

University of Iowa
Carver College of Medicine

Course Descriptions for
Visiting Students
2023

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

Revised 2/23/2023

DEPARTMENT OF ANESTHESIA

Director: [Dr. Katherine Keech](#)
[Dr. Yasser El-Hattab](#)
[Dr. Shawn Simmons](#) - SNICU

Contact: Lorri Barnes
6617 JCP
319-384-9273

ANES:8401 Clinical Anesthesia Senior Rotation - 4 weeks

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

Offered: All blocks

Administrative Lorri Barnes
Contact: 6505-5 JCP
319-384-9273
lorri-barnes@uiowa.edu

Max 4
Enrollment:

Report To: See ICON or departmental email

Special Prerequisite: ANES:8301
Conditions: Max 3 seats: May, June, July & August 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, neuro, cardiac, pediatrics, regional). Completion of an academic project (case report and discussion) 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: 6505-5 JCP
319-384-9273
lorri-barnes@uiowa.edu

Max 12
Enrollment:

Report To: See ICON or departmental email

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 trauma, transplant, and post-surgical patients 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. Learn about neurologic monitoring, management of intracranial pressure, management of closed head injuries and exposure to management of other neurologic and neurosurgical emergencies.
8. 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 and the CVICU.

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
319-356-4518

Max 2

Enrollment:

Report To: See ICON or departmental email.

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: [Kate Scheer](#)
40024 PFP
319-356-1694

[Pat Swenka](#)
40028 PFP
319-384-5470

DERM:8401 Dermatology Elective - 4 weeks

Faculty: Dr. Liu and Staff

Offered: All blocks

Administrative Kate Scheer
Contact: 319-356-1694
kathryn-scheer@uiowa.edu

Max 2
Enrollment:

Patricia Swenka
319-384-5470
patricia-swenka@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. Brooks Obr](#)
[Dr. Carly Theiler](#)

Contact: [Nathan Kramer](#)
1010 RCP
319-384-7290

EM:8401 Advanced Life Support Skills - 4 weeks

Faculty: Dr. Jon Van Heukelom

Offered: 7/3/23 Only
7/8/24 Only

Administrative Contact: Nate Kramer
319-384-7290
nathan-kramer@uiowa.edu

Max Enrollment: 20

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 department at UIHC.

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 include a wilderness medicine race at Lake MacBride.

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. Brooks Obr

Offered: Closed July Block

Administrative Contact: Nate Kramer
319-384-7290
nathan-kramer@uiowa.edu

Max Enrollment: 5

Report To: See ICON or departmental email

Special Conditions: All time off requests must be submitted 2-weeks prior to the start of the rotation.

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

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

This course is a more rigorous/in-depth Emergency Medicine experience, only 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 UIHC.

A 4-week clerkship with emergency medicine residents and faculty in which the principles of acute care medicine and the approach to life threatening disease are emphasized. The student will perform under the close supervision of the staff and resident physicians in the Emergency Department.

Students will be scheduled for 14 shifts. A combination of day, evening, and night shifts including weekdays and weekends is required to maximize exposure to a wide range of patient presentations.

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

Students must attend orientation typically at 8:00 am on the first day of the clerkship followed by a didactic day. . Students are additionally required to complete a systems-based practice project and ethics paper. Student evaluation will be based on a combination of ED clinical performance and an EM Shelf exam.

Additional Course Information

If you are considering emergency medicine as a specialty choice, it is strongly recommended that you rotate at the University of Iowa Hospitals and Clinics in Iowa City for purposes of obtaining a Standardized Letter of Evaluation (SLOE).

EM:8411 Medical Toxicology UIHC - 4 weeks

Faculty: Dr. Marielle Brenner

Offered: Arranged - Permission Required.
Email nathan-kramer@uiowa.edu

Administrative Nate Kramer
Contact: 319-384-7290
nathan-kramer@uiowa.edu

Max 3
Enrollment:

Report To: See ICON or departmental email.

Special Grading is PASS/FAIL only
Conditions:
Prerequisite: Completion of
Emergency Medicine or Critical Care
Medicine (excluding NICU).

Student responsibilities: The rotation will center on our morning rounds for the Toxicology Consult Service. We work in conjunction with the Iowa Poison Control Center and do bedside evaluations of our patients. Students will be responsible for seeing patients prior to rounding, and then presenting them to the toxicology staff and the rest of the consult team on rounds each morning. Treatment plans will be discussed, and this will be relayed to the primary/consulting team. Students will also be responsible for assisting the Poison Control Center in obtaining and recording data on the patients that we see. During the day, students may also join the toxicology staff and any residents while evaluating new patients in the Emergency Department or elsewhere in the hospital. We will also review Poison Center cases from elsewhere in the state to get more exposure to real-life cases. Depending on the census of the service, students will likely be responsible for 1-2 patients at a time. The types of patients that the student will see will depend on the types of patients and overdoses that present to the hospital.

Along with the student's clinical responsibilities, they will give a short presentation on a subject of interest relating to medical toxicology. Students may also be asked to give more informal presentations on topics that come up during rounds. Students will be evaluated based on completion of assigned tasks, attendance and participation, as well as their knowledge, clinical skills, and professionalism. Grading is pass/fail. To pass the rotation, the student must attend daily rounds, pre-round and present assigned patients, participate actively in didactics, and give their presentation.

Course Objectives

Students will undergo an in-depth introduction to Medical Toxicology. This 2- or 4-week elective will teach students how to recognize and treat the various toxidromes, as well as the most common toxicologic exposures. Students will be introduced to initial management steps for life-threatening toxicologic exposures, as well. Teaching will focus on the basics of pathophysiology and pharmacology to understand how drugs affect our patients. We will also focus on critical assessment of laboratory and other data obtained on the poisoned patient.

Additional Course Information

Didactics: Small group didactics will take place on a daily basis. Didactic teaching will cover a lecture series of core toxicology topics to reinforce and elaborate on what we discuss during rounds. Lectures will cover toxidromes, decontamination principles, acetaminophen, salicylates, antidepressants, antipsychotics, lithium, iron, antiepileptics, calcium-channel blockers, beta-blockers, digoxin, anticoagulants, common household products, carbon monoxide, cyanide, serotonin syndrome, neuroleptic malignant syndrome, and drugs of abuse. Students will also be expected to attend weekly Emergency Medicine conference held each Thursday morning. There will also be monthly or bi-weekly toxicology journal clubs. There may also be opportunities to participate in regional and/or national case conferences (via telephone or web-based applications), depending on the dates of these conferences.

DEPARTMENT OF FAMILY MEDICINE

Director: [Dr. Stacey Appenheimer](#)

Contact: [Megan Garringer](#)
01293-C PFP
319-384-7517

FAM:8402 University of Iowa Family Medicine - 4 weeks

Faculty: Stacey Appenheimer, MD, Course Director

Offered: All blocks

Administrative Megan Garringer

Contact: 319-384-7517
fm-clerkship@uiowa.edu

Max 1
Enrollment:

Report To: See ICON or departmental email

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 the Family Care Center.
- 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 Megan Garringer

Contact: 319-384-7517
fm-clerkship@uiowa.edu

Max 1
Enrollment:

Report To: See ICON or departmental email

Special Permission Required.
Conditions: Transportation Required.

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, and the rural office in Riverside.

Work collaboratively with other members of the health care team

DEPARTMENT OF INTERNAL MEDICINE

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

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

Contact: [Kathleen Steenlage](#)

E328-4 GH
319-356-2333

IM:8410 Clinical Allergy-Immunology - 4 weeks

Faculty: Dr. Hanna Zembrzka and Staff

Offered: All blocks

Administrative Elsa Thomas, C42-E1 GH

Contact: 319-356-8955
elsa-thomas@uiowa.edu

Max 1

Enrollment:

Report To: See ICON or departmental email

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. Donald Brown, Course Director;
Staff of 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

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 at the Cardiovascular Clinic and/or Cardiovascular in-patient consult service (at the UIHC or VAH for consults). He/she will become familiar with techniques and regimens of management of ischemic heart disease, pre- and post-operative conditions, and the chronic cardiac states seen frequently in clinical cardiology, such as congestive heart failure and 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 computer assisted instruction, assigned readings, and meeting with one of our cardiology fellows.

The elective consists of either four weeks on the UIHC Clinic Service, or two weeks on the UIHC Clinic Service plus two weeks on General Cardiology In-patient Consult Service or two weeks on the VA Consult Service. In general, no more than one student can be assigned to the Cardiology Clinic at one time. If students have preferences as to their assignment during this rotation, they should contact Kathleen Detert, 354-8756, E316-1 GH, as soon as they have been notified of their acceptance into this elective.

IM:8414 Clinical Endocrinology - 4 weeks

Faculty: Dr. Ogunsakin and Staff

Offered: All blocks

Administrative Laura Deines, E400, GH

Max 2

Contact: 319-384-8305
laura-deines@uiowa.edu

Enrollment:

Report To: See ICON or departmental email

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, 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. When the consult service is not busy, students will also have the opportunity to spend all or part of their morning seeing patients in clinic with a staff physician.

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 2:00 – 3:00 pm

- Endocrinology Clinical Conference: Mondays 4:00 – 5:00 pm.
- Internal Medicine Grand Rounds: Thursdays Noon, Med Alumni Aud
- Endocrine Grand Rounds: Fridays 7:30 – 8:15 am.

IM:8416 Clinical Gastroenterology-Hepatology - 4 weeks

Faculty: Gastroenterology-Hepatology Staff

Offered: All blocks

Administrative Hilary Humphrey, 4608 JCP

Max 1

Contact: 319-356-2132

Enrollment:

Report To: See ICON or departmental email

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 Erin Thompson, C-32 GH
Contact: 319-356-2148
erin-m-thompson@uiowa.edu

Max 1
Enrollment:

Report To: See ICON or departmental email

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 Stephanie Cecil, SW54-13 GH
Contact: 319-356-7740
stephanie-cecil@uiowa.edu

Max 2
Enrollment:

Report To: See ICON or departmental email

Course Objectives

The student will:

1. Increase their understanding of the pathogenesis of infectious diseases and of the host's reaction to such disease processes;
2. Increase proficiency in the diagnosis and management of patients with infectious diseases, including the proper use of antibiotics;
3. Learn to apply clinical microbiology to the diagnosis of infectious diseases.

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 Contact: Linda Silich, C33 F GH
linda-silich@uiowa.edu

Max Enrollment: 2

Report To: See ICON or departmental email

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. Antes & Renal Division Staff

Offered: All blocks

Administrative Contact: Morgan Ebel, E300 GH
319-356-4113
morgan-ebel@uiowa.edu

Max Enrollment: 1

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 Zembrzka and Division Faculty

Offered: All blocks

Administrative Contact: Elsa Thomas, C42-E1 GH
319-356-8955
elsa-thomas@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

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. Tracey Cho](#)

Contact: [Heather Clement](#)
S713 GH
319-467-8055

NEUR:8401 Advanced Inpatient Neurology - 4 weeks

Faculty: Dr. Cho

Offered: All blocks

Administrative Heather Clement

Max 1

Contact: 319-467-8055
heather-clement@uiowa.edu

Enrollment:

Report To: See ICON or departmental email

Intensive period of experience dealing with diagnosis of patients hospitalized because of neurologic disease. The student will be responsible for the initial assessment outline management plans and will be responsible for daily care, under the supervision of faculty and senior residents. Daily clinical conferences and teaching rounds are included.

NEUR:8402 Advanced Outpatient Neurology - 4 weeks

Faculty: Dr. Cho

Offered: All blocks

Administrative Heather Clement

Max 1

Contact: 319-467-8055
heather-clement@uiowa.edu

Enrollment:

Report To: See ICON or departmental email

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. Departmental conferences are held daily.

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

Faculty: Dr. Cho

Offered: All blocks

Administrative Contact: Heather Clement
319-467-8055
heather-clement@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

This 4-week course provides opportunities in which the student to do the following

- Develop skills related to the management of patients hospitalized with acute neurological disease
- Gain experience in the diagnosis, evaluation, and treatment of patients with acute neurologic disease in the emergency department setting and on inpatient units
- Participate in the emergency and acute medical management of patients, including the treatment of comorbid diseases, prevention and treatment of acute complications, initiation the therapies to prevent recurrent stroke, and development of plans for recovery and rehabilitation, including discharge planning.

The student will have direct patient care under the supervision of the faculty and senior level residents or fellows.

Course Objectives

The student will have appropriate management responsibilities for all aspects of patient care.

- The student will follow assigned patients who are admitted for critical care to the surgical and neuroscience intensive care unit
- The student will be involved in evening call on the stroke service
- The student is expected to develop plans for evaluation and treatment of patients.
- The student is expected to prepare clinical notes and orders that can be forwarded to faculty and residents.
- The student is expected to join the team huddles in which allied health professionals also are present.

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

Max 5

Enrollment:

Report To: See ICON or departmental email.

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: [Dr. Sarah Shaffer](#), DO, MME

Assistant Director
[Dr. Michael Haugsdal](#), MD

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

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

Faculty: Andrea Greiner, MD, Faculty Director

Offered: 2023 available
February 6 - March 3
April 3 - April 28
May 29 - June 23
July 31 - August 25
September 25 - October 20
November 21 - December 15

2024 - all blocks

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

Max 1
Enrollment:

Report To: See ICON or departmental email

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: Emily K. Hill, 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

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 his/her 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 sub-intern will complete two Foundational Science Learning Reports.

OBG:8403 Reproductive Endocrinology - 4 weeks

Faculty: Hakan Duran, MD, Faculty Director

Offered: All blocks

Administrative Sally Fisher

Max 1

Contact: 319-384-8654

Enrollment:

sally-fisher@uiowa.edu

Report To: See ICON or departmental email

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.
- Participate in 4th year Professionalism Seminar.

OBG:8405 Urogynecology - 4 weeks

Faculty: Kimberly Kenne, MD, Faculty Director

Offered: All blocks

Administrative Sally Fisher

Max 1

Contact: 319-384-8654

Enrollment:

sally-fisher@uiowa.edu

Report To: See ICON or departmental email

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

Max 1

Contact: 319-384-8654
sally-fisher@uiowa.edu

Enrollment:

Report To: See ICON or departmental email

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 at 6:30 AM Tuesday, and 7:00 – 7:30 AM Wed., Thurs., and Friday.

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 rounds including 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: Arranged

Administrative Tonya Looker

Max 1

Contact: 319-356-2921
tonya-looker@uiowa.edu

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;
- 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

Max 1

Contact: 319-356-2921
tonya-looker@uiowa.edu

Enrollment:

Report To: See ICON or departmental email

Special Prerequisite: OPHT:8301
Conditions:

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: [Dr. Benjamin Miller](#)
[Dr. Heather Kowalski](#)
[Dr. Philip Chen](#) - PM&R

Contact: [Kelly Schnoebelen](#)
01029 JPP
319-356-3090

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

Faculty: Orthopedic Faculty

Offered: All blocks

Administrative Kelly Schnoebelen
Contact: 01006 JPP, 319-356-3090
kelly-j-schnoebelen@uiowa.edu

Max 2
Enrollment:

Report To: See ICON or departmental email

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 Kelly Schnoebelen
Contact: 01006 JPP, 319-356-3090
kelly-j-schnoebelen@uiowa.edu

Max 2
Enrollment:

Report To: See ICON or departmental email

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 Kelly Schnoebelen
Contact: 01006 JPP, 319-356-3090
kelly-j-schnoebelen@uiowa.edu

Max 1
Enrollment:

Report To: See ICON or departmental email

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 Kelly Schnoebelen
Contact: 01006 JPP, 319-356-3090
kelly-j-schnoebelen@uiowa.edu

Max 1
Enrollment:

Report To: See ICON or departmental email

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 Kelly Schnoebelen
Contact: 01006 JPP, 319-356-3090
kelly-j-schnoebelen@uiowa.edu

Max 1
Enrollment:

Report To: See ICON or departmental email

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 Contact: Kelly Schnoebelen
01006 JPP, 319-356-3090
kelly-j-schnoebelen@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

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 Contact: Kelly Schnoebelen
01006 JPP, 319-356-3090
kelly-j-schnoebelen@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

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-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 Contact: Kelly Schnoebelen
01006 JPP, 319-356-3090
kelly-j-schnoebelen@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

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.

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

Contact: 319-384-8277

julie-kobliska@uiowa.edu

Max 3

Enrollment:

Report To: See ICON or departmental email

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

Contact: [Angela Briggs](#)
C681 GH
319-384-6388

PATH:8402 Hematopathology Clerkship - 4 weeks

Faculty: Drs. S. Bhagavathi, S. Syrbu, C. Holman

Offered: All blocks

Administrative Contact: Angela Briggs
319-384-6388
angela-briggs@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

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. Anthony Snow and Staff

Offered: Closed March

Administrative Contact: Angela Briggs
319-384-6388
angela-briggs@uiowa.edu

Max Enrollment: 2

Report To: See ICON or departmental email

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.

The student will actively participate in surgical pathology by:

- observing the gross and assisting in the microscopic examination, clinical pathological correlation and report preparation of current surgical and medical specimens,
- participating in daily surgical pathology conferences.

PATH:8404 Transfusion Medicine - 4 weeks

Faculty: Drs. M. Knudson, A. Schlueter, J. Blau,
and B. Jackson

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

Administrative Contact: Angela Briggs
319-384-6388
angela-briggs@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

Special Conditions: No holidays or weekends.

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

Upon completion of the clinical clerkship the student will:

1. Understand the indications for the transfusion of components such as platelets, plasma, RBC's and cryoprecipitate.
2. Participate in Morning Report and be aware of common indications for therapeutic apheresis and therapeutic phlebotomy, and the common risks and complications associated with these procedures.
3. Assist in the writeup of reports on patients with complex RBC antibodies and in patients who experience transfusion reactions.
4. Observe specific procedures such as: plasmapheresis, photopheresis, therapeutic phlebotomy, and peripheral blood progenitor cell collection (optional).
5. Participate in an offsite blood drive with DeGowin Donor Center Staff (optional).
6. Be familiar with basic Blood Bank procedures including techniques of erythrocyte typing, compatibility testing, antibody detection and antibody identification. Students will participate in specific procedures including pretransfusion compatibility testing, RBC typing and/or antibody screen.
7. Give a 30 min presentation on a Transfusion Medicine topic.

Students performing a 4-week rotation (Monday–Friday only) will have progressively more lab electives, pager coverage and will be expected to give a short case presentation at CP morning report in addition to the 30-minute presentation on Transfusion Medicine topic.

DEPARTMENT OF PEDIATRICS

Director: [Kristen Sandgren](#), MD

Contact: [Sofia Ramirez](#)
BT 2015-22
319-356-7824

[Barbara Lewis](#)
BT 2015-23
319-678-3268

PEDS:8406 Pediatric Pulmonology - 4 weeks

Faculty: Scott Sheets, DO & Staff

Offered: All blocks

Administrative Barb Lewis, UIHC
Contact: Barbara-lewis@uiowa.edu
319-678-3268

Max 1
Enrollment:

Report To: See ICON or departmental email.

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: Ben Reinking, MD and Staff

Offered: All blocks

Administrative Contact: Barb Lewis, UIHC
Barbara-lewis@uiowa.edu
319-678-3268

Max Enrollment: 1

Report To: See ICON or departmental email

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: Eyad Hanna, MD and Staff

Offered: All blocks

Administrative Contact: Barb Lewis, UIHC
Barbara-lewis@uiowa.edu
319-678-3268

Max Enrollment: 2

Report To: See ICON or departmental email.

The student will increase his 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: David Claassen, MD and Staff

Offered: All blocks

Administrative Barb Lewis, UIHC

Max 1

Contact: Barbara-lewis@uiowa.edu
319-678-3268

Enrollment:

Report To: See ICON or departmental email.

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 Barb Lewis, UIHC
Contact: Barbara-lewis@uiowa.edu
319-678-3268

Max 1
Enrollment:

Report To: See ICON or departmental email

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: Marcio Leyser MD and Staff

Offered: All blocks

Administrative Barb Lewis, UIHC
Contact: Barbara-lewis@uiowa.edu
319-678-3268

Max 1
Enrollment:

Report To: See ICON or departmental email.

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 Barb Lewis, UIHC

Max 1

Contact: Barbara-lewis@uiowa.edu
319-678-3268

Enrollment:

Report To: See ICON or departmental email

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

Offered: All blocks

Administrative Contact: Barb Lewis, UIHC
Barbara-lewis@uiowa.edu
319-678-3268

Max Enrollment: 2

Report To: See ICON or departmental email.

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 Contact: Barb Lewis, UIHC
Barbara-lewis@uiowa.edu
319-678-3268

Max Enrollment: 1

Report To: See ICON or departmental email

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: Jennifer Jetton, MD and Staff

Offered: All blocks

Administrative Contact: Barb Lewis, UIHC
Barbara-lewis@uiowa.edu
319-678-3268

Max Enrollment: 1

Report To: See ICON or departmental email

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 Oepping](#)
8915 JPP
319-356-1254

PSYC:8401 Adult Psychiatry - 4 weeks

Faculty: Dr. Holly Van Den Beldt

Offered: All blocks

Administrative Hailey Oepping
Contact: hailey-oepping@uiowa.edu
319-356-1254

Max 2
Enrollment:

Report To: See ICON or departmental email

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 Oepping
Contact: hailey-oepping@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. Emily Morse

Offered: All blocks

Administrative Contact: Hailey Oepping
hailey-oepping@uiowa.edu
319-356-1254

Max Enrollment: 1

Report To: See ICON or departmental email

This elective offers students the opportunity to study outpatient psychiatry and emergency management of psychiatric patients. Students will be expected to participate with more independence in the diagnostic assessment of new patients in the clinic, as well as to assist senior residents in the evaluation and treatment of patients with psychiatric emergencies. 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 are expected of the clerk during this elective. The elective will be tailored as possible to the student's interests, including exposure to the University Adult Psychiatry Outpatient Clinic, the VA Adult Psychiatry Outpatient Clinic, geriatric evaluations, addictions treatment, and community psychiatry sites.

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 Contact: Hailey Oepping
hailey-oepping@uiowa.edu
319-356-1254

Max Enrollment: 1

Report To: See ICON or departmental email

Special Conditions: Prerequisite: In M4 year

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 and at the VA Women's Clinic. 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 Contact: Hailey Oepping
hailey-oepping@uiowa.edu
319-356-1254

Max Enrollment: 2

Report To: See ICON or departmental email

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. Holly Van Den Beldt

Offered: All blocks

Administrative Contact: Hailey Oepping
hailey-oepping@uiowa.edu
319-356-1254

Max Enrollment: 2

Report To: See ICON or departmental email

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.

DEPARTMENT OF RADIOLOGY

Director: [Dr. Maheen Rajput](#)
[Dr. Nastaran Fatemi](#)

Contact: [Lucy Fasano](#)
3970 JPP
319-384-9850

RAD:8401 Advanced Clinical Radiology - 4 weeks

Faculty: Drs. Maheen Rajput and Nastaran Fatemi

Offered: All blocks

Administrative Lucy Fasano
Contact: 319-384-9850
lucy-fasano@uiowa.edu

Max 6
Enrollment:

Report To: See ICON or departmental email

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: Mohammad Amarneh, MD

Offered: All blocks pending approval of Dr. Amarneh.

Administrative Lucy Fasano
Contact: 319-384-9850
lucy-fasano@uiowa.edu

Max 2
Enrollment:

Report To: See ICON or departmental email

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. Kristin Plichta](#)

Contact: [Shawn Reynolds](#)

01626 PFPW

319-356-2699

RADO:8401 Radiation Oncology - 4 weeks

Faculty: Kristin Plichta, MD

Offered: All blocks

Administrative Fatima Kenjar

Contact: 319-384-6135

fatima-kenjar@uiowa.edu

Max 3

Enrollment:

Report To: See ICON or departmental email

Students are involved directly with the 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. Jennifer Hrabe](#)
[Dr. Natalie Weger](#)

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 319-356-4499

Contact: kailey-marlow@uiowa.edu
Surgery
1527-1 JCP

Max 5

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.

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 319-356-4499

Contact: kailey-marlow@uiowa.edu
Surgery
1527-1 JCP

Max 5

Enrollment:

Report To: Cate Unruh
Education Coordinator
cate-unruh@uiowa.edu
319-467-5302
1529 JCP

Special Conditions: Only one student per team.
Coordinator will request team preferences prior to rotation start date.

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

Max Enrollment: 2

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

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

DEPARTMENT OF UROLOGY

Director: [Dr. Paul Gellhaus](#)

Contact: [Amy Candelario](#)
3251-B RCP
319-356-2910

URO:8401 Advanced Clerkship General Urology - 4 weeks

Faculty: Dr. Amy Pearlman

Offered: All blocks

Administrative Amy Candelario

Contact: 319-356-2910
amy-candelario@uiowa.edu

Max 2

Enrollment:

Report To: See ICON or departmental email

Special Conditions: Students considering a Urology residency are encouraged to meet with Dr. Pearlman.

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, attending surgery, and seeing patients in the urology clinic). The student will be given graded responsibility for as much as possible in surgical cases.

URO:8402 Advanced Pediatric Urology - 4 weeks

Faculty: Drs. Cooper, Storm, Lockwood, and Edwards

Offered: All blocks; limited in May and September

Administrative Amy Candelario

Contact: 319-356-2910
amy-candelario@uiowa.edu

Max 1

Enrollment:

Report To: See ICON or departmental email

Under the direction of the urology resident assigned to the pediatric service as well as the pediatric urology faculty, the senior student is expected to participate in the evaluation of clinical patients and the care of selected surgical patients, including preoperative evaluation, intraoperative assistance, and postoperative care. The student is encouraged to work under a close mentor-student relationship to develop skills in pediatric urology.

URO:8403 Urology Oncology - 4 weeks

Faculty: Drs. O'Donnell, Brown, Tracy, Nepple, Gellhaus, Pearlman, Packiam, and Steinberg

Offered: All blocks; limited in November and December

Administrative Amy Candelario

Contact: 319-356-2910

amy-candelario@uiowa.edu

Max 1

Enrollment:

The student will have a multispecialty exposure to the diagnosis and treatment of patients with current and newly diagnosed urologic malignancies. The student will spend on average 1-2 days per week in either medical oncology or radiation oncology and the remainder of the time in either the urologic oncology or cancer survivorship/men's health clinic or ORs. The student will attend the urology conferences, specifically indications, radiology, and pathology, in addition to the bi-monthly multispecialty tumor board. This course is designed for students planning to enter into primary care and have an interest in oncology or cancer survivorship/men's health issues and for students with an interest in urology.