of Iowa Hospitals and Clinics. During this four-week rotation, students will have the opportunity for greater autonomy in evaluation and treatment of women with mental illness with a special emphasis on pregnant and postpartum women. They will be expected to participate in case conferences, attend regularly scheduled educational activities in women's mental health, prepare a presentation for the WWC service, and develop a working knowledge of fundamental literature in this field.

The majority of clinical and educational activities will be devoted to women's mental health. Depending on in the interests of the student, other psychiatric learning activities will be arranged during this rotation.

A presentation of scholarly work (oral presentation or paper) is required.

Call is not required.

## PSYC:8405 Advanced Inpatient Sub-Internship in Medical Psychiatry - 4 weeks

**Faculty:** Dr. Vicki Kijewski & Dr. Melissa Ludgate

**Offered:** All blocks

**Administrative** Hailey Brown  
**Contact:** hailey-m-brown@uiowa.edu  
319-356-1254

**Max** 2  
**Enrollment:**

**Report To:** See ICON or departmental email

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The Medical Psychiatry Clerkship is designed to provide hands-on experience in the evaluation and treatment of patients with combined medical and psychiatric disease. The fourth-year student under the supervision of residents in both medicine and psychiatry will learn to make appropriate medical and psychiatric diagnoses while considering the relationship of these conditions.

The student will act at intern level selecting appropriate consultations, diagnostic tests, and treatments. The student will practice daily documentation and handoffs for patient care.

The student will be expected to develop familiarity with the etiology and pathophysiology of the conditions being treated, review potential complications, and develop skills in direct interactions with the patients to facilitate team-teaching and patient care. Participation in resident didactic seminars, and clinical conferences are expected of the clerk during this elective.

A presentation of scholarly work (oral presentation or paper) is required.

### Additional Course Information

Contact Dr. Vicki Kijewski for details about the noon conference schedule at the beginning of the elective. Participation in senior elective clinical readings, resident didactic seminars, and resident clinical conferences are expected of the clerk during this elective.

## PSYC:8408 Advanced Inpatient Sub-I in Mood/Psychotic Disorders - 4 weeks

**Faculty:** Dr. Seth Howdeshell

**Offered:** All blocks

**Administrative** Hailey Brown  
**Contact:** hailey-m-brown@uiowa.edu  
319-356-1254

**Max** 2  
**Enrollment:**

**Report To:** See ICON or departmental email

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The sub-internship in adult psychiatry will provide an experience for the student that maximizes autonomy and responsibility. The inpatient rotation will focus on one sub-specialty area (psychotic disorders or mood disorders) and emphasize the substantial other medical co-morbidities. The sub-Intern will be expected to assess and address the medical and psychiatric needs of their assigned patients in a collaborative and integrative fashion.

Students will be expected to assess and manage their patients independently at the level of a psychiatry intern, reporting directly to the attending.

A presentation of scholarly work (oral presentation or paper) is required.

Call is required.

## PSYC:8409 Eating Disorders - 4 weeks

**Faculty:** Dr. Aislinn Williams

**Offered:** All blocks

**Administrative** Hailey Brown  
**Contact:** hailey-m-brown@uiowa.edu  
319-356-1254

**Max** 1  
**Enrollment:**

**Report To:** See ICON or departmental email

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The elective in eating disorders will provide an experience for the student that maximizes autonomy and responsibility. The inpatient or partial hospital rotation will emphasize the co-occurring psychiatric and co-morbid medical conditions associated with the eating disorders.

Students will be expected to assess and manage their patients at an advanced level. Students will provide direct patient care and engage in clinical decision making for complex patients with substantial co-morbidity. The didactic

curriculum focuses on critical appraisal of the relevant medical literature. Students will be introduced to cognitive behavioral psychotherapy techniques.

A presentation of scholarly work (oral presentation or paper) is required.

Call is not required.

# DEPARTMENT OF RADIOLOGY

**Director:** Antonio Zafred Marcelino, MD, PhD, MBA

**Contact:** [Amber Thoma](#)  
3980 JPP  
319-384-9850

## RAD:8401 Advanced Clinical Radiology - 4 weeks

**Faculty:** Antonio Zafred Marcelino, MD, PhD,  
MBA

**Offered:** All blocks

**Administrative** Amber Thoma  
**Contact:** 3980 JPP  
319-384-9850  
amber-thoma-1@uiowa.edu

**Max** 6  
**Enrollment:**

**Report To:** See ICON or departmental email

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This elective is intended for students who want to improve their radiologic abilities whether or not they plan to pursue a career in radiology. The course consists of 2/4 one-week blocks in the radiologic subspecialties of the student's choice. This is a hands-on rotation in which the student will become a full member of the clinical team participating in all aspects of patient care including radiologic procedures. In addition, there is a program of lectures, case presentations, and guided self-instruction to update the student on the latest regarding integrating diagnostic and interventional imaging into patient management.

Upon successful completion of the rotation, the student will be able to: 1) develop differential diagnoses of common pathology based on radiographic imaging, and 2) understand the appropriate integration of radiologic imaging into patient management.

## RAD:8402 Vascular and Interventional Radiology - 4 weeks

**Faculty:** Sandeep Laroia, MD

**Offered:** All blocks pending approval of Dr. Sandeep Laroia

**Administrative** Amber Thoma  
**Contact:** 3980 JPP  
319-384-9850  
amber-thoma-1@uiowa.edu

**Max** 2  
**Enrollment:**

**Report To:** See ICON or departmental email

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The purpose of this elective is to expose the student to the broad range of diagnostic and therapeutic procedures performed by Interventional Radiology. Interventional radiology is a subspecialty of Radiology, which is responsible for the performance of a wide array of percutaneous, vascular and non-vascular procedures. These include angiography, angioplasty, vascular reconstructions, vascular embolization, percutaneous nephrostomies, biliary drainage, and placement of custom devices in the vascular tree and elsewhere.

Students in this elective will join the clinical interventional service, staff, fellows and residents. You will be expected to participate in the diagnostic workup and management of interventional patients as well as the performance of selected interventional procedures. You will be involved in the daily readouts and teaching on the interventional clinical service and participate in interventional and interdisciplinary interventional conferences and familiarize yourself with research opportunities.

# DEPARTMENT OF RADIATION ONCOLOGY

**Director:** [Dr. Carryn Anderson](#)

**Contact:** [Shawn Reynolds](#)  
01626 LL PFP  
319-356-2699

## RADO:8401 Radiation Oncology - 4 weeks

**Faculty:** Carryn Anderson, MD

**Offered:** All blocks

**Administrative** Shawn Reynolds

**Max** 3

**Contact:** 319-356-2699

**Enrollment:**

shawn-reynolds@uiowa.edu

**Report To:** See ICON or departmental email

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Students are involved directly with patient care and management under the immediate supervision of the faculty. They rotate through all five clinical services:

- Head and Neck Carcinoma
- Thoracic
- GI/GU/Metastases
- Lymphoma/CNS/Pediatrics
- Gynecological/Breast/Sarcomas

Under the direction of the faculty, the students evaluate patients for radiotherapy and help plan the course of radiotherapy treatments. They also participate in the discussion regarding these patients in multidisciplinary tumor boards and departmental conferences. The students are exposed to a variety of neoplasms and attend the multidisciplinary conferences relating to their patients.

The goal of the course is to expose the student to the field of radiation oncology and cancer management and give them an understanding of the interactions of radiation therapy, chemotherapy, and surgery.

# DEPARTMENT OF SURGERY

**Director:** Dr. Luis Garcia

**Contact:** [Kailey Marlow](#)  
1527-1 JCP  
319-356-4499

## SURG:8401 Advanced General Surgery - 4 weeks

**Faculty:** Department of Surgery Faculty

**Offered:** All blocks

**Administrative** Kailey Marlow  
**Contact:** 1527-1 JCP  
319-356-4499  
kailey-marlow@uiowa.edu

**Max** 4  
**Enrollment:**

**Report To:** See ICON or departmental email

**Special Conditions:** No more than one senior can be on a general surgery team with junior students on their required clerkship, whether those students are doing electives or sub-internships.

Coordinator will request team preferences prior to rotation start date.

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Students on senior electives in surgery will increase their knowledge by focusing on a specific area of surgical practice with a particular full-time faculty member, serving as a preceptor. The students will strengthen their clinical skills in perioperative patient assessment and management, in use of diagnostic studies pertinent to the surgeon's practice and assisting or performing procedures under direct supervision.

A broad range of clinical activities in the operating room, clinics, wards, and intensive care units is possible depending on the preceptor's practice. This may also include night and/or weekend call activity at the discretion of the preceptor. However, more than 40 but less than 80 total hours of clinical activity should be expected.

## SURG:8402 Advanced Inpatient Sub-Internship in General Surgery - 4 weeks

**Faculty:** General Surgery Staff

**Offered:** All blocks

**Administrative** Kailey Marlow  
**Contact:** 1527-1 JCP  
319-356-4499  
kailey-marlow@uiowa.edu

**Max** 5  
**Enrollment:**

**Report To:** See ICON or departmental email

**Special Conditions:** Only one student per team.

Coordinator will request team preferences prior to rotation start date.

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Sub-interns will improve students' clinical skills by assuming an intern's level of responsibility for the assessment and management of a limited number of patients, under the direct supervision of a senior surgery resident. The sub-interns will increase their proficiency with perioperative patient assessment and management, including selecting and interpreting appropriate laboratory and radiologic studies. Sub-interns may also participate in procedures, but at least 80% of their time should be spent managing in-patients.

Sub-interns will accomplish this by working as a member of a surgical resident team, including approximately weekly night/weekend call at the same time as a faculty member on the team so that the sub-interns may participate in the entire spectrum of patient management from the stage of initial surgical consultation.

Sub-interns will be asked to submit goals and strategies for achieving their goals in advance. The chief residents will be asked to review and revise these goals as appropriate. At the end of the month, sub-interns will be asked to review how these goals have been met with the course director, residency program director, or chair of surgery.

## SURG:8419 Advanced Inpatient Sub-Internship in Plastic Surgery - 4 weeks

**Faculty:** Dr. Jerrod Keith

**Offered:** All blocks

**Administrative** Briana Horwath

**Max** 2

**Contact:** Plastics Education Coordinator  
Briana-horwath@uiowa.edu  
319-678-8160  
1531 JCP

**Enrollment:**

Kailey Marlow  
319-356-4499  
kailey-marlow@uiowa.edu  
Surgery  
1527-1 JCP

**Report To:** See ICON or departmental email

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Provide students with an interest in Plastic and Reconstructive Surgery exposure to a wide range of educational opportunities and to the complexity and diversity of healthcare in the Plastic Surgery setting, specifically related to policies, environment, cultural, socioeconomic, and financial considerations. This sub-internship will provide experience in all areas of Plastic Surgery, which include: craniofacial, hand, reconstruction, and aesthetic surgery.

### Course Objectives

- Demonstrate knowledge of how alterations of normal structure and function cause the need for Plastic Surgery intervention
- Integrate medical knowledge and clinical findings to develop treatment plans for patients on the Plastic Surgery Service

- Perform physical assessments of Plastic Surgery patients
- Integrate knowledge of the mechanisms of health and disease, and the concerns, needs, and expectations of a patient in order to take an appropriate history, perform a physical examination, and develop a treatment plan
- Report clinical data by obtaining and communicating clinical facts pertaining to patients on the Plastic Surgery Service in an organized manner that demonstrates understanding and synthesis of findings
- Demonstrate knowledge of the Plastic Surgery population and the unique ethical and legal principles of care in Plastic Surgery
- Demonstrate respect, empathy, and compassion towards patients and healthcare team members
- Participate in team discussions and demonstrate an understanding of the complexity of access and diversity of healthcare in the Plastic Surgery setting, specifically related to policies, environment, cultural, socioeconomic, and finance during patient care
- Effectively present information and ideas to others on the healthcare team, communicating patient healthcare status to the team, the patient, and the patient's family and writing appropriate clinical notes
- Participate in workflow for the intern level: the student will replete electrolytes, monitor I/Os, monitor tubes/lines/drainage, how to communicate with nursing about daily requirements

## SURG:8420 Plastic Surgery - 4 weeks

**Faculty:** Dr. Jerrod Keith

**Offered:** May - November

**Administrative** Briana Horwath  
**Contact:** Plastics Education Coordinator  
 Briana-horwath@uiowa.edu  
 319-678-8160  
 1531 JCP

**Max** 1  
**Enrollment:**

Kailey Marlow  
 319-356-4499  
 kailey-marlow@uiowa.edu  
 Surgery  
 1527-1 JCP

**Special Conditions:** Intended only for students pursuing plastic surgery

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Provides medical students who plan to pursue a career in Plastic and Reconstructive Surgery, exposure to a wide range of educational opportunities. This advanced elective offers experience in all areas of Plastic Surgery, including craniofacial, hand, reconstruction, and aesthetic surgery. Students will have the opportunity to work closely with the Plastic Surgery faculty, fellows, and residents, as well as have direct mentoring access to the Program Director and Associate Program Director. This elective aims to enhance students' understanding of both the technical and patient care aspects of plastic surgery, including reconstructive and cosmetic procedures. The rationale for its value lies in its ability to offer specialized training that can improve surgical skills, patient outcomes, and overall knowledge in a highly specialized area of medicine and support those who are interested in pursuing a career in Plastic Surgery.

# DEPARTMENT OF UROLOGY

**Director:** Dr. Annah Vollstedt

**Contact:** [Bailey Hawkins](#)  
3122-1 RCP  
319-384-9152

## URO:8401 Advanced Clinical Urology - 4 weeks

**Faculty:** Dr. Vollstedt & Department of  
Urology Faculty

**Offered:** All blocks

**Administrative** Mikaela Lighty  
**Contact:** 319-384-7952  
mikaela-lighty@uiowa.edu

**Max** 4  
**Enrollment:**

Kelly Norton  
319-356-8707  
kelly-norton@uiowa.edu

**Report To:** See ICON or departmental email

**Special Conditions:** Students considering a Urology residency are encouraged to meet with Dr. Vollstedt, Dr. Tracy and Dr. Kreder.

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The student will become an integral member of the team, functioning at the PGY-1 level (i.e. responsible for histories and physicals on admission, daily inpatient rounds, including rounding on one weekend, attending surgery, and seeing patients in the urology clinic). The student will be expected to attend all conferences including Indications, Radiology, Grand Rounds, Morbidity and Mortality, and Pediatric Urology Conference. The student will present a 15-minute Grand Rounds-style presentation on an urologic topic of their choosing after conferring with the clerkship director. The student will be given graded responsibility for as much as possible in surgical cases.