

**CARVER COLLEGE OF MEDICINE**  
**PHASE III: ADVANCED CLERKSHIPS**  
**COURSE DESCRIPTIONS**  
**2020-2021**

**REVISED 11/5/2019**

## INTERDISCIPLINARY

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### MED: 8401 THE OBSERVER SPEAKS: MEDICINE, LITERATURE, AND WRITING

**OBJECTIVES:** With residency applications completed or a match in your hand, this course offers you a chance to devote four weeks to reading, discussing, and writing in response to literature, essays, and poetry. Reading selections include work by Abraham Verghese, Flannery O'Connor, Jose Saramago, and Marilynne Robinson. You will read approximately 400 pages and write one assignment each week. You will be responsible for active participation in our weekly discussions of assigned readings and the writing of your classroom peers

Come discuss literature from clinical and creative perspectives and experience the workshop method of presenting your own writing for peer review.

FACULTY: *Cate Dicharry, MFA, 5-8051*  
MAX ENROLLMENT: *12*  
OFFERED: *SP20 – 2/10/20, 3/9/20*  
*SP21 – 2/8/21, 3/8/21*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Cate Dicharry, 5-8051*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Grading is PASS/FAIL only.*

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**MED:8403 TEACHING SKILLS FOR MEDICAL STUDENTS**

- OBJECTIVES:**
1. Students will be familiar with teaching fundamentals (teaching styles, techniques, content, and environment).
  2. Students will be able to describe common interactions between learner and teacher (learning styles, managing learners, verbal & nonverbal communication).
  3. Students will gain practical experience of fundamentals via presentations and evaluations (formal presentations, extemporaneous speaking, feedback & evaluating speakers).
  4. Students will gain practical experience in one-on-one and small group teaching, including learning how to give feedback to learners, how to demonstrate and observe clinical skills, and how to facilitate small group discussions.

**Students will be expected to:**

- A. Attend classes as outlined in the monthly schedule.
- B. Make a brief (5 minute) presentation at the beginning and a 15 minute presentation at the end of the course that will be video recorded and used for self and instructor evaluation.
- C. Prepare for sessions via readings and/or reviewing websites and on-line materials.
- D. Attend presentations in the Carver College of Medicine, UIHC, and the University to evaluate the presentation and speaker (lectures, classes, Grand Rounds, conferences, etc.).
- E. Develop and write a CBL case using the template provided.
- F. Conduct a literature search on teaching residents-to-teach with a focus in the student's future medical specialty.

FACULTY: *Jeff Pettit, PhD*  
*Office of Consultation and Research in Medical Education (OCRME)*

MAX ENROLLMENT: *15 (minimum 4)*

OFFERED: *SP20 – 1/13, 2/10, 3/9*  
*SP21 – 1/11, 2/8, 3/8*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Jeff Pettit, 1201 MEB, 335-9910*

REPORT TO: *See ICON or departmental email*

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**MED:8405 LEADERSHIP FOR FUTURE PHYSICIANS**

**INTRODUCTION:** As medical students progress through the medical system, their importance as leaders increases. Eventually, these future physicians will be leading medical teams and influencing the medical profession. Most of these students will receive very little formal training in leadership. The purpose of this elective is to provide third and fourth year medical students with formal leadership training in multiple aspects of leadership.

**Goals:**

- A. Assist medical students in identifying their approach to leadership and understanding the various types of leaders.
- B. Expose medical students to multiple methods for dealing with common challenges faced by leaders in medical professions.
- C. Provide medical students opportunities to interact with leaders within the medical system at CCOM and UIHC.
- D. Using a case-based approach, help prepare medical students for possible leadership challenges/issues and tools for managing these situations.

**Methods:**

1. The elective will be offered at least once each spring semester for medical students and students from other healthcare specialties (nursing, dental, pharmacy, PA, etc.).
2. Classes will be half day in length with outside class assignments/activities.
3. Guest instructors will be invited to facilitate discussions and provide personal knowledge and experiences. Possible guest instructors include:
  - a. Deans within CCOM
  - b. Deans within UIHC
  - c. C-suite executives
  - d. Chief Medical Officer, Chief Nursing Officer
  - e. DEOs
  - f. Program/Clerkship Directors
  - g. Faculty with interests in particular areas
  - h. Other instructors with specialty-specific experiences/knowledge
4. Multiple assessment instruments will be used to help medical students better understand themselves and their leadership approaches
5. Cases focused around topics to prompt discussions and ways to manage such situations
6. Outside classroom assignments such as:
  - a. Pre-session readings
  - b. Interviews with a leader
  - c. Watching movies with leadership topics
  - d. Continued investigation into topics of interest
  - e. Developing a leadership philosophy
7. The course will be pass/fail with the grade dependent upon completing assignments, participating in class, and being prepared for class.
8. Course materials/information will be located on ICON with assignments and readings.

FACULTY: *Jeff Pettit, PhD*  
*Office of Consultation and Research in Medical Education (OCRME)*

MAX ENROLLMENT: *25 (minimum 10)*

OFFERED: *SP20 – 4/20/20*  
*SP21 – 4/19/21*

LENGTH OF ELECTIVE: *2 weeks*

ADMINISTRATIVE CONTACT: *Jeff Pettit, 1201 MEB, 335-9910*

REPORT TO: *See ICON or departmental email*

SPECIAL CONDITIONS: *Grading is PASS/FAIL only.*

**Course Objectives:**

- Analyze how the principles of QI/PS are used in specific projects and activities to improve outcomes, including (but not limited to) development of a quality management system, root cause analysis, and failure modes and effects analysis.
- Evaluate ongoing QI/PS projects at UIHC to determine how methods are applied in the identification and measurement of quality and safety.
- Demonstrate interprofessional teamwork skills in the study and implementation of quality and safety projects.
- Employ communication skills with patients and other members of the health care team.

**Course Description:**

Students will work with faculty and staff involved in QI/PS at UIHC through readings, didactic sessions, and hands-on activities to advance knowledge and practice of QI/PS in healthcare. Activities during the two-week course will include review of ongoing QI/PS projects at UIHC, application of QI/PS methodologies to project development and analysis, individual and team-based simulations, interdisciplinary collaboration and communication, participating in conferences related to QI/PS and reflecting on these experiences with the other students in the course.

FACULTY: *Eric Epping, MD, PhD*  
MAX ENROLLMENT: *10*  
OFFERED: *SP20 – 4/20/20*  
*SP21 – 4/19/21*  
LENGTH OF ELECTIVE: *2 weeks*  
REPORT TO: *See ICON or departmental email*

**Course Description:**

During this two-week, case-based course, advanced medical students will be partnered with advanced pharmacy students. The students will work together to devise evidence-based treatments for patients suffering from common illnesses. Medical and pharmacy students will use foundational science concepts from their disciplines including mechanisms of health and disease and principles of pharmacokinetics and pharmacodynamics to design and explain their proposed treatments. This course will rely on peer teaching and learning. The in-class discussions will be led by students and facilitated by a College of Pharmacy clinical pharmacist and a Carver College of Medicine clinician.

In-Class hours: 4 hours a day (Monday through Friday)

Out of class self-directed learning hours: 4-6 hours a day

FACULTY: *George Bergus, MD*

*Michael Ernst, PharmD*

ENROLLMENT: *Min 6 – Max 12*

OFFERED: *SP20 - 1/27/20 and 3/23/20*

*SP21 – 1/25/21 and 3/22/21*

LENGTH OF ELECTIVE: *2 weeks*

REPORT TO: *See ICON or departmental email*

SPECIAL CONDITIONS: *Grading is PASS/FAIL only.*

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**MED: 8412 IMPROVISATION: A LIFE SKILL**

**OBJECTIVES:** The fundamental goal of the course is to provide students with experiences that will help them communicate more empathically with their patients, patients' families, and other health care team members in order to create a safe and trusting exchange. This course focuses on interpersonal communication. It does not deal with improvising scenes for an audience but centers on increasing students' awareness that effective communication is far more than an exchange of words or ideas.

Students will learn to develop important listening skills and be attentive to visceral, physical, and intuitive aspects of non-verbal communication. They will also evaluate their own personal communication styles and gain tools to help them make adjustments in their professional and personal interactions. Class meetings will occur on Tuesdays and Thursdays.

This course is supported by CCOM Writing and Humanities program, and is co-directed by Cate Dicharry and Marcy Rosenbaum.

By the end of the course students will be able to:

- Listen more carefully and respond more fully to verbal and non-verbal signals.
- Work collaboratively on tasks that don't necessarily have a single right answer.
- Be more sensitive to others who feel they do not have control.
- Use intuition and creativity to communicate ideas and responses.
- Adjust their own communication style when appropriate.
- Be sensitive to the way status affects communication exchanges.
- Articulate what they really want in an exchange.

FACULTY: *Susan Chambers*

*Carol MacVey, PhD*

ADMINISTRATIVE CONTACT: *Cate Dicharry, MFA*

MAX ENROLLMENT: *16*

OFFERED: *SP20 – 4/6/20*

*SP21 – 4/5/21*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT:

REPORT TO: *See ICON or departmental email*

SPECIAL CONDITIONS: *Grading is PASS/FAIL only.*

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**MED:8413 OATHS & ETHICS****Course Description:**

In this course, students will review the history and purpose of medical oaths, compare medical oaths with professional codes, examine the content of medical oaths in terms of ethical principles and virtues, reflect on ethical values communicated in ethics-related seminars at UIHC, interview a nonmedical person regarding his/her assessment of ethical values considered important for a medical oath, and write a medical oath that crystalizes their own most important professional commitments.

FACULTY: *Lauris Kaldjian, MD, PhD*  
ENROLLMENT: *Min 4 – Max 8*  
OFFERED: *SP20 2/10/20*  
*SP21 2/8/21*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT:  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Grading is PASS/FAIL only.*

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**MED:8414 HEALTH POLICY ADVOCACY, DES MOINES****Course Description:**

In this course, students will choose an area of interest in health policy advocacy and they will work with senior legislators, policy advisors, state health department representatives or advocates of various professional organizations that are involved in advocacy efforts for health policy. Medical students must receive prior approval regarding which health policy issue they want to work on and which individual or professional organization they plan to work with during their on-site experience. It is anticipated that students involved in the advocacy track will be in Des Moines for a minimum of four weeks in order to fully realize the impact of health policy and advocacy and best practices. Students may be asked to participate in meetings outside of the four-week on-site experience.

Students will have the opportunity to select from a wide variety of health policy issues that may be of interest to them. Based on that interest, the student will be paired with a legislator, policy advisor, state agency representative involved in health policy advocacy or an advocate of a particular professional organization to help guide and mentor them through the advocacy process.

FACULTY: *Steven Craig, MD, MACP*  
ENROLLMENT: *Arranged*  
OFFERED: *January – March only*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Des Moines Medical Education Consortium,*  
*515-241-4455*  
REPORT TO: *See ICON or departmental email*  
PREREQUISITES: *Open only to Healthcare Delivery Science Management and*  
*Policy Distinction Track Students, and only in M4 spring term.*  
SPECIAL CONDITIONS: *Grading is PASS/FAIL only.*



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**MED:8415 FINANCIAL MANAGEMENT FOR RISING INTERNS****Course Description:**

In this course, students will learn the foundational concepts of personal financial management. Covered topics include: personal budgeting, educational loan management, investing, risk management and mitigation, medical practice investment, taxation, and additional relevant areas of interest for rising resident physicians.

FACULTY: *Scott Truhlar, MD*  
*Chris Roling*  
ENROLLMENT: *Max 20*  
OFFERED: *SP20 3/23/20*  
*SP21 3/22/21 (tentative)*  
LENGTH OF ELECTIVE: *2 weeks*  
ADMINISTRATIVE CONTACT:  
REPORT TO: *See ICON or departmental email*  
  
SPECIAL CONDITIONS: *Restricted to M4s in final semester.*  
*Grading is PASS/FAIL only.*

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**MED:8480 GLOBAL HEALTH CLERKSHIP**

**OBJECTIVES:** Individually arranged cross-cultural global health program at an approved international or selected domestic site. Individual educational objectives and evaluation methods must be agreed upon in advance with Global Programs Director in the College of Medicine. Student must work under the immediate supervision of a health care provider who has extensive knowledge and expertise as well as a formal tie to the site. A completed registration packet must be submitted to and approved by the Global Programs Office before registration can be finalized. Evaluation is based on preparation work, on site feedback, and required written and oral reports.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 consecutive weeks minimum, credit is given in multiples of 2 week periods*  
ADMINISTRATIVE CONTACT: *Robin Paetzold, Director, Global Health Programs, 1187A MERF, 353-5762*  
SPECIAL CONDITIONS: *Global Elective form must be submitted for approval 6 weeks prior to beginning of rotation. Students are strongly recommended to meet with Global Health Programs Director to discuss their proposed elective six months before their elective is to begin.*

**COURSE DIRECTOR:** Dr. Fred Geer  
S322 CPHB  
335-4212

**CONTACT PERSON:** Marlene Thompson  
335-4416  
marlene-thompson@uiowa.edu

**OBJECTIVES:** Occupational Medicine is a preventive medicine specialty which focuses on the relationships among the health of workers; the physical, chemical and social environments in the workplace; and the health effects of environmental exposures. The national need for more residency-trained occupational medicine physicians has been documented, and yet it is a specialty unknown to most medical students. After successful completion of at least 12 months of clinical education in a residency program accredited by the ACGME, residency training in this field includes two years of academic and clinical experiences. Practicing family medicine and internal medicine physicians are often asked to provide occupational medicine services to local industries and workers, although they have little training in occupational medicine. This elective in occupational medicine will introduce you to the field and provide an opportunity to evaluate patients and workers at hospital and community-based occupational medicine clinics and participate at industrial sites supervised by experienced occupational medicine physicians. You can also work with industrial hygienists and ergonomic specialists who work with physicians to prevent diseases and injuries by correcting workplace hazards. If you are interested in a particular area of occupational medicine, we can arrange for you to focus on that topic during your time with us. The range of occupational medicine issues important for today's workers is very broad and includes agricultural diseases and injuries, indoor air quality, stress in the workplace, low back pain, musculoskeletal disorders of the upper extremities, impairment evaluations, occupational asthma, pesticide poisonings, reproductive hazards in the workplace, the effects on family members of toxins "carried home" from the workplace, protecting younger and aging workers, government regulatory and policy issues, and many other topics.

LENGTH OF ELECTIVE: *2 or 4 weeks*  
OFFERED: *Permission Required*  
REPORT TO: *See ICON or departmental email*  
**NOT OFFERED AFTER**  
**SPRING 2020**

## DEPARTMENT OF ANATOMY & CELL BIOLOGY

CONTACT PERSON: Julie Stark  
1-100 BSB  
335-7744

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### ACB:8401 ADVANCED HUMAN ANATOMY

**OBJECTIVES:** The student will review gross anatomy and dissect in areas of special interest. Students will arrange with the Course Director, at least 4 weeks in advance, an appropriate plan of study. This plan of study will be based upon the goals of the student. The plan will specify the objectives needed to meet the goals, the extent and depth of the dissection to be performed, the level of anatomical knowledge to be achieved, and the time course over which this will be undertaken. Students will be evaluated in the Gross Anatomy Laboratory by an oral examination of approximately one-hour duration at the halfway point of the course and at its conclusion. A written exam will be completed during the final week of the course. Students will be evaluated on the completeness and accuracy of their dissections and on anatomical knowledge related to the regions dissected. Details of the evaluation process are included in the course syllabus.

There is a \$500 supplemental course fee for all students utilizing the Gross Anatomy Laboratory.

FACULTY: *Dr. Marc Pizzimenti*  
MAX ENROLLMENT: *10*  
OFFERED: *SP20 - 2/10 & 3/9*  
*SP21 - 2/8 & 3/8*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Julie Stark*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *STUDENT MUST COMPLETE FORM ACB:8401*  
*BEFORE ADDING IT TO THEIR SCHEDULE*

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**ACB:8402 TEACHING ELECTIVE IN REGIONAL ANATOMY**

**OBJECTIVES:** Provide medical students with an opportunity expand their knowledge and experience in medical education. This elective will promote investigating educational pedagogy in a laboratory setting coupled with self-directed learning of anatomical content relevant to professional development. The primary focus of this elective will be to prepare, design, and implement four teaching interactions with M1/D1/PA1 students. In addition to the teaching interactions, students will design a classroom exercise (e.g., interactive lecture, learning activity, or computer-based study module) that helps bridge the basic science content with a clinical procedure.

- Complete regional dissections in the identified area of interest
- Participate in guiding students through the dissection process
- Identify and implement various teaching strategies suitable for laboratory and classroom setting
- Design and present a learning module for the regional anatomy studied

FACULTY: *Dr. Marc Pizzimenti and Dr. Darren Hoffmann*  
MAX ENROLLMENT: *4*  
OFFERED: *Check with Dr. Pizzimenti for schedule*  
LENGTH OF ELECTIVE: *2 weeks*  
ADMINISTRATIVE CONTACT: *Julie Stark*  
REPORT TO: *See ICON*  
PREREQUISITES: *Enrolled in Teaching Distinction Track or approval from Course Director*

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**ACB:8405 ADVANCED NEUROANATOMY & DIAGNOSTIC NEUROIMAGING**

**OBJECTIVES:** In this course, students will be exposed to focused training in interpreting cross-sectional neuroanatomy, at a level far exceeding what is currently taught in the preclinical curriculum. This will build on prior training in diagnostic neuroimaging of the human brain during Phases 1 and 2 of the medical curriculum, with the aim of producing PGY-1 levels of readiness interpreting structural brain images. Core knowledge and skills of neurological examination will be reinforced, and applied within the context of clinical problems.

- Describe the structural and functional neuroanatomy of the human brain at a level commensurate to entering Neurology residency, using gross laboratory specimens, cross sections, and medical images to explain organization and intricate relationships of the human nervous system.
- Explain the anatomical underpinnings of common disorders affecting the human nervous system.
- Demonstrate proficiency using MRI viewing software to identify neuropathology in real time.
- Evaluate a neurology patient and present exam and imaging findings in a conference format, applying fundamental principles of nervous system function and dysfunction to localize complex lesions.
- Identify ethical and social implications of neuroimaging, and recognize common pitfalls associated with relying on technology to diagnose or exclude disease.
- Develop and refine skills in self-directed and team-based learning

FACULTY: *Dr. Justin Sipla and Dr. Tracey Cho*  
MAX ENROLLMENT: *10*  
OFFERED: *4/6/20; 4/5/21*  
LENGTH OF ELECTIVE: *2 weeks*  
ADMINISTRATIVE CONTACT: *Julie Stark*  
REPORT TO: *See ICON*  
SPECIAL CONDITIONS: *Primarily restricted to M4s with specialty interest in Neurology or Radiology; M3s and those with other specialty interests must gain permission from instructor to add the course*

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**ACB:8498 ACB SPECIAL STUDY ON-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

## DEPARTMENT OF ANESTHESIA

Co-DIRECTOR: Dr. Andrew Feider  
Co-DIRECTOR: Dr. Sapna Ravindranath

CONTACT PERSON: Lorri Barnes  
6617 JCP  
384-9273

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### ANES:8401 CLINICAL ANESTHESIA SENIOR ROTATION

**OBJECTIVES:**     **The student will:** Build on the knowledge and experience gained from the two week Anesthesiology elective 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, pediatric, regional, ASC, and Pain Clinic). Completion of an academic project (case report and discussion) is a requirement.

**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.

FACULTY:     *Staff*  
MAX ENROLLMENT:     *4*  
OFFERED:     *Arranged*  
LENGTH OF ELECTIVE:     *4 weeks*  
ADMINISTRATIVE CONTACT:     *Lorri Barnes*  
REPORT TO:     *See ICON or departmental email*  
PREREQUISITE:     *ANES:8301*

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**ANES:8402 SURGICAL & NEUROSCIENCES INTENSIVE CARE (SNICU)**

**OBJECTIVES:**     **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 illness. 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 it offers a unique opportunity to work in the largest ICU in the state of Iowa and largest Neurosurgical ICU in the state. 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.

**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.

FACULTY:     *Dr. Anita Chazhikattu and Staff*  
MAX ENROLLMENT     6  
OFFERED:     *Closed Thanksgiving Block*  
LENGTH OF ELECTIVE:     4 weeks  
ADMINISTRATIVE CONTACT:     *Mindi Allbaugh*  
REPORT TO:     *See ICON or departmental email*

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**ANES:8403 CHRONIC PAIN MANAGEMENT**

**OBJECTIVES:**     **The student will:** Learn how to interview and assess patients with pain, work with a multidisciplinary team to determine the type of pain and/or diagnosis, and develop a multimodal treatment plan. The experience is structured to immerse the physician-in-training into a multidisciplinary pain management team. Students will have the opportunity to work with faculty members, fellows, residents, a pain pharmacist and psychologists in the Pain Management Center. Students will learn basic interventional approaches to treating pain and observe interventional pain procedures. Students will subsequently document a clinic visit and present one clinical case at morning didactic rounds.

**This will be achieved through:** 1) required and suggested reading; 2) in group, individual topic or clinical case discussion with faculty and fellows, and during hands-on patient care; 3) attending morning didactic lectures followed by seeing clinic patients in concert with fellows and faculty initially and then independently with staffing by faculty; presentation of clinical case during morning rounds.

FACULTY:     *Dr. Lee Kral, Dr. Justin Wikle and Staff*  
MAX ENROLLMENT     2  
OFFERED:     *August through June*  
LENGTH OF ELECTIVE:     2 weeks  
ADMINISTRATIVE CONTACT:     *Lorri Barnes*  
REPORT TO:     *See ICON or departmental email*  
PREREQUISITE:     *None*

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**ANES:8495 INTENSIVE CARE OFF-CAMPUS**

**This rotation will be individually arranged by the student with the approval of the department.**

**OBJECTIVES:**     **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 illness. 4) be introduced to ventilatory management of critically ill patients.

**This will be achieved through:** 1) involvement in the care of critically ill patients in the Intensive Care Unit under the supervision of residents, fellows and staff of the host institution. 2) participation during teaching rounds. 3) attendance at conference seminars and teaching activities provided by the ICU.

FACULTY:     *Arranged*  
MAX ENROLLMENT:     *Arranged*  
OFFERED:     *Arranged*  
LENGTH OF ELECTIVE:     *4 weeks minimum*  
ADMINISTRATIVE CONTACT:     *Mindi Allbaugh*  
REPORT TO:     *See ICON or departmental email*  
SPECIAL CONDITIONS:     *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**ANES:8497 RESEARCH IN ANESTHESIA**

**OBJECTIVES:**     The purpose of this elective is to provide introductory experience in departmental research for those individuals considering greater in-depth training at a later time.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY:     *Arranged*  
MAX ENROLLMENT:     *Arranged*  
OFFERED:     *Arranged*  
LENGTH OF ELECTIVE:     *4 weeks minimum*  
ADMINISTRATIVE CONTACT:     *Clinical Coordinator*  
REPORT TO:     *See ICON or departmental email*  
SPECIAL CONDITIONS:     *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*



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**ANES:8498 ANESTHESIA ON-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Lorri Barnes*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**ANES:8499 ANESTHESIA OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by the student with the approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Lorri Barnes*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

## DEPARTMENT OF CARDIOTHORACIC SURGERY

COURSE DIRECTOR: Dr. Luis Garcia

CONTACT PERSON: Noel VanDenBosch  
1527 JCP  
356-4499

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### CTS:8401 SUB-INTERNSHIP CARDIOTHORACIC SURGERY

**OBJECTIVES:** **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.

FACULTY: *Cardiothoracic Surgery Staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Noel VanDenBosch*  
REPORT TO: *See ICON or departmental email*

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### CTS:8497 RESEARCH IN CARDIOTHORACIC SURGERY

**OBJECTIVES:** A short or long term research project will be arranged with the instructors. This may involve clinical material or laboratory. The student will organize and complete a project, finishing with a publishable manuscript.

FACULTY: *Cardiothoracic Surgery Staff*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Noel VanDenBosch*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**CTS:8498 CTS ON-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**IM:8499 CTS OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

## DEPARTMENT OF DERMATOLOGY

COURSE DIRECTOR: Dr. Vincent Liu

CONTACT PERSON: Cheryl Moores  
40027 PFP  
356-1694

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### DERM:8401 DERMATOLOGY ELECTIVE

**OBJECTIVES:** **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. .

**This will be achieved through experience** 1) in the UIHC Dermatology Clinic; 2) at the Iowa City VA Medical Center; 3) with specially-scheduled surgery patients; 4) on the UIHC Dermatopathology Service; and 5) with inpatient consultations.

FACULTY: *Dr. Liu and Staff*  
MAX ENROLLMENT: *2*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Cheryl Moores/Patricia Swenka*  
REPORT TO: *See ICON or departmental/administrative email*

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### DERM:8497 RESEARCH IN DERMATOLOGY

**OBJECTIVES:** The purpose of this elective is to provide introductory experience in dermatological research for those individuals considering greater in-depth training at a later time.

**This will be achieved by** assignment to research programs that are on-going in the department.

FACULTY: *Dr. Lui and Staff*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Cheryl Moores/Patricia Swenka*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**DERM:8498 DERMATOLOGY ON-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**DERM:8499 DERMATOLOGY OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by the student with the approval of the department.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Cheryl Moores*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

## DEPARTMENT OF EMERGENCY MEDICINE

COURSE DIRECTOR: Dr. Brooks Obr  
brooks-obe@uiowa.edu

CONTACT PERSON: Kelby Kiefer  
kelby-kiefer@uiowa.edu  
1008 RCP  
384-6468

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### EM:8401 ADVANCED LIFE SUPPORT

**OBJECTIVES:** 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 7 clinical shifts in the department at UIHC.

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.

COURSE DIRECTOR: *Jon VanHeukelom, MD*  
MAX ENROLLMENT: *18*  
LENGTH OF ELECTIVE: *4 weeks*  
OFFERED: *7/6/20 ONLY*  
*7/6/21 ONLY*  
ADMINISTRATIVE CONTACT: *Kelby Kiefer*  
REPORT TO: *See ICON or departmental email*  
PREREQUISITES: *Strong interest in Emergency Medicine*  
SPECIAL CONDITIONS: *Grading is PASS/FAIL only.*  
***Student should not take both ALS  
and EM:8409***

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**EM:8402 EMERGENCY MEDICINE 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 17 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 during interview season.

Students must attend orientation typically at 8:00 am on the first day of the clerkship followed by a simulation day. Students are required to attend 16 hours of simulation lab and case conferences. 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 a EM Shelf exam.

FACULTY: *Dr. Brooks Obr*  
MAX ENROLLMENT: *9*  
OFFERED: *All periods except when ALS is offered*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Kelby Kiefer*  
REPORT TO: *See ICON or departmental email*  
PREREQUISITES: *Completion of Core Clerkships*  
SPECIAL CONDITIONS: *All time off requests must be submitted 2 weeks prior to the start of the rotation.*  
*Attendance is mandatory at UIHC 1<sup>st</sup> day of rotation for orientation and simulation day.*

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**EM:8403 WILDERNESS MEDICINE**

Course focuses on provision of medical care in the remote and austere environment. It includes special topics on illnesses and injuries that occur in these conditions as well as survival skills for the care provider. Scenario and didactic training in wilderness medicinal skills are completed including travel to Colorado for a field experience. Considerable time commitment required.

Student is responsible for travel expenses. Student is required to sign conditions of participation certificate.

Wilderness Medicine is directed by Dr. Dan Wing from Mercy Hospital, Iowa City. Please direct questions about the course to dtwing1@gmail.com.

FACULTY: *Dr. Dan Wing & Dr. Sara Burnham Wing*  
MAX ENROLLMENT: *12*  
OFFERED: *SP20 3/23/20*  
*SP21 3/22/21*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Kelby Kiefer*  
REPORT TO: *See ICON or departmental email*  
PREREQUISITES: *Capstone Course—can only take final M4 semester.*  
SPECIAL CONDITIONS: *Student must have current CPR certificate.*

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**EM:8404 EMERGENCY MEDICINE ST. LUKE'S, CEDAR RAPIDS**

**OBJECTIVES:** Preceptorship with full time Emergency Department Physicians. Exposure to full spectrum of Emergency Department patients including the range from minor trauma and infectious diseases, to major trauma and cardiovascular emergencies. Students will perform under close supervision.

Student evaluation based on clinical evaluation and a multiple-choice final exam. Clinical evaluation will be based on performance by St. Luke's faculty on a shift by shift basis. Students will attend orientation and a simulation day on the first day of the rotation at UIHC. There are 2 additional days of case conference held at UIHC (typically on Mondays). Students will complete a system-based practice project during the rotation.

The Carver College of Medicine policy on attendance and time off requests will be followed. Keep this in mind when registering during interview season.

Students will work 14 shifts per month; shifts are a mix of days and nights. The shifts are 10 hours and the times you work will vary throughout the rotation. Time off requests must be submitted at least 1 week prior to the start of the rotation. Dr. Hemming-Meyer will make the schedule. Students are required to schedule a mid-rotation and end of rotation evaluation with Dr. Hemming-Meyer

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 a EM Shelf exam.

FACULTY: *Dr. Sarah Hemming-Meyer*  
*Sahemming.meyer@eciac.org*  
*Dr. Brooks Obr, Didactics*

MAX ENROLLMENT: 2

OFFERED: *All periods except when ALS is offered*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Kelby Kiefer*

REPORT TO: *Nurses' Station, St. Luke's ER, 369-7105*

PREREQUISITES: *Completion of Core Clerkships.*

SPECIAL CONDITIONS: *Scrubs are provided or student may wear lab coat. Nametags must be worn.*  
***Attendance is mandatory at UIHC 1<sup>st</sup> day of rotation for orientation and simulation day.***



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**EM:8405 RURAL EMERGENCY MEDICINE, BURLINGTON, IA**

Preceptorship designed to provide an in-depth exposure to the management of a wide range of clinical problems in a rural setting. The rotation is specifically recommended for those students with career interests in emergency medicine and an interest in the delivery of emergency medical care in rural environments. The host hospital, Great River Medical Center, is a rural resource institution designated as a Level III trauma center. The attending emergency department physicians are all residency trained in emergency medicine, hold certification from the ABEM and practice in a democratic, independent group model of organization. Students will perform under the direct supervision of the attending physicians and will be encouraged to gain experience in both diagnostic and procedural skills. Clinical work will be supplemented by formal didactic exercises in collaboration with University of Iowa faculty and staff. Performance will be evaluated by clinical performance assessments and by written examination based on selected readings, assigned didactics, and simulation lab. Schedule arrangements will be flexible, but will include an average of 120 clinical contact hours.

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

Students are required to attend a 1 day simulation lab at UIHC. 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 a EM Shelf exam.

FACULTY: *Dr. Craig Huston*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods except when ALS is offered*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Kelby Kiefer*  
REPORT TO: *Heather Ford*  
[HFord@grhs.net](mailto:HFord@grhs.net)  
*319-768-3272*  
*Great River Medical Center Emergency Room,*  
*1221 S Gear Ave, 319-768-3254*  
PREREQUISITES: *Completion of Core Clerkships.*  
SPECIAL CONDITIONS: *Attendance is mandatory at UIHC 1<sup>st</sup> day of rotation for orientation and simulation day.*

- OBJECTIVES:**
- 1 To develop the student's clinical skills and professionalism in the art and science of managing urgent and emergent primary care medical problems.
  - 2 To gain an understanding of how human behavior, human personalities, and a patient's socioeconomic environment impacts the physical and emotional aspects of a disease process, so that the student can effectively treat disease and attempt to modify behavior.
  - 3 To obtain an awareness of liability and medical malpractice issues.
  - 4 To encourage the student to use his/her fund of clinical and basic science knowledge in formulating a plan for evaluating and treating medical emergencies. This will enable the student to understand WHY, not just remember HOW a disease is treated.
  - 5 To gain as much experience as possible in a variety of emergency medical and psychiatric problems such as drug overdoses, blunt and penetrating trauma, acute psychosis, fractures, infections, diseases, and organ failure in a diverse multicultural patient population.
  - 6 To gain experience in the areas of domestic violence, sexual abuse and chemical abuse/dependency.
  - 7 To understand the principles of cost effective primary care/emergency medicine with emphasis on appropriate referral, consultation, and follow-up.
  - 8 To obtain practical procedural experience in wound repair, casting, splinting, minor surgery, intravenous access management and airway management.

The student will be supervised and taught by the attending staff who are board certified in family practice and/or emergency medicine. The student will be scheduled to work a rotation involving days, evenings, nights and weekends to ensure an exposure to the varying patterns of emergency medicine patients. During the day, students will attend morning report and noon teaching conferences.

The student will be exposed to a high volume emergency department that records approximately 2500 patient visits per month where they will work side-by-side with PAs and Residents. The student will also have exposure to pre-hospital care and our 24 hour a day Crisis Intervention Mental Health Team.

All students are oriented to the E.D. and ancillary services on the first day of the rotation by Medical Education staff, the attending physician on duty, the Crisis Team, the charge nurse, and the Director of Social Services.

Students are encouraged to come with a desire to: 1) work hard 2) learn by doing 3) grow and mature as a physician.

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

Students are required to attend a 1 day simulation lab at UIHC. 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 a EM Shelf exam..

FACULTY: *Drs. Jim Cummings, Medical Director;  
jcummings@broadlawns.org  
and ER Staff Physicians*

MAX ENROLLMENT: *1*

OFFERED: *All periods except when ALS is offered*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Kelby Kiefer*

REPORT TO: *Erin Barnes  
ebarnes@broadlawns.org*

PREREQUISITES: *Completion of Core Clerkships.*

SPECIAL CONDITIONS: *Housing provided.  
**Attendance is mandatory at UIHC 1<sup>st</sup> day of  
rotation for orientation and simulation day.***

**OBJECTIVES:**     **The student will:** 1) increase his/her ability in assessment of patients with common emergencies; 2) increase his/her ability in management of acute illnesses; and 3) learn the components of the emergency medical service systems.

**This will be achieved through:** 1) participation in the care of patients seen in the Emergency Department and Outpatient areas of Covenant Medical Center; and 2) attendance at teaching conferences and seminars.

Approximately 27,000 patients are seen in this facility either by full-time Emergency Department physicians or private physicians. A panel of full-time Emergency Department physicians provides 24-hour-a-day coverage. A supervising physician is always present, and the student is assigned to him/her.

Major and minor trauma and medical and surgical emergencies account for 15% of the patients seen. The remainder of the patients are seeking ambulatory care for a variety of health problems.

The largest volume of patients is usually seen in this facility during the late afternoon and evening hours and on weekends. The student's hours will be adjusted to provide a balanced exposure to the variable patient load.

The student will be expected to attend all appropriate scheduled conferences within the Family Practice Center and appropriate inservice programs within the area hospitals. He/she will be invited as a guest to attend hospital staff meetings, County Medical Society meetings and continuing medical education programs as they occur.

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

Students are required to attend a 1 day simulation lab at UIHC. 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 a EM Shelf exam.

FACULTY:     *Course Director: Dr. Stuart Feldman  
Stuart.Feldman@mercyhealth.com*

MAX ENROLLMENT:     *1*

OFFERED:     *All periods except when ALS is offered*

LENGTH OF ELECTIVE:     *4 weeks*

ADMINISTRATIVE CONTACT:     *Kelby Kiefer*

REPORT TO:     *Wendy Hudson, Educational Coordinator,  
319-272-2855 or 1-800-211-9283*

*whudson@neimef.org*

*Northeast Iowa Medical Education Foundation,  
2055 Kimball Avenue, Waterloo, IA 50702*

PREREQUISITES:     *Completion of Core Clerkships.*

SPECIAL CONDITIONS:     *Single housing and meals will be provided within  
the hospital. It is required that the student  
have a car available.*

***Attendance is mandatory at UIHC 1<sup>st</sup> day of  
rotation for orientation and simulation day.***

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**EM:8409 INTRODUCTION TO ADVANCED LIFE SUPPORT**

**OBJECTIVES:** This two-week elective is for advanced medical students who will undergo an intensive program providing “basic training” in life support skills and practice with simulated critical care scenarios. Students will learn the basics of hospital-based practice; gain a familiarity with the daily duties and roles of a PGY-1 resident, and to become entirely comfortable with the approach to common life-threatening conditions through lectures, small group discussions, and high-fidelity simulations. In addition, students will receive critical care training in respiratory emergencies, cardiovascular emergencies, neurologic emergencies, pediatric emergencies, and septic shock.

In the process of the course, students can complete the Advanced Cardiac Life Support (ACLS) initial certification course, if they choose. The fee for the ACLS self-directed on-line learning module is approximately \$120; the onsite skills testing fee and completion card will be covered by the department.

FACULTY: *Drs. Olivia Bailey and Brooks Obr*  
MAX ENROLLMENT: *30*  
OFFERED: *SP20 4/6/20*  
*SP21 4/5/21*  
LENGTH OF ELECTIVE: *2 weeks*  
ADMINISTRATIVE CONTACT: *Kelby Kiefer*  
REPORT TO: *See ICON or departmental email*  
PREREQUISITES:  
SPECIAL CONDITIONS: *Grading is PASS/FAIL only.*  
***Students should not take both EM8401 and EM8409.***

**OBJECTIVES:** This clerkship at the Iowa Poison Control Center provides an intense introduction to the breadth and depth of medical toxicology. The center manages many cases from across the entire state of Iowa, encompassing patients from newborns to geriatrics. Poison center cases involve exposures to pharmaceuticals, household and industrial chemicals, drugs of abuse, heavy metals, snake bites, mushrooms and occupational and environmental exposures. The poison center is also involved in hazardous materials and public health events.

Previous students have participated in research projects sponsored by the center, and have had the resulting abstracts published.

As the field of medical toxicology is very broad, the student will have the freedom to work independently and concentrate on many different areas and interests. The student will work with a multi-disciplinary team of nurses, pharmacists and physicians. The center's medical director is board-certified in internal medicine, critical care medicine and medical toxicology.

Specific student activities include, but are not restricted to:

- Review and present active poisoned patient cases during daily rounds.
- There may be opportunities to see toxicology patients at the bedside.
- Daily didactic lectures covering many topics in toxicology.
- Problem-based learning exercises and drug information queries.
- Become familiar with poison center operations. Listen to calls to the poison center from the public and health care providers. There may be opportunities for the student to take calls from the public while under the direct supervision of a Certified Specialist in Poison Information.
- Prepare and present a short presentation in any area of medical toxicology.

FACULTY: *Edward Bottei, M.D.*

MAX ENROLLMENT: *2*

OFFERED: *Permission Required, e-mail [kelby-kiefer@uiowa.edu](mailto:kelby-kiefer@uiowa.edu)*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Kelby Kiefer*

REPORT TO: *Iowa Poison Control Center, 401 Douglas St,  
Sioux City, IA at 8:00 am first day*

PREREQUISITES: *Completion of the Core Clerkships*

SPECIAL CONDITIONS: *Housing may be available, by request only, and depends upon space availability.*

**Goals and 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.

**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.

**Didactics:** Small group didactics will take place on a daily bases. 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.

FACULTY: *Dr. Josh Radke*  
MAX ENROLLMENT: *2*  
OFFERED: *Permission Required, e-mail [kelby-kiefer@uiowa.edu](mailto:kelby-kiefer@uiowa.edu)*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Kelby Kiefer*  
REPORT TO: *See ICON or departmental email*  
PREREQUISITES: *Emergency Medicine or Critical Care Medicine (excluding NICU)*  
SPECIAL CONDITIONS: *Grading is PASS/FAIL only.*

**OBJECTIVES:**     **The student will:** Students will work in our Level 1 Trauma Center at Methodist Medical Center in downtown Des Moines, as well as rotate through Methodist West (in suburbs of West Des Moines) and Lutheran Hospital (on Des Moines' East side, with a higher proportion of indigent care and mental health and substance abuse disorders). This rotation includes the following components: clinical shifts in the emergency department, emergency medicine related didactics, self-study or guided-review presentations on core emergency medicine topics, and a short list of key readings. Students will be scheduled for a total of approximately 140 clinical hours divided into 14-16 shifts of varying lengths (8hr, 9hr, 10hr, 12hr) mirroring the faculty schedules during the 4-week rotation.

This rotation includes the following components: clinical shifts in the emergency department, emergency medicine related didactics (ACLS, Airway Management, Calling a Consult/Communication, Chest Pain, Toxicology, Trauma, Sepsis, Ultrasound, Febrile Infant, Headache, Psychobehavioral Disorders), self-study or guided-review presentations on core emergency medicine topics, and a short list of key readings.

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 a EM Shelf exam.

FACULTY:     *Course Director: Nick Kluesner, MD*  
MAX ENROLLMENT:     2  
OFFERED:     *All periods except when ALS is offered*  
LENGTH OF ELECTIVE:     4 weeks  
ADMINISTRATIVE CONTACT:     *Kelby Kiefer*  
REPORT TO:     *Charge Nurse's desk in the ER at the designated hospital of the shift: Iowa Lutheran Hospital (ILH), Iowa Methodist Medical Center (IMMC), or Methodist West Hospital (MWH).  
Sam Heckethorn, Physician Support Analyst,  
515-241-6262  
[sam.heckethorn@unitypoint.org](mailto:sam.heckethorn@unitypoint.org)*

PREREQUISITES:     *Completion of Core Clerkships.*  
SPECIAL CONDITIONS:     *Housing and other additional student resources may be available through the Des Moines Medical Education Consortium office: Wendi Kruger at [wendi.kruger@unitypoint.org](mailto:wendi.kruger@unitypoint.org) or by phone at 515-241-4455 **Attendance is mandatory at UIHC 1<sup>st</sup> day of rotation for orientation and simulation day.***

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**EM:8413 EMERGENCY MEDICINE, GENESIS DAVENPORT**

**OBJECTIVES:**     **The student will:** work in our Level 3 Trauma Medical Center in downtown Davenport, as well as rotate through Genesis West in West Davenport (with a higher proportion of indigent care and mental health and substance abuse disorders). This rotation includes the following components: clinical shifts in the emergency department, self-study or guided-review presentations on core emergency medicine topics, and a short list of key readings. Students will be scheduled for a total of approximately 140 clinical hours divided into 14-16 shifts of varying lengths (10hr, 12hr) mirroring the faculty schedules during the 4-week rotation.

This rotation includes the following components: clinical shifts in the emergency department, emergency medicine related didactics (ACLS, Airway Management, Calling a Consult/Communication, Chest Pain, Toxicology, Trauma, Sepsis, Ultrasound, Febrile Infant, Headache, Psychobehavioral Disorders), self-study or guided-review presentations on core emergency medicine topics, and a short list of key readings.

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 a EM Shelf exam.

FACULTY:     *Course Director: Kathryn Dierks, DO*  
                  [dierksk@genesishealth.com](mailto:dierksk@genesishealth.com)  
                  480-452-8806

MAX ENROLLMENT:     1

OFFERED:     *All periods except when ALS is offered*

LENGTH OF ELECTIVE:     4 weeks

ADMINISTRATIVE CONTACT:     *Kelby Kiefer*

REPORT TO:     *Charge Nurse's desk in the ER at the designated hospital of the shift: Genesis East Medical Center or Genesis West Medical Center.*

PREREQUISITES:     *Completion of Core Clerkships.*

SPECIAL CONDITIONS:     *Housing and other additional student resources may be available through the Genesis Medical Center Family Medicine and student rotation coordinator, Trish Halligan at [halligant@genesishealth.com](mailto:halligant@genesishealth.com).*

*Attendance is mandatory at UIHC 1<sup>st</sup> day of rotation for orientation and simulation day.*



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**EM:8497 RESEARCH IN EMERGENCY MEDICINE**

**OBJECTIVES:** The purpose of this elective is to provide introductory experience in department research for those individuals considering greater in-depth training at a later time.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**EM:8498 EMERGENCY MEDICINE ON-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Kelby Kiefer*  
REPORT TO: *See ICON or departmental email*  
PREREQUISITES: *Completion of Core Clerkships.*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**EM:8499 EMERGENCY MEDICINE OFF-CAMPUS**

**OBJECTIVES:** This clerkship teaches the principle of emergency medicine. The student will perform under the close supervision of a staff physician. Student evaluation will be based on his/her performance in the emergency room and any required didactics and exam.

Students scheduling this course to satisfy the Emergency Medicine requirement may only do so through an accredited LCME institution that offers a formal 4 week clerkship in Emergency Medicine. In addition, Dr. Obr must approve this rotation at the time of your registration. In the past such hospitals have been the following: Denver Health Medical Center, Denver, CO; Hennepin County Medical Center, Minneapolis, MN; Regions Hospital, St. Paul, MN; however, the rotations are not limited to these hospitals.

Students scheduling this course as an elective are not required to do so through an accredited LCME institution.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Kelby Kiefer*  
REPORT TO: *See ICON or departmental email*  
PREREQUISITES: *Completion of Core Clerkships.*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation. Approval is required by Dr. Obr in Emergency Medicine.*

## DEPARTMENT OF FAMILY MEDICINE

COURSE DIRECTOR: Dr. Jill Endres

CONTACT PERSON: Meggan Riggan-Rocha  
01293-G PFP  
384-7517

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### FAM:8401 SUB-INTERNSHIP FAMILY MEDICINE, UIHC

- Objectives: This course will emphasize the inpatient aspects of family medicine, including:
- Increase skills at assessment, diagnosis, treatment and management of patients with illnesses commonly seen by the family physician in the hospital setting.
  - Caring for families and patients throughout the lifespan.
  - Medical decision-making.
  - The interaction between inpatient care and the ER and clinical settings.
  - Prevention and patient education.
  - Use of the electronic medical record and electronic data entry.

Student Expectations and Responsibilities:

Supervision:

- The student will be supervised by upper level resident (teaching resident) and faculty on the Family Medicine Service. The student reports to the senior resident who will assign daily responsibilities and weekly schedule.

Patient care:

- Function as an R1 on the Family Medicine Inpatient Service with responsibility for initial assessment of patients in the emergency department, ICU or clinic. This includes obtaining a complete history, physical exam, and developing a differential diagnosis and strategy for prudent diagnostic work-up and treatment.
- Follow patients daily in the hospital from admission to discharge, writing orders (to be co-signed by the resident or staff), progress notes and discharge summaries.
- Be actively involved in gathering needed background information about the diagnosis and treatment of patients; assist in the library research and reference work indicated.
- Practice evidence-based medicine with a clear and logical rationale for each diagnosis and each therapeutic recommendation.

Call:

- Student will be on night float the last week of the rotation. There is no night call the first three weeks while working during the day.

Conferences:

- Students should attend morning report weekday mornings at 6:45 a.m. in the Resident Office Space, 01125 PFP. Participate in teaching conferences of the Department of Family Medicine at UIHC. The usual conference schedule is Monday, Tuesday, and Friday at 12:15 p.m. in the Department of Family Medicine.

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

FACULTY: *Scott Larson, M.D., Course Director*

MAX ENROLLMENT: *1*

OFFERED: *All periods*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Meggan Riggan-Rocha*

SPECIAL CONDITIONS *Student should be without other obligations during the time period.*

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**FAM:8402 UNIVERSITY OF IOWA FAMILY MEDICINE CLERKSHIP**

- OBJECTIVES:** 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 health care team.
  - Attend Family Medicine conferences.

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

FACULTY: *Jill Endres, M.D., Course Director*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Meggan Riggan-Rocha*  
REPORT TO: *See ICON or departmental email*

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**FAM:8403 PRECEPTORSHIP IN FAMILY MEDICINE**

- OBJECTIVES:** 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

This will be accomplished by spending the allotted clerkship time in the practice of and under the supervision of a certified family physician selected from a pool of physicians representing a variety of rural and urban practices in Iowa. This pool consists of both solo practitioners and those practicing in varying group sizes, thereby affording each student the opportunity to select the type of situation which he/she is most interested in investigating.

FACULTY: *Dr. Jill Endres*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Meggan Riggan-Rocha*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Once registered for this preceptorship, you must contact Meggan Riggan-Rocha to make arrangements for preceptorship site.*

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**FAM:8405 FAMILY MEDICINE GERIATRICS**

**OBJECTIVES:** Students will:  
Monitor and evaluate the health and functional status of patients 65 or older in the Geriatric Assessment Clinic and in some community settings  
Increase their knowledge of how to handle medical and psychosocial problems of the elderly  
Participate in conferences including Geriatrics Staffing and Geriatrics Journal Club

Time and resources are available for students to read about their patients' problems. Special original clinical investigation projects can be developed by students.

FACULTY: *Drs. Nick Butler, Richard Dobyms,  
Jason Wilbur, Margo Schilling, and Scott Larson*

MAX ENROLLMENT: *1*

OFFERED: *All periods*

LENGTH OF ELECTIVE: *2 or 4 weeks*

ADMINISTRATIVE CONTACT: *Gretchen Schmuck*

REPORT TO: *See ICON or departmental email*

- OBJECTIVES:** The learner will gain experience with important aspects of the Inpatient Medicine Rotation including:
- 1) Developing clinical judgment regarding appropriate setting for care including outpatient, inpatient, skilled nursing, and long-term care facilities.
  - 2) Diagnosing and managing of inpatient medical problems across the lifespan with the best current medical information.
  - 3) Appropriately use and organize specialty care and ancillary services.
  - 4) Demonstrate empathy and effective communication with family.
  - 5) Communication with and respect nursing staff and other health professionals.
  - 6) Coordination of community resources for ongoing care of patients.

**EXPECTATIONS**

- :
- The student will function at the level of a first-year resident.
  - The student will take care of patients at Mercy Medical Center and St. Luke's Hospital.
  - The student will be part of the Inpatient Medicine Rotation team that will include an upper level resident, at least two interns, physician faculty, Pharm.D faculty and Behavioral Science faculty.
  - The student is expected to do the initial workup of the patient, which includes obtaining and dictating a complete history and physical and developing a differential diagnosis.
  - The student will develop a strategy for appropriate diagnostic testing and management and write admission orders under the supervision of a senior resident or faculty.
  - The student will follow the patient from admission to discharge and write daily progress notes as well as dictate a discharge summary, unless otherwise directed by the senior resident or faculty. At any one time, however, the student will carry no more than 3 patients.
  - The student will present patients at daily rounds and suggest plans for ongoing treatment and/or diagnostic testing.
  - The student will help with consultation of, and ongoing, communication with specialists.
  - The student will develop skills in communicating and interacting with nursing staff and other health professionals.
  - The student will participate in discharge planning and arranging appropriate community resources.
  - The student will have the opportunity to participate in deliveries, with the student's own agreement.
  - The student is expected to be on-call with a senior resident approximately every 4-5<sup>th</sup> night.
  - The student will attend case-based noon conferences.

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

FACULTY: *All Family Medicine Faculty*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Cheri Weber 319-297-2302*  
REPORT TO: *See ICON*  
SPECIAL CONDITIONS: *Transportation is required. Lunch is provided at noon conference. Breakfast and dinner are provided when on call.*

**OBJECTIVES:     The student will:**

- Develop skills in the diagnosis and management of common medical problems across the lifespan.
- Apply these skills while simultaneously recognizing the importance of the patient's family as well as other social factors.
- Become skilled in the computerized management of patient data, medical references, patient education and preventive care systems.
- Develop skills in determining the relevance and validity of medical information.

**EXPECTATIONS  
:**

- The student having his/her own schedule of patients in the outpatient clinic and/or independently seeing patients on residents' and/or faculty schedules.
- Seeing common medical problems in the ambulatory setting and developing diagnostic and management plans under appropriate resident and faculty supervision.
- The option to participate in morning Inpatient Medicine rounds at the student's own request.
- Observe and, when possible, participate in common office procedures such as colposcopy, biopsy/removal of skin lesions, contraceptive placement, and joint injections.
- Learn in an environment that encourages questioning and the use of point-of-care references.

FACULTY: *All Family Medicine Faculty*

MAX ENROLLMENT: *1*

OFFERED: *All Periods*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Cheri Weber 319-297-2302*

REPORT TO: *See ICON*

SPECIAL CONDITIONS: *Transportation is required. Lunch is provided at noon conference.*

**OBJECTIVES:**

**The student will:**

- function as an intern-equivalent in both the outpatient clinic and inpatient areas at Broadlawns Medical Center
- increase his/her knowledge in family medicine, demonstrating continuity/comprehensiveness of care as well as preventive aspects
- increase skills in those procedures appropriate to a family physician
- learn office management and how to utilize an electronic medical record system.

**EXPECTATION:**

- function as an intern-equivalent in both the outpatient clinic and inpatient areas at Broadlawns Medical Center
- increase his/her knowledge in family medicine, demonstrating continuity/comprehensiveness of care as well as preventive aspects
- increase skills in those procedures appropriate to a family physician
- learn office management and how to utilize an electronic medical record system.

FACULTY: *Faculty of Family Medicine Residency Program*

MAX ENROLLMENT: *1*

OFFERED: *All periods*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Erin Barnes, 515-282-5776*

REPORT TO: *See ICON*

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**FAM:8409 SUB-INTERNSHIP FAMILY MEDICINE, IOWA LUTHERAN, DES MOINES**

**OBJECTIVES:** 1) To provide the medical student with a strong PATIENT-ORIENTED interactive experience in an in-patient family practice environment. 2) To provide the medical student with additional clinical skills in the management of hospitalized patients. 3) To provide the medical student with a family practice philosophy of health care delivery.

**EXPECTATIONS: The student will:** 1) Have assigned patients they will manage. 2) Initially evaluate their patient(s) either prior to admission in the emergency department or as a direct admission. This will include a pertinent history, physical, differential diagnosis, and prudent diagnostic testing. The medical student will staff the patient with the residents and faculty member on the Family Practice In-Patient Service (FPIPS). 3) Follow the patient daily, writing a S.O.A.P. and staffing as above. 4) Participate daily in work rounds with the FPIPS residents. 5) Participate in daily attending rounds with the FPIPS residents and faculty member. 6) Participate in FPIPS selected clinical topics discussion group.

FACULTY: *Dr. Alexandra Hubbell and Staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Meggan Riggan-Rocha*  
REPORT TO: *Des Moines Medical Education Consortium  
Office, 515-241-4455.*  
SPECIAL CONDITIONS: *Room provided; subsidized meal allowance.*

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**FAM:8410 FAMILY MEDICINE CLERKSHIP, IOWA LUTHERAN, DES MOINES**

**OBJECTIVES:** This is a four week rotation in which the student will be based at the East Des Moines Family Care Center with over 22,000 patient visits annually.

**The student will:**

- Gain experience in delivering ambulatory care in a family practice office under the supervision of family physicians.
- Further develop interviewing and therapeutic skills.
- Gain skill in diagnosis and management of common illness as seen in a family practice office
- Develop skills in common procedures performed in a family practice office.

**These objectives will be accomplished by the students' participation in:**

- The care of patients in the clinic and hospital setting.
- Attendance at scheduled lectures and conferences.

FACULTY: *Dr. Alexandra Hubbell and Staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Meggan Riggan-Rocha*  
REPORT TO: *Des Moines Medical Education Consortium  
Office, 515-241-4455.*  
SPECIAL CONDITIONS: *Room provided; subsidized meal allowance.*





**OBJECTIVES:** The learner will gain experience in all areas of Family Medicine by participating as a junior resident. This will include maternity care, child and adolescent health, and adult medicine.

- EXPECTATIONS:**
- The student will function at the level of a resident.  
The student will spend most of his/her time at St. Luke's Regional Medical Center under the supervision of upper-level residents and the faculty.
  - The student will be expected to do the initial work-up of new patients, including writing a note, dictating the history and physical and writing orders with the resident or faculty. Patients will include maternity care including delivery and post-partum care.
  - The student will be expected to round on the admitted patients and develop a care plan on a day-to-day basis.
  - The student will see patients at the Family Medicine Center clinic about one afternoon per week.
  - Call will be taken with the upper level resident one week night per week and one weekend of the rotation.
  - Student will attend noon conferences on a daily basis.

**Students taking this rotation must be going into the specialty of Family Medicine.**

FACULTY: *Leah Johnson, M.D.*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Matt Kaemingk*  
REPORT TO: *Contact Matt Kaemingk at least two weeks prior to beginning of rotation to arrange meeting time and place.*  
SPECIAL CONDITIONS: *Transportation is required. Lodging is provided in an apartment very close to the Family Care Center. (There may be other students staying there at the same time.) The apartment has cooking facilities, but students may also take all meals at the hospitals. Contact Matt Kaemingk prior to arrival for specific details about the housing arrangements.*  
***Students must be going into Family Medicine.***

- OBJECTIVES:**      **The student will:**
- be introduced to the methods used in common medical practice oriented towards Family Medicine
  - increase his/her abilities to manage common health problems seen by a family physician

- EXPECTATIONS:**      **This will be accomplished by:**
- participation in the care of patients seen by the physician and residents of the Family Medicine residency program with the supervision of selected faculty and residents
  - exposure to various services of the hospital with the option of electing additional services which he/she feels will be of educational benefit to him/her
  - participating in all regularly scheduled resident conferences and lectures of the Family Medicine program.

FACULTY: *Leah Johnson, M.D.*

MAX ENROLLMENT: *1*

OFFERED: *All periods*

LENGTH OF ELECTIVE: *2 or 4 weeks*

ADMINISTRATIVE CONTACT: *Matt Kaemingk 712-294-5018 Fax 712-294-5091  
or email to m.kaemingk@slmef.org*

REPORT TO: *Dr. Leah Johnson*

SPECIAL CONDITIONS: *Contact Matt Kaemingk once assigned to this  
rotation to make arrangements.*

**OBJECTIVES:** This course will emphasize the inpatient aspects of key components of family medicine, including:

- continuity of care
- integration of health care in the local community
- caring for entire families and caring for patients throughout their lives
- patient education and prevention.

**EXPECTATIONS**  
:

- Serve as a member of the Family Practice Inpatient Team at Allen Memorial Hospital and Covenant Medical Center with responsibility for initial assessment of patients in the ER, or sent from the FPC for direct admission. This includes obtaining complete history, physical exam and developing a differential diagnosis and strategy for prudent diagnostic testing.
- Students will be supervised by the FP Team Chief Resident, other licensed members of the Team and the rounding and on-call faculty physicians.
- Follow patients daily in the hospital and writing progress notes.
- Dictate discharge summaries.
- Take first call approximately every 4th night with the Chief Resident.
- Apply and improve his/her skills of assessment, diagnosis, treatment and management of patients with illnesses commonly seen by family physicians.
- Follow patients from admission through discharge.
- Develop evaluation and communication skills by presenting patients and doing occasional clinical presentations at morning teaching sessions.
- Work with patients in two community hospitals.
- Assist with obstetrical care and deliveries.
- Participate in weekly didactic conference.

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

FACULTY: *Faculty of Family Medicine Residency Program*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Wendy Hudson, 319-272-2855 or 800-211-9283*  
REPORT TO: *Anthony Day, M.D., or other designated supervising physicians*  
SPECIAL CONDITIONS: *Transportation is required. A sleeping room and meals in the hospital are provided at no charge to the student. Students must be free of other obligations during this time period. Students must provide a record of immunizations and health screening.*

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**FAM:8418 FAMILY MEDICINE CLERKSHIP, WATERLOO**

The Northeast Iowa Medical Education Foundation and Family Practice Residency Program offer the fourth year medical student an opportunity to spend four weeks in the Family Practice Center.

- OBJECTIVES:**
- Understand the basic concepts of Family Medicine, including the importance of health maintenance, continuity of care, and family dynamics.
  - Acquire experience in the management of ambulatory care patients.
  - Acquire the ability to develop management plans for acute and chronic problems at various levels of care.
  - Gain experience the appropriate use of hospital outpatient facilities for diagnostic and therapeutic procedures.

- EXPECTATIONS:**
- Participate in the care of patients of the Northeast Iowa Family Practice Center. The student will have eight-twelve patient encounters daily.
  - Participate in the admission and diagnosis of selected hospitalized patients, as well as post-hospitalization follow-up.
  - Experience in the Centers laboratory and x-ray department, plus exposure to our behavioral scientist and clinic practice management.
  - Observe and participate in flexible sigmoidoscopy, colonoscopies, vasectomies, excision of lesions and other office surgical procedures.
  - Optional attendance at obstetrical deliveries available 5:00 p.m. to 7:00 a.m.
  - Attend at all appropriate scheduled and educational conferences.

FACULTY: *Faculty of Family Medicine Residency Program*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Wendy Hudson, 319-272-2855 or 800-211-9283*  
REPORT TO: *Wendy Hudson, Educational Coordinator,  
Northeast Iowa Medical Education Foundation,  
2055 Kimball Avenue, Waterloo, IA 50702*  
SPECIAL CONDITIONS: *A sleeping room and meals in the hospital cafeteria  
will be provided at no cost to the student.*

- OBJECTIVES:** The goal of this course is to provide an elective, advanced, rural community family practice clerkship, that will allow students to:
- Experience continuity of patient care in a rural setting and see patients at all ages in the life-span;
  - Have advanced experience in active participation in management of medical problems commonly seen in a rural family medicine office;
  - Further develop their patient communication skills;
  - Develop more advanced skills in health maintenance and patient education.
  - Obtain concentrated experience working with Spanish speaking patients.

- EXPECTATIONS:**
- See patients at River Crossing Center

Gain skill in assessment, diagnosis, treatment and management of patients with common illnesses seen in this setting. Have an opportunity to be involved in care of OB patients, including being involved in weekly exams and following individual patients through their delivery.

The Riverside Clinic is one of the regional family practice clinics that are part of UI Community Medical Services. It is managed and staffed by UI Department of Family Medicine physicians, physician assistants, and UI family practice residents and geriatric fellows. The clinic primarily serves the small rural communities of Riverside, Lone Tree, Conesville, and Nichols and the surrounding rural areas, and draws obstetrical and Spanish-speaking patients from West Liberty, Muscatine, Columbus Junction and Wapello. Students may expect to participate in obstetric care, geriatric care, well-child care, and adolescent and adult care. Because of the large number of Latino patients, it is highly desirable that students speak Spanish.

FACULTY: *David Bedell, M.D.*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Meggan Riggan-Rocha*  
REPORT TO: *Dr. Bedell*  
SPECIAL CONDITIONS: *See above regarding desirability to be able to communicate with patients in Spanish. It is necessary that student have access to a car.*

- OBJECTIVES:**     **The student will:**
- observe the medical care problems encountered in a rural referral center hospital
  - increase his/her understanding of the concepts of family centered medical care
  - increase his/her knowledge of common problems encountered by the family physician.

- EXPECTATION:**
- participation in the patient management decisions and responsibilities for ambulatory and hospitalized patients with the supervision and assistance of the senior residents, faculty, and attending family physicians - areas of emphasis include internal medicine, obstetrics, pediatrics and emergency medicine
  - participation in conferences, seminars, and patient management audits in the Family Medicine Center;
  - participation with the resident staff in the management of patients.

FACULTY: *Faculty of Family Medicine Residency Program*  
MAX ENROLLMENT: *1*  
OFFERED: *Permission Required*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Susan Hovey, 641/428-7510*  
REPORT TO: *Chad McCambridge, M.D.*  
*Mercy Family Medicine Residency*  
SPECIAL CONDITIONIS: *This elective is for students pursuing the specialty of Family Medicine. July – December is for 4<sup>th</sup> year students and January – June is for 3<sup>rd</sup> year students. Transportation is required. Lodging is provided in an apartment near the East Campus at Mercy Medical Center – North Iowa. At times students will need to share the apartment with other Iowa students. The apartment has cooking facilities, but students will also be given meal tickets to use at the hospital cafeteria. Contact must be made with the Family Medicine Clerkship Coordinator Chris Lake at [fm-clerkship@uiowa.edu](mailto:fm-clerkship@uiowa.edu) before signing up for this elective to check on availability.*

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FAM:8421 PRIMARY CARE SPORTS MEDICINE

**DESCRIPTION:** The goal of the Primary Care Sports Medicine elective is to provide a comprehensive, diverse, educational experience in the field of Sports Medicine. Graduates will possess the clinical competence needed to diagnose and manage medical illnesses and injuries related to sports and exercise in a variety of patients, recreational and organized athletes, and teams.

- OBJECTIVES:** By the end of the 4 week elective, medical students will be proficient in all six ACGME core competencies applicable to the field of Primary Care Sports Medicine. Specifically, students will be able to:
- Provide continuing, comprehensive care for health problems related to sports and exercise through exposure to the evaluation and treatment of common musculoskeletal injuries.
  - Demonstrate competence in performing the musculoskeletal exam and appropriate documentation.
  - Perform technical procedures, such as: casting and splinting, arthrocentesis and intra-articular joint injections, subacromial shoulder injections, tendonopathy injections, and trigger point injections.
  - Serve as team physician to several teams which engage in seasonal sports and provide comprehensive and continuing care to team athletes.
  - Function as part of a member of a multi-disciplinary sports medicine team including primary care physicians, orthopedic surgeons, musculoskeletal radiologists, physical therapists, and certified athletic trainers.

FACULTY: *Dr. Peter Hoth*

MAX ENROLLMENT: *1*

OFFERED: *All Blocks*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Meggan Riggan-Rocha*

REPORT TO: *See ICON or departmental email*

SPECIAL CONDITIONS: ***Student must be entering a Primary Care specialty.***



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FAM:8422 UNIVERSITY OF IOWA FAMILY MEDICINE/PSYCHIATRY  
FAMILY CARE CENTER, POMERANTZ FAMILY PAVILION

- OBJECTIVES:** This course will emphasize the integration of mental and physical health care 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 for patients throughout the lifespan
  - Integration of health care in the local community
  - Preventive medicine
  - Care for acute and chronic diseases
  - Patient education
- EXPECTATIONS:**
- Gain skill in assessment, diagnosis, treatment, and management of patients with common illnesses seen in the ambulatory setting while assigned to the Family Medicine/Psychiatry Clinic, the Family Medicine Clinic, the rural office in Riverside, the Free Medical Clinic, the Abbe Center for Community Mental Health, the palliative medicine service, and the IMPACT program
  - Work collaboratively with other members of the health care team
  - Attend conferences in Family Medicine & Psychiatry

FACULTY: *Alison Lynch, MD, Elective Director*  
*Jill Endres, MD, Fam Med Clerkship Director*  
*Anthony Miller, MD, Psychiatry Clerkship Director*

MAX ENROLLMENT: *1*

OFFERED: *All Periods*

LENGTH OF ELECTIVE: *2 or 4 weeks*

ADMINISTRATIVE CONTACT: *Meggan Riggan-Rocha*

REPORT TO: *See ICON or departmental email*

PREREQUISITES: *FAM:8301 and PSYC:8301*

SPECIAL CONDITIONS: ***Student must receive permission from Dr. Endres to register for this course.***

**OBJECTIVES:**

- 1) Hone clinical skills in **history taking, physical examination, diagnosis and management** of common conditions seen in a typically healthy, mostly late adolescent/young adult population in a large university health center (Iowa State University Thielen Student Health Center).
  - a. Medical needs commonly addressed include: **birth control, preventative health maintenance** visits (including well woman and well male exams, pap smears, men who have sex with men wellness/screening exams and vaccine counseling/provision), **sexually transmitted infection** screening/treatment, acute **orthopedics** (sprains/strains/fracture care), as well as management of a variety of **acute medical conditions** (e.g. upper and lower respiratory tract infections, urinary tract infections, vaginitis), and some **chronic** medical condition care.
  - b. A large component of the chronic care provided is for **mental health** needs (e.g. depression, anxiety, attention deficit disorder and others). There will be opportunities to interview patients, assess symptoms, clarify diagnoses, and formulate treatment plans, potentially collaborating with the multidisciplinary mental health team therapists/psychologists/psychiatric nurse practitioners and psychiatrists.
- 2) Observe and possibly (when available), assist in clinic-based **office procedures**. Procedures commonly performed include pelvic exams/pap testing, reversible long-term implantable birth control device placements/removals, skin laceration repair, skin lesion excisions/biopsies, rectal exams/simple anoscopy.
- 3) Improve **cultural competency**, working with a diverse (including international student) patient population.
- 4) Practice generating/managing **computerized medical documentation**.

**THESE WILL BE ACHIEVED BY:**

- 1) Independently and **one-on-one** in collaboration with attending staff, the student will interview/examine student health center patients and develop **differential diagnoses and management plans** and **counsel/treat** patients accordingly.
- 2) Attending open departmental/clinic **meetings, continuing medical education offerings**, etc. along with the preceptor(s), gaining an understanding/appreciation of the physician's other non-direct patient care responsibilities (e.g. practice management/public health).
- 3) Identifying and addressing personal **learning opportunities** as they come up in point of care. (Preceptor(s) may assist in identifying learning topics and request students report back with informal presentations of acquired knowledge).
- 4) Interacting day-to-day with the **multidisciplinary team** (e.g. front desk, nursing, pharmacy, physical therapy, mental health providers, family medicine nurse practitioners and physicians, and administrative staff) collaboratively to provide excellent patient care. (We expect students to be active/responsible parts of the care team).

**\*\*Students on this rotation must be seriously interested in pursuing family medicine, general internal medicine, adolescent medicine, or psychiatry as a specialty.**

FACULTY: *Laura Moeller, M.D.*  
MAX ENROLLMENT: *1*  
OFFERED: *All Blocks (pending availability/permission)*  
LENGTH OF ELECTIVE: *4*  
ADMINISTRATIVE CONTACT: *Meggan Riggan-Rocha*  
REPORT TO: *Laura Moeller, M.D.*  
SPECIAL CONDITIONS: Student must receive permission from Dr. Endres to register for this course. See interest requirement above.\*\*

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**FAM:8424 FAMILY CAREGIVING TRANSITIONS****EDUCATIONAL  
GOAL:**

To enhance clinical learning from caregiving experiences and to increase empathy and patient communication skills.  
To enhance personal understanding of, and growth through, caregiving responsibilities in periods of family health transitions.

**General Objectives - Students will:**

1. Personally experience:
  - ♦ the role of caregiver for newborn child OR
  - ♦ the role of caregiver for a family member with life-altering illness OR
  - ♦ self-care during newly-diagnosed, or change in status of, severe chronic health condition.
2. Reflect on experiences in caring for self and/or family member in times of such transitions and understand the implications for these experiences in their professional development as physicians.
3. Investigate a relevant and appropriate aspect of existing knowledge about an aspect of caregiving, including the impact of such responsibility on the caregiver.
4. Educate peers and COM staff about issues relating to individual investigation and experiences.
5. Develop additional specific educational objectives appropriate to their unique learning situation (to be approved by their mentor). These goals must be developed and approved prior to beginning the rotation, but may be amended after beginning.

**Eligibility:**

1. Students (M3 or M4) with new babies within 3 months of birth or arrival (biological or adopted, mothers or fathers); students with family members with life-altering diagnoses or significant caregiving requirements. In unique situations, students with newly diagnosed or significantly changed life-altering illnesses themselves requiring prolonged self-care and coping may also be considered for this elective.
2. Student must have significant caregiving responsibilities, similar to at least a 40 hour/week commitment.
3. Students must identify a faculty mentor in a relevant discipline for their project to be approved by course director. They must obtain faculty commitment to serve as a mentor and get OSAC approval prior to enrollment. Mentor's approval of project and approval of readings selected by the student must be secured before the rotation is begun.

FACULTY: *Jill Endres, M.D.*

MAX ENROLLMENT: *Arr*

OFFERED: *All periods*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Meggan Riggan-Rocha*

REPORT TO: *See ICON or departmental email*

SPECIAL CONDITIONS: *Grading is PASS/FAIL only.*

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**FAM:8425 SUB-INTERNSHIP (RURAL) ALGONA, IA**

**DESCRIPTION:** In this rural hospital-based sub-internship, students will work on the family medicine service alongside board-certified family physician faculty, performing all admissions on weekdays, and rounding on 4-10 hospitalized patients each day. In addition, the call responsibilities will include deliveries and ER coverage. This is an ideal sub-internship for students in the CRISP program, and/or those with special interest in rural medicine.

- OBJECTIVES:**
- Refine skills in assessment and diagnosis of pediatric, adult, and geriatric patients with serious and/or complex medical problems.
  - Refine skills in management of labor and birth as well as hospital postpartum and newborn care.
  - Develop skills in medical decision-making.
  - Attend to psychological, social, and behavioral factors that influence health and disease.
  - Educate patients about their diagnoses and individualized management plans.
  - Provide preventive care for patients according to established evidence-based guidelines when appropriate.
  - Effectively use electronic medical record for chart review, timely documentation, and order entry.
  - Facilitate safe and efficient transitions of care between ER, clinic, and hospital settings.
  - Work collaboratively with other members of the health care team, including nurses, social workers, mid-level providers, therapists, consultants and pharmacists.
  - Participate in discharge planning, including follow-up appointments and home/facility transitions.

- EXPECTATIONS:**
- Function as an R1 on the Family Medicine Inpatient Service with responsibility for initial assessment of patients in the emergency department or clinic. This includes obtaining a complete history, physical exam, and developing a differential diagnosis and strategy for prudent diagnostic work-up and treatment.
  - Follow patients daily in the hospital from admission to discharge, writing orders (to be cosigned by attending physician), admission H & P, progress notes, and discharge summaries.
  - Gather needed background information about the diagnosis and treatment of patients; assist in the library research and reference work indicated.
  - Practice evidence-based medicine with a clear and logical rationale for each diagnosis and each therapeutic recommendation.
  - Take call (ER coverage) one night each week.
  - Attend and present patients at staff care conferences each Friday morning and participate in Multidisciplinary Care Conference rounds each Monday.

FACULTY: *Brent Owen, M.D.*  
MAX ENROLLMENT: *1*  
OFFERED: *Contact Meggan Riggan-Rocha for availability*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Meggan Riggan-Rocha*  
REPORT TO: *Brent Owen, M.D.*

**OBJECTIVES: The student will:**

- Expand his/her fund of knowledge related to common illnesses and problems that are encountered in family medicine
- Gain experience in the assessment, evaluation and management of a wide variety of acute and chronic outpatient family medicine problems
- Refine the integrative skills of communication, coordination of care, and information management
- Appreciate the value of building relationships with patients and families over time
- Participate in attending to psychosocial, as well as physical, health needs of patients and families.

This elective can be taken concurrently with other electives in the medical school curriculum.

FACULTY: *Dr. Jill Endres and Staff*  
MAX ENROLLMENT: *arranged*  
LENGTH OF ELECTIVE: *Final 2 Advanced Semesters*  
ADMINISTRATIVE CONTACT: *Meggan Riggan-Rocha*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: ***Student must receive permission from Dr. Endres to register for this course.***

- OSAC GUIDELINES FOR ALL COC CLERKSHIPS:
1. *The COC is taken concurrently with other required and elective courses during the Advanced year.*
  2. *Students are not allowed to register for more than one COC.*
  3. *Students are allowed to register for a COC and be a group facilitator for CAPS, MAS, or MOHD, but they cannot ask off for both their COC and group facilitation in the same week. All other COC requirements must be met or continued facilitation will not be possible.*
  4. *Students must attend 80% of 42 schedulable weeks = 34 COC clinic sessions*
  5. *Students must have limited "off campus" weeks including away and global electives to meet the COC requirement.*
  6. *Students must submit a time-off request for each COC session.*
  7. *Students must limit their time off request from 2 week selectives to one half day per clerkship (i.e., only one COC session during a selective).*
  8. *Make-up sessions may be arranged at the discretion of the clerkship director to satisfy the attendance requirement.*
  9. *Students cannot drop their COC after January 1*

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**FAM:8497 RESEARCH IN FAMILY MEDICINE**

**OBJECTIVES:** The purpose of this elective is to provide introductory experience in department research for those individuals considering greater in-depth training at a later time.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Dr. Jill Endres*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**FAM:8498 FAMILY MEDICINE ON-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**FAM:8499 FAMILY MEDICINE OFF-CAMPUS**

**OBJECTIVES:** Students who wish to arrange special clerkships in Family Practice working with physicians or community hospitals outside Iowa City may do so under this course number. The supervising physician must either be a diplomat of the American Board of Family Practice or the equivalent. Prior approval must be obtained from the Department of Family Medicine through Dr. Jill Endres.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Meggan Riggan-Rocha*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

## DEPARTMENT OF INTERNAL MEDICINE

**COURSE DIRECTOR:** Dr. Joe Szot, Vice Chair for Education  
Dr. Milena Gebaska, Director, Sub-Internship Program

**CONTACT PERSON:** Kathleen Steenlage  
E328-4 GH  
356-2333

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### IM:8401 SUB-INTERNSHIP INTERNAL MEDICINE

**GOALS** Students will gain skills in Internal Medicine and inpatient care that will be useful regardless of their ultimate career path.

**OBJECTIVES** *Students will gain experience in providing excellent inpatient care by:*

1. working to master presentation skills by providing a focused, oral history and physical
2. learning to provide a well-organized written history and physical with a prioritized differential diagnosis, which justifies a therapeutic or diagnostic plan
3. learning to provide a detailed organ-specific exam based on patient needs.
4. learning to develop problem lists which lay the groundwork for a therapeutic / management plan and consider cost/benefit ratios.
5. being exposed to basic and advanced procedures
6. gaining experience in interpretation of labs and diagnostic tests
7. gaining expertise in data synthesis and patient management
8. practicing critical appraisal and applying the information to their patients.
9. developing meaningful relationships with patients, patients families, and colleagues
10. being introduced to ways to evaluate systems errors
11. working as a part of a health care team
12. mastering communication skills, particularly during patient handoffs.
13. mastering case presentation and being able to identify key teaching points from each and every patient
14. focusing on patient safety
15. focusing on minimizing the total number of pills and medications prescribed for their patients

*These goals will be achieved through the following:*

1. Under the supervision of a senior Medicine Resident, sub-interns will act as an R1 and assume responsibility for evaluating, treating, and following patients admitted to the general medicine service.
2. Patients will be presented and reviewed on daily rounds with attending physicians and other health care providers.
3. Sub-Interns will attend teaching conferences and review Medicine topics with the Teaching Resident.
4. Sub-Interns will actively participate in one physical exam session conducted jointly by the Teaching Resident and attending; this hybrid exercise includes small group discussion, short in-class teaching session, listening to HeartSongs (if applicable) and/or reviewing relevant imaging, and bedside 101 practice exam.
5. Sub-Interns will attend conferences on Evidence-based Medicine and Quality/Improvement.
6. Sub-Interns will participate in the 4th Year Professionalism seminar with Dr. Kaldjian.
7. Sub-Interns will practice effective and organized note-writing skills through self and peer-peer feedback using a specifically designed rubric assessment exercise.
7. Sub-Interns will select and present one clinical case (noon conference at the VA; Wards 101 time at UIHC) and summarize it with two to three key teaching points; will receive written feedback from the chief residents.
8. Sub-Interns will attend an interactive workshop related to polypharmacy as part of a High Value Care initiative, complete an EPIC-based exercise (will receive one-to-one written feedback), participate in small group discussions and have an opportunity to fill up pill boxes.

FACULTY: *Internal Medicine Faculty*  
MAX ENROLLMENT: *6 (7 – on Cardiology Teaching Service)*  
OFFERED: *Closed Nov/Dec/Jan*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Kathleen Steenlage, 6-2333*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Student must be without other obligations the entire four weeks with the exception of the Internal Medicine COC rotation. Students are expected to attend thru Friday PM of the last week of the rotation.*



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**IM:8410 CLINICAL ALLERGY-IMMUNOLOGY**

**OBJECTIVES:** 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 desensitizations, 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).

FACULTY: *Dr. Fasano and Staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Patty Bruffey Thoene, C42 GH*  
REPORT TO: *See ICON or departmental email*

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**IM:8412 CLINICAL CARDIOLOGY**

**OBJECTIVES:** 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.

COURSE DIRECTOR *Dr. Donald Brown*  
FACULTY: *Staff of Cardiovascular Division*  
MAX ENROLLMENT: *3*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Kathleen Detert, E316-1 GH, 384-8756, See ICON*  
REPORT TO: *See ICON or departmental email*

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**IM:8413 EKG & VASCULAR ULTRASOUND**

**OBJECTIVES:** Course meets every day Monday through Friday. Objective is to develop and further the confidence to read basic EKG patterns and rhythms critical to the primary care physician. These are the same objectives and methods as are stressed within the EKG portion of Transitions to Clinical Clerkships course. The students are expected to re-familiarize themselves with this ICD material before beginning the course. The students will learn by reading actual EKGs on their own with facilitation of learning by direct instructor feed of their interpretation.

The test is an extended matching test requiring the identification of 21 “12-lead” EKG diagnoses (such as inferior wall myocardial infarction; left bundle branch block) and 21 basic rhythm abnormalities.

Experiences in cardiovascular ultrasound will be designed to accomplish the following objectives:

1. The learner will be able to state which ultrasound modalities are appropriate as diagnostic procedures to answer which specific clinical questions.
2. The learner will learn by video and simulation and observation with ultrasound technicians the basic views and structures readily visualized by transthoracic echocardiography and peripheral vascular ultrasound (specifically abdominal aorta and carotid) and point of care ultrasound, specifically estimates of venous volume and left ventricular function.

The students will also be assigned to observe cardiac stress testing (standard Bruce protocol or dobutamine) with and without associated myocardial perfusion imaging or echocardiographic imaging

COURSE DIRECTOR *Dr. Donald Brown*  
MAX ENROLLMENT: 7  
OFFERED: **Closed some blocks:**  
*September 16-27, 2019*  
*November 11-22, 2019*  
*November 25-December 6, 2019*  
*December 9-20, 2019*  
*March 9-20, 2020*  
*March 24-April 3, 2020*  
*April 20-May 1, 2020*

LENGTH OF ELECTIVE: *2 weeks*  
ADMINISTRATIVE CONTACT: *Kathleen Detert, E316-1 GH, 384-8756*  
REPORT TO: *See ICON or departmental email*

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**IM:8414 CLINICAL ENDOCRINOLOGY**

**OBJECTIVES:** 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 Alumn Aud
- \* Endocrine Grand Rounds: Fridays 7:30 – 8:15 am.

FACULTY: *Dr. Amal Shibli-Rahhal and Staff*  
MAX ENROLLMENT: *2*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Abbey Gilpin, phone 3-7842*  
REPORT TO: *See ICON or departmental email*

**OBJECTIVES:** 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.

**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.

FACULTY: *Gastroenterology-Hepatology Staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Dr. Arvind Murali, 4553 JCP or  
Hilary Humphrey, 4608 JCP, 356-2132*  
REPORT TO: *See ICON or departmental email*

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**IM:8418 HEMATOLOGY ONCOLOGY**

**OBJECTIVES:** This elective is designed to increase diagnostic skills in hematology and oncology

**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.

FACULTY: *Staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Erin Thompson, C-32 GH, 356-2148*

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**IM:8422 CLINICAL INFECTIOUS DISEASE**

**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.

FACULTY: *Infectious Disease Staff*  
MAX ENROLLMENT: *2*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Stephanie Cecil*  
REPORT TO: *See ICON or departmental email*

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**IM:8424 PULMONARY DISEASE - MEDICAL INTENSIVE CARE UNIT**

**OBJECTIVES:** To introduce the student to modern concepts of critical care medicine and to acquire an appreciation for patients that are critically ill and recognize them as such. Students will learn a general approach to stabilizing the patient, regardless of the location of the patient or the field of medicine the student chooses to pursue. Students will develop a hands-on knowledge of mechanical ventilation, vasoactive drugs, and sedation and analgesia in the MICU. There will be opportunities for assisting in common MICU procedures including central venous catheters and paracentesis.

Students will be expected to be an integral part of the MICU team and actively participate in patient management working with the house-staff and attending physicians.

Students will not take overnight call, but will have the option to experience overnight shifts, which typically provide higher acuity emergencies.

FACULTY: *Pulmonary faculty on rotational basis.*  
MAX ENROLLMENT: 2  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Lakshmi Durairaj, M.D.*  
*Alicia Hoerschelman, C 33 F GH*  
REPORT TO: *See ICON or departmental email*

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**IM:8426 PULMONARY DISEASE - CONSULTATION SERVICE**

**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).

FACULTY: *Pulmonary faculty on rotational basis.*  
MAX ENROLLMENT: 2  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Lakshmi Durairaj, M.D.,*  
*Alicia Hoerschelman, C 33 F GH*  
REPORT TO: *See ICON or departmental email*

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**IM:8428 ADULT NEPHROLOGY**

- 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

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.

FACULTY: *Dr. Antes and Renal Division Staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Lisa Novak, E300 GH, 356-3446*  
REPORT TO: *See ICON or departmental email*

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**IM:8434 CLINICAL RHEUMATOLOGY**

- OBJECTIVES:** **The student will:** 1) increase his/her understanding of rheumatic diseases; 2) increase his/her skill in medical diagnosis of these diseases; 3) will learn the principles of management of patients with these diseases; 4) participate in clinical conferences.

**This will be achieved through:** 1) participation in daily clinical activities; 2) frequent patient-oriented discussion of problems as they arise on the clinical service; 3) independent study.

FACULTY: *Dr. Stafford and all Division faculty members*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Dr. Dee Dee Stafford & Patty Bruffey Thoene*  
REPORT TO: *See ICON or departmental email*

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**IM:8435 PALLIATIVE CARE**

**GOALS:** Students will become familiar with the basic concepts of the delivery of hospice and palliative care in both the inpatient and outpatient setting. In addition, students will be introduced to the multidisciplinary care for patients with serious illnesses and their families and will work closely with team members of other disciplines.

**OBJECTIVES** At the conclusion of the rotation, students will be able to:

1. understand the principles of hospice and palliative medicine in the inpatient and home settings including eligibility for hospice care.
2. describe situations in which palliative medicine consultation is appropriate.
3. define effective strategies and techniques for communicating with patients and families especially when communicating bad news.
4. appropriately prescribe opioid and non-opioid drugs for the treatment of pain and to accurately calculate equivalent doses of different opioids.
5. describe assessment and management strategies for non-pain symptoms in patients at the end of life, particularly nausea, dyspnea, anorexia, delirium and terminal restlessness.
6. educate and prepare family and staff for death.
7. work with patients regarding goals of care.
8. explore the emotional and psychosocial aspects of the illness experience and physician grief.

Goals and objectives will be achieved by:

1. assisting with the supervised care for patients on the UIHC Palliative Care Consult Service.
2. participating in educational conferences/meetings including the UIHC Palliative Care Conference and daily report at UIHC.
3. reading about patients encountered while on the rotation.

COURSE DIRECTOR: *Timothy A. Thomsen, MD (Program Medical Director); William David Clark, MD*

MAX ENROLLMENT: *1*

OFFERED: *All periods*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Suzanne Streitz, phone 467-5426*

REPORT TO: *See ICON or departmental email*



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**IM:8437 MULTIDISCIPLINARY CANCER CARE**

**OBJECTIVES:** The Multidisciplinary Cancer Care rotation is a 2-week elective designed to acquaint the student to basic concepts of cancer care and the role a multidisciplinary team plays in the care of cancer patients. In addition, it will support the development of attitudes, knowledge and skills that will be useful to any student entering any specialty that encounters patients with cancer. During this elective the student will have the opportunity to tailor their experience based on career goals by working with faculty with specific clinical expertise (such as particular disease sites or patient populations).

Objectives: The student will

- gain an appreciation for a multidisciplinary approach to cancer treatment by recognizing the role of each team member in the care of the patient.
- learn about the methods and value of clinical staging of common cancers.
- improve physical exam skills used extensively in the care of cancer patients (ie. lymph node, head and neck and breast exam).
- learn about general principles of oncology including cancer treatment plans and supportive medical care of the cancer patient.
- learn about specialized procedures of radiation therapy for cancer involving general simulation and treatment, planning and administration of radiation therapy.
- recognize the importance of the patient in the decision-making process and influences that affect their choices (ie. palliative care and clinical trial decisions).

FACULTY: *Internal Medicine & Radiation Oncology Faculty*

MAX ENROLLMENT: *1*

OFFERED: *September-April*

LENGTH OF ELECTIVE: *2 weeks*

ADMINISTRATIVE CONTACT: *Internal Medicine: Kathleen Steenlage, 6-2333  
Radiation Oncology: Shawn Reynolds, 6-2699  
Hematology Oncology: Erin Thompson, 6-2148*

REPORT TO: *See ICON or departmental email*

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**IM: 8449 EDITORIAL WRITING FOR MEDICAL STUDENTS**

**DESCRIPTION:** This course will allow students to understand and practice the skill of writing Opinion Editorials aimed at improving the public's understanding of health and healthcare. Students will learn how to effectively engage a broad, non-medical audience through their writing, with the goal of producing an Opinion Editorial piece that could be submitted for publication to a local or national newspaper.

This course will meet 2 times per week for 2.5 hours/session. The first four sessions of the course will be conducted in a seminar-style with a focus on discussion of the assigned readings. There will also be a brief time (10-15 minutes) allotted for writing. The second four sessions of the course will be conducted in a workshop format for the purposes of editing and receiving feedback on the students' editorial pieces. During the workshop students will share their work and receive constructive critical feedback from the instructor and their peers.

Outside of class, students will be responsible for critically reading all course material (approximately 10-15 hours per week), preparing one presentation (approximately 5 hours during the week they are assigned), completing writing assignments and discussion posts (approximately 15 hours per week), and meeting with a class partner to discuss each other's work (approximately 3-5 hours per week).

- OBJECTIVES:** By the end of this course, students will:
- a. Describe what an Op-Ed is and how this format can be a valuable tool for a physician to engage the general public with issues in healthcare (ICS01)
  - b. Critically read and discuss published Opinion Editorials, mining the work for tools that can be used in their own piece of persuasive writing (PBL01)
  - c. Gain experience writing, editing, and providing and receiving feedback on an Op-Ed piece (PR01, PR02, SBP01, SBP02)
  - d. Pursue publication of an original Op-Ed piece that serves to educate a public or medical audience. The rotation director will be available outside of the duration of the elective if needed to mentor individuals on the logistics of publishing (ICS01)

FACULTY: *Brittany Bettendorf, MD*

MAX ENROLLMENT: *12*

OFFERED: *SP20 – 3/9/2020*

*SP21 – 3/8/2021*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Kathleen Steenlage*

REPORT TO: *See ICON or departmental email*

SPECIAL CONDITIONS: *Grading is PASS/FAIL only.*

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**IM:8450 CONTINUITY OF CARE OUTPATIENT INTERNAL MEDICINE**

**DESCRIPTION:** Continuity of Care in Outpatient Internal Medicine is designed to provide the fourth-year medical student with a longitudinal continuity of care experience in the outpatient setting. Emphasis is placed on the broad clinical spectrum of General Internal Medicine practice. This will include effective approaches to preventing disease as well as identifying and managing acute and chronic illnesses. Throughout the year the student will have the opportunity to work closely with an identified faculty mentor for one-half day each week while being actively involved in patient care. Additional exposure to topics central to outpatient internal medicine will be provided through didactic conferences and other learning venues. Opportunities to refine evidence-based medicine skills and reflect on the practice of medicine more broadly are also built into this elective.

**GOALS:** Prepare the fourth year medical student for the practice of Internal Medicine through exposure to a variety of patients, patient problems and physician skills representative of Internal Medicine. A student developed learning portfolio will be used to demonstrate progress in these areas.

**OBJECTIVES:** The student enrolled in this elective will:

1. learn the fundamental principles of practicing General Internal Medicine in the ambulatory setting.
2. learn to recognize manifestations of disease and manage the course of common illnesses.
3. develop skills that address care of the healthy patient including preventive medicine; care of the patient with acute illness; and longitudinal care of the patient with chronic illness as well as care through the course of the complete illness.
4. become familiar with the thought process of an internist with an emphasis on diagnostic decision-making; evidence-based medicine; cost effective medicine; and self-directed learning.
5. begin to develop skills of an internist such as communication with patients; communication with colleagues; ability to work in a team; comprehensive approach to care; and skills useful in practice.
6. establish a mentoring relationship with the assigned physician preceptor.

**COURSE DIRECTOR:** *Shawna Westermann, M.D.*

**MAX ENROLLMENT:** *Arranged, limited by number of faculty available*

**LENGTH OF ELECTIVE:** *Final 2 Advanced Semesters*

**ADMINISTRATIVE CONTACT:** *Kathleen Steenlage*

**REPORT TO:** *See ICON or departmental email*

**SPECIAL CONDITIONS:** ***Student must receive permission from Dr. Westermann to register for this course. An orientation session will be held during the first week of the elective. In addition students enrolled will be expected to attend quarterly meetings with the course director and faculty participants.***

**OSAC GUIDELINES FOR ALL COC CLERKSHIPS:** *1. The COC is taken concurrently with other required and elective courses during the Advanced year.*

*2. Students are not allowed to register for more than one COC.*

*3. Students are allowed to register for a COC and be a group facilitator for CAPS, MAS, or MOHD, but they cannot ask off for both their COC and group facilitation in the same week. All other COC requirements must be met or continued facilitation will not be possible.*

*4. Students must attend 80% of 42 schedulable weeks = 34 COC clinic sessions*

*5. Students must have limited "off campus" weeks including away and global electives to meet the COC requirement.*

*6. Students must submit a time-off request for each COC session.*

*7. Students must limit their time off request from 2 week selectives to one half day per clerkship (i.e., only one COC session during a selective).*

*8. Make-up sessions may be arranged at the discretion of the clerkship director to satisfy the attendance requirement.*

*9. Students cannot drop their COC after January 1*

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**IM:8451 SUB-INTERNSHIP INTERNAL MEDICINE, IMMC, DES MOINES**

**OBJECTIVES:** The student will function as an intern-equivalent on the Younker 8 pulmonary teaching service. The student will be responsible for the evaluation and daily care of 3-5 inpatients. Daily rounding and teaching will occur with the first-year resident and the assigned pulmonary attending staff physician. The student will take call with the intern one weeknight each week and one of the weekends during the month. The student will participate in the daily teaching conferences of the internal medicine residency program.

FACULTY: *Drs. Hicklin, Guest, Collins, Enriquez, Mohr, Brimeyer, Trump, McCann, Danielson, Mallen, and Dodge*

MAX ENROLLMENT: *1*

OFFERED: *All periods*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Kathleen Steenlage - UIHC  
Wendi Kruger - DSM*

REPORT TO: *Tyler Schwiesow, 515-241-4455*

SPECIAL CONDITIONS: *Room provided; limited meals provided.*

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**IM:8453 MEDICAL ICU, IOWA METHODIST, DES MOINES**

**OBJECTIVES:** Student will function as a sub-intern in the IMMC ICU. Student will be responsible for the evaluation and care of carefully selected critically ill patients. The student will be under the supervision of a senior level internal medicine resident and a critical care/pulmonary staff physician. The student will have an opportunity to gain competence, not only in the evaluation and management of critically ill patients, but also in advanced procedural skills. Daily rounding and teaching will occur with the medical critical care team.

FACULTY: *Drs. Hicklin, Guest, Collins, Enriquez, Mohr, Brimeyer, Trump, McCann, Danielson, Mallen, and Dodge*

MAX ENROLLMENT: *1*

OFFERED: *January – July only*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Kathleen Steenlage - UIHC  
Wendi Kruger - DSM*

REPORT TO: *Des Moines Medical Education Consortium,  
515-241-4455*

SPECIAL CONDITIONS: *Preference given to students planning to pursue  
internal medicine residency training.  
Room provided; limited meals provided.*

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**IM:8454 INTERNAL MEDICINE CONSULT SERVICE,  
IOWA METHODIST, DES MOINES**

**OBJECTIVES:** Learn principles of hospital medicine. Students will gain exposure to common hospital medicine problems as well as preoperative risk assessment, perioperative management of common medical problems like hypertension, coronary disease, lung disease and diabetes mellitus in the surgical patient, and principles of co-management with other services. The students will have the opportunity to develop & demonstrate patient care skills expected of a first-year resident under the supervision of a hospitalist general medicine physician. This will include dictating initial notes, writing daily progress notes, writing initial orders and daily orders on assigned patients. Students will participate in daily teaching rounds with faculty but will have no on-call responsibilities. The student will attend other educational conferences of the Internal Medicine Residency Program including daily noon conference and weekly Grand Rounds conferences.

FACULTY: *Members of the UnityPoint Clinic Central Iowa  
Hospitalists teaching faculty*

MAX ENROLLMENT: *1*

OFFERED: *All periods*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Kathleen Steenlage - UIHC  
Wendi Kruger - DSM*

REPORT TO: *Des Moines Medical Education Consortium,  
515-241-4455*

SPECIAL CONDITIONS: *Room provided; limited meals provided.*

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**IM:8455 PUBLIC HEALTH MEDICINE, DES MOINES**

The State of Iowa Department of Public Health offers an elective rotation for fourth-year medical students. This is an opportunity to learn the public health issues of acute disease while actively participating in ongoing projects. In addition, this rotation can provide insight into future training and/or career opportunities in public health practice.

**OBJECTIVES:** Learn the public health impact and response to communicable disease, poisonings and other acute events.  
Participate in an outbreak investigation.  
Learn the organization and function of a state health department.  
Learn how public health policy is developed and implemented.  
Develop a written report for publication (if possible).  
Learn core functions and ten essential services of public health.

These objectives will be accomplished by participation in the investigation of an acute disease outbreak (should one occur during the rotation), by participation in one of several ongoing projects (for example, studying the impact of the RAGBRAI on health behaviors), and by participation in public health grand rounds (a weekly discussion of current activities the Center is involved in).

FACULTY: *Caitlin S. Pedati, MD, MPH, State Epidemiologist  
Russell Carrier, DVM, MPH, Public Health  
Veterinarian, Nurse Epidemiologists and other  
public health staff*

MAX ENROLLMENT: *1*

OFFERED: *Most periods, see special conditions.*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Dr. Caitlin Pedati (515) 281-3826 or via e-mail at  
caitlin.pedati@idph.iowa.gov*

REPORT TO: *Des Moines Area Medical Education Consortium  
Office, 515/241-4455*

SPECIAL CONDITIONS: *Students who are interested in this course should  
contact the Iowa Department of Public Health/Dr.  
Pedati before signing up for this course to make  
sure a slot is available. Hours are from 8:30-5:00  
Monday-Friday plus evenings and weekends during  
public health emergencies; No patient care  
responsibilities. Contact Dr. Pedati at least one  
month in advance of start of rotation to discuss  
specific interests, projects, etc.*

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**IM:8456 CLINICAL CARDIOLOGY, IOWA METHODIST, DES MOINES**

**OBJECTIVES:** Assist with the evaluation and treatment of patients admitted and seen in consultation by the Cardiology Consult Service. Students will have the opportunity to develop and demonstrate patient care skills expected of a first-year resident under the direct supervision of a Cardiology Division faculty member. Students will see patients with common cardiovascular problems including chest pain, acute coronary syndromes, congestive heart failure, valvular heart disease, syncope dysrhythmias, and perioperative cardiac risk assessment. The student will participate in daily teaching rounds with faculty but there are no on-call responsibilities. The student will attend other educational conferences of the Internal Medicine Residency Program including daily noon conference and weekly Grand Rounds conferences.

FACULTY: *Drs. Nerheim, Haugland, Fudge, Groben, Lovell, and Khan (Div Chief)*

MAX ENROLLMENT: *1*

OFFERED: *All periods*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Kathleen Steenlage - UIHC  
Wendi Kruger - DSM*

REPORT TO: *Des Moines Area Medical Education Consortium,  
515-241-4455*

SPECIAL CONDITIONS: *Room provided; limited meals provided.*

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**IM:8457 CLINICAL NEPHROLOGY, IOWA METHODIST, DES MOINES**

**OBJECTIVES:**

- 4-week rotation. Assist with the evaluation and treatment of patients admitted and seen in consultation by the Nephrology Consult Service.
- Exposure to common nephrology problems including, acute renal failure, chronic renal failure, acid-base disorders, and common electrolyte disorders.
- Students will have the opportunity to develop & demonstrate patient care skills expected of a first-year resident under the supervision of a Nephrology Division faculty member.
- Students will dictate initial notes, write daily progress notes, write initial orders, and write daily orders on assigned patients.
- Participate in daily teaching rounds with faculty but no on-call responsibilities.
- Attend other educational conferences of the Internal Medicine Residency Program including daily noon conference and weekly Grand Rounds conferences.

FACULTY: *Dr. Mark Belz & Nephrology Staff Physicians*

MAX ENROLLMENT: *1*

OFFERED: *All periods*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Kathleen Steenlage - UIHC  
Wendi Kruger - DSM*

REPORT TO: *Des Moines Area Medical Education Consortium,  
515-241-4455*

SPECIAL CONDITIONS: *Room provided; limited meals provided.*

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**IM:8495 INTERNAL MEDICINE CRITICAL CARE OFF-CAMPUS**

**OBJECTIVES:** Critical Care rotation individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Kathleen Steenlage*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**IM:8497 RESEARCH IN INTERNAL MEDICINE**

**OBJECTIVES:** The purpose of this elective is to provide introductory experience in department research for those individuals considering greater in-depth training at a later time.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**IM:8498 INTERNAL MEDICINE ON-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

Individually arranged elective forms are to be approved by the Department of Internal Medicine. Credit for specially arranged courses in Internal Medicine is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Kathleen Steenlage*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*



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**IM:8499 INTERNAL MEDICINE OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

Individually arranged elective forms are to be approved by the Department of Internal Medicine. Credit for specially arranged courses in Internal Medicine is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Kathleen Steenlage*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

## DEPARTMENT OF NEUROLOGY

COURSE DIRECTOR: Dr. Tracey Cho

CONTACT PERSON: Caroline Martin  
8820-20 JPP  
384-5094

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### NEUR:8401 ADVANCED INPATIENT NEUROLOGY

**OBJECTIVES:** 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.

FACULTY: *Dr. Cho*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Caroline Martin*  
REPORT TO: *See ICON or departmental email*

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### NEUR:8402 ADVANCED OUTPATIENT NEUROLOGY

**OBJECTIVES:** 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.

FACULTY: *Dr. Cho*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Caroline Martin*  
REPORT TO: *See ICON or departmental email*

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**NEUR:8404 SUB-INTERNSHIP IN NEUROLOGY**

- OBJECTIVES:** This 4-week course provides opportunities in which the student to do the following
- 1) Develop skills related to the management of patients hospitalized with acute neurological disease
  - 2) Gain experience in the diagnosis, evaluation, and treatment of patients with acute neurologic disease in the emergency department setting and on inpatient units
  - 3) 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.

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

Patient care responsibilities:

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

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

Evaluations; 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.

FACULTY: *Dr. Cho*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Caroline Martin*  
REPORT TO: *See ICON or departmental email*

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**NEUR:8497 RESEARCH IN NEUROLOGY**

**OBJECTIVES:** The purpose of this elective is to provide introductory experience in department research for those individuals considering greater in-depth training at a later time.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**NEUR:8498 NEUROLOGY ON-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Caroline Martin*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**NEUR:8499 NEUROLOGY OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Caroline Martin*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

## DEPARTMENT OF NEUROLOGICAL SURGERY

COURSE DIRECTOR: Dr. Matthew Howard

CONTACT PERSON: Carol Bontrager  
1617 JCP  
353-7902

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### NSG:8401 SUB-INTERNSHIP NEUROSURGERY

**OBJECTIVES:** 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.

FACULTY: *Dr. Howard and Staff*  
MAX ENROLLMENT: 5  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Carol Bontrager*  
REPORT TO: *See ICON or departmental email*

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### NSG:8497 RESEARCH NEUROLOGICAL SURGERY

**OBJECTIVES:** Students will plan and conduct research in a clinical or laboratory topic under the direction of a faculty member. This may be part of an ongoing project. Areas of laboratory investigation include cerebral blood flow, spinal cord injury, spinal biomechanics/instrumentation, tissue culture, and electrophysiology of pain mechanisms, auditory cortex, and auditory neural prostheses.

FACULTY: *Dr. Howard and Staff*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Dr. Howard*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Contact Dr. Howard with inquiries.  
Individually arranged elective form must be  
submitted 4 weeks prior to beginning of rotation.*

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### NSG:8498 NEUROSURGERY ON-CAMPUS

**OBJECTIVES:** Individually arranged by student with approval of the department.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be  
submitted 4 weeks prior to beginning of rotation.*

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**NSG:8499 NEUROSURGERY OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by the student with the approval of the department.

FACULTY: *Arranged*

MAX ENROLLMENT: *Arranged*

OFFERED: *Arranged*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Carol Bontrager*

REPORT TO: *See ICON or departmental email*

SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

## DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

COURSE DIRECTOR: Dr. Sarah Shaffer, D.O.

CONTACT PERSON: Sally Fisher  
51210-B PFP  
384-8654

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### OBG:8401 HIGH RISK ANTEPARTUM OBSTETRICS SUB-INTERNSHIP

**DESCRIPTION:** Sub-internship focused on inpatient and outpatient care of women with co-morbid health conditions that complicate pregnancy, fetal conditions, and complications of pregnancy.

**OBJECTIVES:**

1. Under supervision by the antepartum resident and faculty member, the sub-intern will be responsible for managing high-risk antepartum patients admitted to the Obstetric Service. This will include ordering diagnostic studies, following labs, and being involved in the patients' clinical courses. 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 patients he or she has evaluated and will participate in the discussion concerning other patients
2. The sub-intern will see specific patients in the High Risk obstetrics clinics.
3. Assist with the evaluation of complicated obstetric patients admitted to labor & delivery. The sub-intern may be involved in the intrapartum care and delivery of the high-risk obstetric patient.
4. Completion of one formal referenced paper of a specific problem in Maternal-Fetal Medicine chosen by the student and one of the faculty members. The student will be evaluated by this evidence-based paper.
5. Required Clinical Experiences will be recorded and midblock feedback will be scheduled with your preceptor.

FACULTY: *Drs. Stephen Hunter, Andrea Greiner, Kimberly Leslie, Janet Andrews, Mark Santillan and Nina Moreira*

FACULTY DIRECTOR: *Nina Moreira MD*

MAX ENROLLMENT: *1*

OFFERED: *All periods*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Sally Fisher*

REPORT TO: *See ICON or departmental email*

**DESCRIPTION:** 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 on documentation, clinical decision-making and management plans. The mid-block evaluation meeting with Dr. Hill will include input from the Gyn Onc team. Dr. Hill will complete the final evaluation by completing input from the other faculty, residents and fellows.

**OBJECTIVES:**

1. Develop a better understanding of diagnosis, evaluation, and management of patients with a variety of gynecologic malignancies.
2. Participate in direct patient care under the supervision of faculty and resident physicians. The student's experiences will consist predominantly of patient care.
3. Develop skills in the management of postoperative gynecological cancer patients, with emphasis on clinical decision-making and development of management plans.
4. 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 admission orders.
5. Develop skills in management of postoperative fluid, electrolyte, and acid-base disorders as well as exposure to postoperative wound evaluation/care and assist in placement of nasogastric tubes or other on-floor procedures as appropriate.
6. Practice independent evaluation of postoperative pain, and develop an understanding of postoperative pain management.
7. Participate in the management of post-operative patients with anemia and malnutrition.
8. Engage in opportunities to independently identify critically ill patients who require immediate attention and require transfer to an intensive care setting.
9. Practice documenting clinical activities (admission notes, progress notes, discharge summaries) in the medical record.
10. Function collaboratively in a clinical management team including nursing staff, students, residents, consulting providers, social workers, ward clerks, and other support staff.

**EVALUATION METHODS:**

1. The sub-intern will attend the weekly Gynecologic Oncology Tumor Board, unless they are in the OR.
2. 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 from the rotation.
3. Required Clinical Experiences will be recorded and midblock feedback will be scheduled with your preceptor.

FACULTY: *Drs. David Bender, Michael Goodheart, Jesus Gonzalez-Bosquet, Emily K. Hill and Megan McDonald*

FACULTY DIRECTOR: *Emily K. Hill MD*

MAX ENROLLMENT: *1*

OFFERED: *All periods*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Sally Fisher*

REPORT TO: *See ICON or departmental email*



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**OBG:8403 REPRODUCTIVE ENDOCRINOLOGY**

**DESCRIPTION:** 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, OR's, and other settings including imaging (ultrasound, HSG), IVF, etc. All evaluations will be aggregated and the final grade submitted. 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

- OBJECTIVES:**
1. Increase understanding and skill in evaluation, diagnosis, and treatment of patients with infertility, amenorrhea, recurrent pregnancy loss, and other gynecological endocrinopathies.
  2. Increase understanding and ability to evaluate an OR patient pre-operatively, and care for patients post-operatively in the hospital..
  3. Active participation in the Reproductive Endocrinology and Infertility Clinics several days a week.
  4. A presentation to the division on a topic chosen by the student will be used to evaluate learning objectives.
  5. Participation in related major in-patient and minor out-patient surgical procedures, including pre and post-operative evaluation and care.
  6. Attendance at weekly student chapter review lectures.
  7. Participation and assistance in performing hysterosalpingograms one afternoon per week, assistance in performing pelvic ultrasounds throughout the week, and study of assigned reading material.
  8. Required Clinical Experiences will be recorded and midblock feedback will be scheduled with your preceptor.

FACULTY: *Drs. Brad VanVoorhis, Hakan Duran, Jessica Kresowik, Abey Eapen and Rachel Mejia. Elizabeth Graf, PA and Dana Aybout El Sayed, ARNP*

FACULTY DIRECTOR: *Hakan Duran MD*

MAX ENROLLMENT: *1*

OFFERED: *All periods*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Sally Fisher*

REPORT TO: *See ICON or departmental email*

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**OBG:8405 UROGYNECOLOGY**

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

**OBJECTIVES:**

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

**ACTIVITIES:**

1. Complete the four-week advanced elective rotation. No weekend or evening shifts are required.
2. Function as an active member of the Urogynecology clinical team.
3. Prepare a chosen topic as a short presentation to the Urogynecology clinical team during the final week of the rotation.
4. Required Clinical Experiences will be recorded and midblock feedback will be scheduled.

**FACULTY:** *Drs. Catherine Bradley, Joseph Kowalski and Kimberly Kenne.  
Diane Elas and Stephanie Atkinson, ARNP*

**FACULTY DIRECTOR:** *Catherine Bradley MD*

**MAX ENROLLMENT:** *1*

**OFFERED:** *All periods*

**LENGTH OF ELECTIVE:** *4 weeks*

**ADMINISTRATIVE CONTACT:** *Sally Fisher*

**REPORT TO::** *See ICON or departmental email*

**DESCRIPTION:** The student will function as an active member of the Family Planning team, participating in clinical activities and outpatient procedures. The student will spend time at UIHC Gynecology Procedure Clinic, Emma Goldman clinic, and Planned Parenthood. No weekend or evening shifts are required. To be eligible for a grade of Honors, the student must demonstrate advanced knowledge of a Family Planning topic as demonstrated by a chosen topic. The student will be enrolled in the fourth year professionalism seminar through the Program for Bioethics and Humanities as part of this rotation. This seminar meets once per month; a seminar invitation will arrive via email.

The student will be directly supervised by the Medical Director of the Ryan Residency Family Planning and various UIHC gynecology staff as well as physicians and health care providers on staff at the Emma Goldman and Planned Parenthood clinics. At the end of the rotation the physicians will consult with other members of the clinical team and will provide a joint evaluation on the students' performance.

- OBJECTIVES**
1. Observe typical family planning practices, including ambulatory clinic visits and outpatient procedures.
  2. Learn and understand the basic mechanisms of contraception and choosing appropriate candidates for different contraceptive methods.
  3. Learn about the management options of spontaneous abortion including expectant, medical and surgical treatment.
  4. Understand medical regimens and surgical methods for inducing abortion in the first and second trimesters.
  5. Demonstrate the basic history and physical exam performed in women presenting for contraceptive management, routine OBGyn care, and various gynecologic procedures.
  6. Observe and participate in gynecologic procedures such as suction D&C's, MVA's, IUD insertion, office hysteroscopy, sterilization, and ultrasound.
  7. Required Clinical Experiences with be recorded and midblock feedback will be scheduled with your preceptor.

**FACULTY DIRECTORS:** *Dr. 's Abbey Hardy-Fairbanks and Stephanie Radke*

**MAX ENROLLMENT:** *1*

**OFFERED:** *All periods*

**LENGTH OF ELECTIVE:** *4 weeks*

**ADMINISTRATIVE CONTACT:** *Sally Fisher*

**REPORT TO:** *See ICON or departmental email*

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**OBG:8409 OB/GYN NIGHT FLOAT**

**DESCRIPTION:** 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 and Night R2 will perform the initial assessment of Emergency Department or inpatient consults/admissions with supervision of the R3/4 and /or faculty as indicated. The Night Float will call out plans discussed at evening sign-out for the inpatient gyn services. When not actively engaged in the care of GYN patients, the Night Float will participate in the work of the resident team on Labor & Delivery, gaining OB procedural experience. However, this 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 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 LDR sign-out pending service needs. The Night Float will attend Gyn Onc AM rounds including sign-out of assigned patients to the day team.

- OBJECTIVES:**
1. 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 gynecology services overnight including 2-3 medically complex Gyne Onc patients. He/she will develop skill in the management of inpatient gynecology (oncology and benign) patients.
  2. Under resident and staff supervision, the student will evaluate patients in the Emergency Department and Labor & Delivery, construct differential diagnoses and plans of care. At Gyn Onc morning sign-out, the Night Float will present the patients he/she has managed and will participate in the discussion concerning other patients. The Night Float will be evaluated by direct supervision and evidence-based questions related to inpatient management and procedures.
  3. The Night Float may be involved in the intrapartum care and delivery of obstetric patients.
  4. Required Clinical Experiences will be recorded and midblock feedback will be scheduled with the faculty director.

FACULTY DIRECTOR: *Dr. Stephanie Radke*

MAX ENROLLMENT: *1*

OFFERED: *All Periods*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Sally Fisher*

REPORT TO: *See ICON or departmental email*

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**OBG:8450 CONTINUITY OF CARE OBSTETRICS & GYNECOLOGY**

**DESCRIPTION:** Continuity of Care in Obstetrics & Gynecology is an advanced elective designed to provide a longitudinal patient care experience with a single dedicated Generalist faculty preceptor over 12 months. Throughout the year, for one half day each week, the student will be actively involved in patient care, working directly with their preceptor. The student is encouraged to engage in self-directed learning about Obstetric & Gynecologic topics of interest based on patient encounters. Completion of a project that focuses on a preventative care, well –women screening, or patient education subject is a required component of this elective.

**GOALS:** The elective is designed to prepare the interested student for outpatient women’s health care, building on experience gained in the OBGyn core clerkship.

- OBJECTIVES:**
1. Demonstrate increased knowledge of the breadth and depth of outpatient women’s health care topics.
  2. Display improvement of skills in performing the female pelvic and breast examinations, including collection of Pap tests, and other common gynecologic point-of-care tests.
  3. Identify abnormal findings on female pelvic and breast examinations.
  4. Discuss management algorithms for commonly encountered gynecologic problems.
  5. Exhibit communication skills and cultural competency working with patients, their families, as well as health care team members.
  6. Establish awareness of system-based health care topics in the outpatient OBGyn environment.
  7. Develop a mentoring relationship.

ADMINISTRATIVE CONTACT: *Sarah Shaffer*  
MAX ENROLLMENT: *2*  
LENGTH OF ELECTIVE: *Full Academic Year (12 months / Jan-Dec)*  
ADMINISTRATIVE CONTACT: *Sally Fisher*  
REPORT TO *See ICON or departmental email*

- OSAC GUIDELINES FOR ALL  
COC CLERKSHIPS:
1. The COC is taken concurrently with other required and elective courses during the advanced phase (Phase III).
  2. Students are not allowed to register for more than one COC.
  3. Students must attend 80% of 42 scheduled weeks = 34 COC sessions (session = ½ day clinic) to “complete” this course.
  4. Makeup sessions may be arranged at the discretion of the course director and preceptor to satisfy the attendance requirement.
  5. Students must limit their time-off requests for 2 week clerkships to one held day per clerkship (i.e. only one COC session during a 2 week clerkship).
  6. Students must limit “off campus” weeks including away and global electives to meet the 34 session COC requirement.
  7. Students are not allowed to register for a COC and be a group facilitator for:
    - Case-Based Learning in FCP I
    - Case-Based Learning in FCP II
    - Physical Exam Skills in FCP II
    - Patient-Centered Learning in FCP III
    - Cased-Base Learning for admission interviews

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**OBG:8497 RESEARCH IN OB/GYN**

**DESCRIPTION:** Individually arranged by student with approval of the Course Director.

The purpose of the elective is to provide an introductory experience in departmental research for those individuals with interest in OBGyn and/or who may be considering greater in-depth training at a later time. The student must select a specific area of interest and develop a written educational plan with the assistance of the course director (and, when applicable, the supervisor/mentor). The educational plan will consist of the students goals and learning objectives during the elective. The student must secure a faculty member to serve as the supervisor and mentor during the elective. The faculty mentor must agree in writing to provide oversight and guidance to meet the educational goals and objectives. The faculty mentor must agree to complete a standard CCOM student evaluation within one week of completion of the elective outlined in the educational plan.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

COURSE DIRECTOR: *Sarah Shaffer D.O.*  
FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Sally Fisher*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation. Refer to ICON site.*

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**OBG:8498 OB/GYN ON-CAMPUS**

**DESCRIPTION:** Individually arranged by student with approval of the Course Director.

The student must select a specific area of interest and develop a written educational plan with the assistance of the course director (and, when applicable, the supervisor/mentor). The educational plan will consist of the students goals and learning objectives during the elective. The student must secure a faculty member to serve as the supervisor and mentor during the elective. The faculty mentor must agree in writing to provide oversight and guidance to meet the goals and objectives. The faculty mentor must agree to complete a standard CCOM student evaluation within one week of completion of the elective outlined in the educational plan.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

COURSE DIRECTOR: *Sarah Shaffer D.O.*  
FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Sally Fisher*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation. Refer to ICON site.*

**DESCRIPTION:** Individually arranged by student with approval of the Course Director.

The student must select a specific area of interest and develop a written educational plan with the assistance of the course director (and, when applicable, the supervisor/mentor). The educational plan will consist of the students goals and learning objectives during the elective. The student must secure a faculty member to serve as the supervisor and mentor during the elective. The faculty mentor must agree in writing to provide oversight and guidance to meet the goals and objectives. The faculty mentor must agree to complete a standard CCOM student evaluation within one week of completion of the elective outlined in the educational plan.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

COURSE DIRECTOR: *Sarah Shaeffer D.O.*  
FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Sally Fisher*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation. Refer to ICON site.*

## DEPARTMENT OF OPHTHALMOLOGY

COURSE DIRECTOR: Dr. Pavlina Kemp

CONTACT PERSON: Michelle Snyder  
11290 PFP  
356-2921

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### OPHT:8401 EXTERNAL EYE DISEASE

**OBJECTIVES:** Intended for students interested in learning about the most common non-refractive eye disorders.

**The student is expected to:** 1) learn basic techniques of eye examination; 2) learn to diagnose common diseases of the eyelids, conjunctiva, and cornea; 3) learn basic principles of therapeutics of external eye disease.

**This will be achieved by:** 1) reading assignments; 2) daily conferences; 3) clinical work-up of patients; 4) self-assessment programs.

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

FACULTY: *Mark Greiner, M.D.*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Michelle Snyder*  
REPORT TO: *See ICON or departmental email*  
PREREQUISITE: *OPHT:8301*

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### OPHT:8402 NEURO-OPHTHALMOLOGY

**OBJECTIVES:** 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 the Neuro-ophthalmology Clinic and presenting them to the faculty.

FACULTY: *Matthew Thurtell, MBBS, MSc, FRACP*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Michelle Snyder*  
REPORT TO: *See ICON or departmental email*  
PREREQUISITE: *OPHT:8301*



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**OPHT:8403 MOLECULAR OPHTHALMOLOGY**

**OBJECTIVES:** Four week course designed to introduce the student to the use of molecular ophthalmology in the study of inherited eye diseases. Directed reading and library research are augmented by clinical and laboratory activities.

FACULTY: *John Fingert, M.D., PhD*

MAX ENROLLMENT: *1*

OFFERED: *All periods*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Michelle Snyder*

REPORT TO: *See ICON or departmental email*

SPECIAL CONDITIONS: *Instructor permission required.  
Student must send a written request describing  
their interest in molecular genetics and a  
reference.*

PREREQUISITE: *OPHT:8301*

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**OPHT:8404 OCULAR PATHOLOGY**

**OBJECTIVES:** This course is designed to introduce the student to ophthalmic pathology and the basic principles of ocular disease.

**GOALS:** Attitude:  
1) To develop an appreciation for the importance of communication between the surgeon and pathologist.  
2) To learn to incorporate preparation of specimens for pathologic examination into the surgical plan.  
3) To appreciate the manner in which pathologic specimens should be handled for diagnostic purposes.

Knowledge:

1) To understand the basic pathologic mechanisms of disease and understand how these may manifest in the eye and ocular adnexae.  
2) To understand the relationship between clinical manifestations of ocular disease and the pathologic findings (clinicopathologic correlation).

Skills:

1) To recognize basic histology of the eye and ocular adnexae.  
2) To become familiar with terminology in the field of ophthalmic pathology.  
3) To develop a basic differential diagnosis based on pathologic findings.

This course is designed to introduce the student to ophthalmic pathology and the basic principles of ocular disease. Working with the staff and residents in the Ophthalmic Pathology Laboratory in the Dept. of Ophthalmology, the student will participate in the gross and microscopic examination and diagnosis of surgical and autopsy specimens from the eye and ocular adnexae. Clinicopathologic correlation will be stressed with problems in an unknown case format. Students will be expected to supplement their practical experience with independent reading and examination of histopathologic teaching materials. A final examination will be given. Students would be expected to make one clinicopathologic correlation (CPC) presentation at morning conference toward the end of their elective. A clinical ophthalmology elective or similar previous clinical exposure is highly recommended prior to taking this course.

This course is designed as a 4 week elective (5 days a week/8 hours per day). Not available July, course may be abbreviated in May and October due to major ophthalmology meetings.

FACULTY: *Nasreen Syed, M.D.*  
MAX ENROLLMENT: *1*  
OFFERED: *Closed July*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Michelle Snyder*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Instructor permission required*  
PREREQUISITE: *OPHT:8301*

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**OPHT:8405 ADVANCED OPHTHALMOLOGY - VA****OBJECTIVES:**

This advanced elective offers the opportunity for an in depth clinical experience in the assessment and management of ophthalmology patients. Elective clerks will serve on the Iowa City Veterans Affairs Health System Ophthalmology team, and will see outpatients and ER visits alongside the residents and faculty.

**The student is expected to:** 1) learn basic techniques of eye examination; 2) learn to diagnose common acute and chronic eye conditions; 3) learn to formulate treatment plans for eye conditions seen in clinic.

**This will be achieved by:** 1) working up patients in the VA Ophthalmology Clinic and presenting them to faculty; 2) daily conferences; 3) reading assignments; 4) self-assessment programs.

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

FACULTY: *Tom Oetting, MD*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Michelle Snyder*  
REPORT TO: *See ICON or departmental email*  
PREREQUISITE: *OPHT:8301*

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**OPHT:8406 PLASTIC & RECONSTRUCTIVE SURGERY**

**Objectives:** Intended for students interested in learning about Ophthalmic Plastic and Reconstructive Surgery.

**The student is expected to:** 1) learn basic eyelid, lacrimal, and orbital anatomy; 2) demonstrate eyelid, lacrimal, orbital, and socket examination techniques; 3) demonstrate understanding of the diagnosis and management of common oculoplastic conditions including eyelid, orbital, and lacrimal trauma

**This will be achieved by:** 1) reading assignments; 2) work-up of patients in clinic with presentation to faculty; 3) observation of surgical procedures in the operating room; 4) presentation of an interesting case or topic with literature review once a week; 5) presentation at morning rounds towards the end of the elective;

FACULTY: *Keith Carter, M.D.; Erin Shriver, M.D.*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Michelle Snyder*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Instructor permission required.*  
PREREQUISITE: *OPHT:8301*

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**OPHT:8497 RESEARCH IN OPHTHALMOLOGY**

**OBJECTIVES:** The purpose of this elective is to provide introductory experience in department research for those individuals considering greater in-depth training at a later time.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**OPHT:8498 OPHTHALMOLOGY ON-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Michelle Snyder*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**OPHT:8499 OPHTHALMOLOGY OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Michelle Snyder*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

## DEPARTMENT OF ORTHOPEDICS AND REHABILITATION

COURSE DIRECTOR: Dr. Charles Clark  
CO-DIRECTOR: Dr. Jose Morcuende

CONTACT PERSON: Kelly Schnoebelen  
01016R JPP  
353-7951

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ORTH:8402

### SUB-INTERNSHIP IN ORTHOPEDICS-TRAUMA

**OBJECTIVES:** **The student will:** 1) Increase his/her clinical skills but assuming a junior resident level of responsibility managing medically complex inpatients. The student will increase their proficiency in perioperative patient assessment and management, including assisting in procedures and use of laboratory diagnosis and radiologic studies pertinent to one faculty member's clinic practice. The student's experiences will consist predominantly (>80%) of inpatient responsibilities.

- 1) Be involved in direct patient care under the supervision of faculty and senior level residents. The clinical experience will be limited to 80% inpatient care.
- 2) Concurrently provide care for at least 2 inpatients with a variety of admission diagnoses and co-morbid conditions with hospital stays of at least 3 days.
- 3) Participate as members of multidisciplinary teams.
- 4) Document their clinical activities (admission notes, progress notes, discharge notes and orders) in the medical record which will be reviewed daily by the supervising faculty physician or senior resident.

**This will be achieved by:** 1) Working on an orthopedic surgery service as a Sub-intern including their night/weekend call, clinics, procedures, postprocedure patient management. Sub-interns will work on the Trauma Service (Red Team). 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. At least one week prior to the clerkship, students must email Dr. Clark/Kelly Schnoebelen two or more proposed goals for their sub-internship month, which may need to be negotiated if not clearly feasible. Near the middle/end of the clerkship, students will meet with Dr. Clark addressing how their goals were or were not met. Amy will facilitate the student's meetings. The student will attend all departmental didactic lectures and conference. In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

FACULTY: *Orthopedic Staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods (no visiting students)*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Kelly Schnoebelen*  
REPORT TO: *See ICON or departmental email*

- OBJECTIVES:**     **The student will:** 1) Increase his/her clinical skills but assuming a junior resident level of responsibility managing medically complex inpatients. The student will increase their proficiency in perioperative patient assessment and management, including assisting in procedures and use of laboratory diagnosis and radiologic studies pertinent to one faculty member’s clinic practice. The student’s experiences will consist predominantly (>80%) of inpatient responsibilities.
- 1) Be involved in direct patient care under the supervision of faculty and senior level residents. The clinical experience will be limited to 80% inpatient care.
  - 2) Concurrently provide care for at least 2 inpatients with a variety of admission diagnoses and co-morbid conditions with hospital stays of at least 3 days.
  - 3) Participate as members of multidisciplinary teams.
  - 4) Document their clinical activities (admission notes, progress notes, discharge notes and orders) in the medical record which will be reviewed daily by the supervising faculty physician or senior resident.

**This will be achieved by:** 1) Working on an orthopedic surgery service as a Sub-intern including their night/weekend call, clinics, procedures, postprocedure patient management. Sub-interns will work on the Adult Reconstruction Service (Blue Team). 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. At least one week prior to the clerkship, students must email Dr. Clark/Kelly Schnoebelen two or more proposed goals for their sub-internship month, which may need to be negotiated if not clearly feasible. Near the middle/end of the clerkship, students will meet with Dr. Clark addressing how their goals were or were not met. Amy will facilitate the student’s meetings. The student will attend all departmental didactic lectures and conference. In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

FACULTY:	<i>Orthopedic Staff</i>
MAX ENROLLMENT:	<i>1</i>
OFFERED:	<i>All periods (no visiting students)</i>
LENGTH OF ELECTIVE:	<i>4 weeks</i>
ADMINISTRATIVE CONTACT:	<i>Kelly Schnoebelen</i>
REPORT TO:	<i>See ICON or departmental email</i>

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**ORTH:8404 INTRODUCTION TO PHYSICAL MEDICINE & REHABILITATION**

This clerkship is intended primarily for students pursuing other specialties (such as family medicine, orthopedics, neurology, emergency medicine) OR those who are exploring PM&R as a possibility, to provide brief exposure to the field. Students with strong interest in PM&R should consider the 4-week PM&R clerkship and the 2-week acute inpatient rehab clerkship.

**OBJECTIVES:** Students will increase their knowledge in the diagnosis and management of a wide range of acute and chronic neuro-musculoskeletal conditions, including back, neck, hip, and shoulder pain, and sequelae of stroke, brain injury, spinal cord injury, and amputations, among others. They will learn principles of non-surgical treatment of pain, indications for surgical referral, and functional needs of those living with chronic disability.

**This will be achieved by:** 1) participating in PM&R outpatient clinics, including EMG and MSK ultrasound; 2) participating in therapy, psychology, and orthotics & prosthetics clinics; 3) completing a short oral presentation (10 min) on a topic of interest.

FACULTY: *Drs. Aschenbrenner, Bingham, P. Chen, and Hall*  
MAX ENROLLMENT: *1 (additional on case-by-case basis)*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 weeks*  
ADMINISTRATIVE CONTACT: *Kelly Schnoebelen, 01016R JPP*  
REPORT TO: *See ICON or departmental email*

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**ORTH:8405 PHYSICAL MEDICINE AND REHABILITATION**

This clerkship is intended primarily for students planning or strongly considering a career in PM&R. These students should also strongly consider the 2-week acute inpatient rehab clerkship. Other students may participate, but priority will be given to students pursuing PM&R.

**OBJECTIVES:** **The student will:** 1) increase their ability to diagnose, treat and rehabilitate patients with non-surgical injuries of the neuro-musculoskeletal systems; 2) increase knowledge of the complications of injuries to the neuro-musculoskeletal system.

**This will be achieved by:** 1) participating in outpatient PM&R clinics at UIHC and the VA, including EMG and MSK ultrasound; 2) participating in inpatient PM&R consults; 3) participating in therapy, psychology, and orthotics & prosthetics clinics; 4) completing a short oral presentation (10-20 min) on a topic of interest.

FACULTY: *Drs. Aschenbrenner, Bingham, P. Chen and Hall*  
MAX ENROLLMENT: *1 (additional on case-by-case basis)*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Kelly Schnoebelen, 01016R JPP*  
REPORT TO: *See ICON or departmental email*

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**ORTH:8406 PM&R ACUTE INPATIENT REHAB – CEDAR RAPIDS**

This is an away elective clerkship in Cedar Rapids, and is intended primarily for those students who are planning or strongly considering a career in PM&R. It is also open to students who are pursuing other specialties that frequently collaborate with PM&R, such as neurology, neurosurgery, and orthopedic surgery, but priority will be given to students pursuing PM&R.

**OBJECTIVES:**

Students will learn to perform a rehab-focused history and neurological/musculoskeletal exam, develop rehab oriented goals, identify and treat common rehab medical issues, and understand the role and programming of inpatient rehab facilities in the larger context of post-acute care.

**This will be achieved by:** 1) participating in daily rounds and patient care on an inpatient rehab unit, supervised by a PM&R attending; 2) practicing documentation specific to the inpatient rehab unit; 3) participating in team and family meetings; 4) completing a 10-20 minute oral presentation on a clinical topic or systems-based issue.

FACULTY: *Drs. Smith, Appleby, Mathew, and P. Chen*  
MAX ENROLLMENT: *2 (additional on case-by-case basis)*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 weeks*  
ADMINISTRATIVE CONTACT: *Cherie Weber, Cedar Rapids Medical Education  
319-297-2306  
Kelly Schnoebelen, 01016R JPP*  
REPORT TO: *Dr. Devin Smith  
St. Luke's Hospital  
1026 A Ave NE  
Cedar Rapids IA 52402  
319-369-8877*

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**ORTH:8407 ORTHOPEDICS - ADULT HIP/KNEE RECONSTRUCTION**

**OBJECTIVES:** **The student will:** 1) develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system; 2) 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:** 1) participation in the Blue Team-adult hip and knee reconstruction service; 2) duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital and the operating room; 3) participation in staff conferences and rounds including presentation of patients for discussion; 4) 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.

FACULTY: *Orthopedic Staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Kelly Schnoebelen, 01016R JPP*  
REPORT TO: *See ICON or departmental email*









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**ORTH:8414****ORTHOPEDECS - VA**

**OBJECTIVES:**     **The student will:** 1) develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system; 2) 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:** 1) participation in the VA service-general Orthopedics; 2) duties will be analogous to those of an intern with responsibility for patient care in clinic, hospital and the operating room; 3) participation in staff conferences and rounds including presentation of patients for discussion; 4) 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.

FACULTY:                             *Orthopedic Staff*  
MAX ENROLLMENT:                 *1*  
OFFERED:                             *All periods*  
LENGTH OF ELECTIVE:             *4 weeks*  
ADMINISTRATIVE CONTACT:        *Kelly Schnoebelen, 01016R JPP*  
REPORT TO:                         *See ICON or departmental email*  
SPECIAL CONDITIONS:             *Must have completed an advanced clinical orthopedics course as prerequisite*

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**ORTH:8497     RESEARCH IN ORTHOPEDICS**

**OBJECTIVES:** Individually research elective arranged by student with approval of the department.

FACULTY:     *Arranged*  
MAX ENROLLMENT:     *Arranged*  
OFFERED:     *Arranged*  
LENGTH OF ELECTIVE:     *4 weeks minimum*  
ADMINISTRATIVE CONTACT:     *Kelly Schnoebelen, 01016R JPP*  
REPORT TO:     *See ICON or departmental email*  
SPECIAL CONDITIONS:     *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**ORTH:8498     ORTHOPEDECS ON-CAMPUS**

**OBJECTIVES:**     Individually arranged by student with approval of the department.

FACULTY:     *Arranged*  
MAX ENROLLMENT:     *Arranged*  
OFFERED:     *Arranged*  
LENGTH OF ELECTIVE:     *4 weeks minimum*  
ADMINISTRATIVE CONTACT:     *Kelly Schnoebelen, 01016R JPP*  
REPORT TO:     *See ICON or departmental email*  
SPECIAL CONDITIONS:     *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**ORTH:8499 ORTHOPEDICS OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of department.

General Orthopedic rotation may be arranged through other University Centers or private Orthopaedists with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Kelly Schnoebelen, 01016R JPP*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*  
EVALUATIONS: *Students are responsible for evaluations. Kelly Schnoebelen will email you the evaluation before your rotation starts.*

## DEPARTMENT OF OTOLARYNGOLOGY

COURSE DIRECTOR: Dr. Scott Graham

CONTACT PERSON: Jodi Klein  
21154 PFP  
356-1744

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### OTO:8402 ADVANCED OTOLARYNGOLOGY

**OBJECTIVES:** **The student will:** 1) become proficient in the physical examination of the head and neck; 2) increase his ability to diagnose, evaluate and manage common disorders of the ears, nose, and throat; 3) work in the outpatient clinic, on inpatient services, and in the operating room.

**This will be achieved through:** 1) examination of a large number of patients; 2) assuming interns level responsibility inpatient care; 3) independent study; 4) exposure to the operating room if desired.

FACULTY: *Staff*  
MAX ENROLLMENT: *3*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Jodi Klein*  
REPORT TO: *See ICON or departmental email*

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### OTO:8497 RESEARCH IN OTOLARYNGOLOGY

**OBJECTIVES:** The purpose of this elective is to provide introductory experience in department research for those individuals considering greater in-depth training at a later time.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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### OTO:8498 OTOLARYNGOLOGY ON-CAMPUS

**OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Jodi Klein*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**OTO:8499 OTOLARYNGOLOGY OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval by department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Jodi Klein*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

## DEPARTMENT OF PATHOLOGY

SENIOR CONTACT PERSON: Vicky Farrington-Howrey  
C683 GH  
356-0319

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### PATH:8401 AUTOPSY PATHOLOGY CLERKSHIP

**OBJECTIVES:** **The student will:** 1) increase his/her knowledge of the gross and histologic morphology of a wide variety of diseases and injuries; 2) learn the basic aspects of the postmortem examination and clinicopathologic correlation; 3) become acquainted with the role of the autopsy and medical examiner in quality control, public health and medicolegal death investigation; and 4) improve basic case presentation skills.

**These objectives will be achieved by:** 1) assisting in the complete postmortem examination; 2) reviewing charts as part of the autopsy examination; 3) participating in weekly autopsy conferences and brain cutting sessions; and 4) participating in scheduled didactic sessions.

Students will have some opportunity for exposure to surgical pathology.

FACULTY: *Dr. Stephanie Stauffer, Dr. Dennis Firchau,  
Dr. Marcus Nashelsky and other anatomic  
pathology faculty attending on the autopsy  
service*

MAX ENROLLMENT: *1*

OFFERED: *All periods*

LENGTH OF ELECTIVE: *2 weeks*

ADMINISTRATIVE CONTACT: *Vicky Farrington-Howrey*

REPORT TO: *A See ICON or departmental email*

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### PATH:8402 HEMATOPATHOLOGY CLERKSHIP

**OBJECTIVES:** **The student will:** 1) develop proficiency in the evaluation of peripheral blood and bone marrow, lymph node, and body fluid cell evaluation; 2) increase skills in recognition of benign and malignant disorders of the hematopoietic system; 3) learn the appropriate laboratory work-up of anemia, thrombocytopenia/thrombocytosis, leukocytic disorders, and suspected hemoglobinopathy/thalassemia; 4) increase understanding of the functioning of the hematology laboratory; and 5) correlate hematologic findings with molecular, flow cytometric and cytogenetic laboratory findings.

**This will be achieved through:** 1) performance of written reports on peripheral blood and bone marrow cases; 2) attendance at daily review of bone marrows and abnormal peripheral blood and body fluid films; 3) review of hemoglobin electrophoresis cases in conjunction with CBC data, blood smear findings, and clinical history; 4) attendance at hematopathology and lymphoma conferences.

FACULTY: *Drs. S. Bhagavathi , S. Syrbu, C. Holman and C.  
Zhao*

MAX ENROLLMENT: *1*

OFFERED: *All Periods*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Vicky Farrington-Howrey*

REPORT TO: *See ICON or departmental email*

SPECIAL CONDITIONS: *Instructor consent required.*



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**PATH:8403 SURGICAL PATHOLOGY**

**OBJECTIVES:** 1) To become acquainted with the contributions to and limitations of tissue examination to patient care, 2) to learn basic aspects of tissue examination and approaches to anatomic diagnosis, 3) to be exposed to a variety of diseases at the gross and microscopic level.

**The student will** actively participate in surgical pathology by: 1) observing the gross and assisting in the microscopic examination, clinical pathological correlation and report preparation of current surgical and medical specimens, 2) participating in daily surgical pathology conferences.

FACULTY: *Dr. Anthony Snow and Staff*  
MAX ENROLLMENT: *2*  
OFFERED: *Closed March*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Vicky Farrington-Howrey*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Scheduling approval Dr. Snow*

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**PATH:8404 TRANSFUSION MEDICINE**

**OBJECTIVES:** 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 preparation of and 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) Answer requests from the clinical services regarding the transfusion of blood components and special services (e.g., therapeutic plasma exchange).
- 4) Observe specific procedures such as: plasmapheresis, photopheresis, therapeutic phlebotomy, and peripheral blood progenitor cell collection.
- 5) Participate in an offsite blood drive with DeGowin Donor Center Staff (optional).
- 6) Be familiar with Blood Bank procedures and regulations including knowing techniques of erythrocyte typing, compatibility testing, antibody detection and antibody identification. Students will participate in specific procedures including pretransfusion compatibility testing, RBC typing and antibody screen.
- 7) Be able to apply knowledge of Transfusion Medicine to other specialties of obstetrics, anesthesia, medicine, and surgery.
- 8) 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.

FACULTY: *Drs. M. Knudson, A. Schlueter and J. Blau*  
MAX ENROLLMENT: *1(2 with Medical Director Approval)*  
OFFERED: *All periods – based on availability of an open trainee slot in the DeGowin rotation schedule*  
LENGTH OF ELECTIVE: *2/4 weeks No Holidays or weekends.*  
ADMINISTRATIVE CONTACT: *Vicky Farrington-Howrey*  
REPORT TO: *See ICON or departmental email*

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**PATH:8405 CLINICAL MICROBIOLOGY**

- OBJECTIVES:** The student will:
- 1) receive training in the preanalytical (specimen oriented), analytical (laboratory oriented) and postanalytical (interpretation oriented) aspects of infectious disease diagnostics;
  - 2) gain a practical working knowledge of how to order testing to diagnose common infectious diseases;
  - 3) learn how to interpret microbiological data to manage patient care.

This will be achieved through:

- 1) bench rotations and observation;
- 2) attendance and participation in daily bench rounds;
- 3) participation in 4 weekly conferences, with one 10-minute presentation;
- 4) interfacing with clinical staff, hospital epidemiology and laboratory staff;
- 5) access to a wide variety of learning resources, including a faculty-led didactic series.

FACULTY: *Dr. Bradley Ford*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2/4 weeks*  
ADMINISTRATIVE CONTACT: *Vicky Farrington-Howrey*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Instructor consent required.*  
*Immunocompromised students may need evaluation before exposure to cultures and patient samples. Grading is PASS/FAIL only.*

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**PATH:8497 RESEARCH IN PATHOLOGY**

- OBJECTIVES:** The purpose of this elective is to provide introductory experience in department research for those individuals considering greater in-depth training at a later time.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**PATH:8498 PATHOLOGY ON-CAMPUS**

- OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Vicky Farrington-Howrey*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**PATH:8499 PATHOLOGY OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Vicky Farrington-Howrey*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

## DEPARTMENT OF PEDIATRICS

COURSE DIRECTOR: Dr. Vanessa Curtis, M.D.

CONTACT PERSON: Cathy Chavez  
356-7824  
BT 2015 22 GH

The pediatric inpatient services are staffed with a physician care team which includes the attending faculty, pediatric residents, and Phase 2 and Phase 3 medical students. **All Pediatric inpatient rotations will include one week of nights. Individual team information can be found on ICON.**

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### PEDS:8401 PEDIATRIC INPATIENT CARE SUB-INTERNSHIP

- The pediatric sub-internship is designed to
- Objectives**
- Advance pediatric-specific knowledge and clinical decision-making
  - Expand awareness of the complex interrelations between families and the healthcare team
  - Promote professionalism within the healthcare system
  - Prepare students for the demands of the internship.
- General Guidelines**
- Sub-interns will spend four weeks at UI Children’s Hospital, during which time they will carry responsibilities similar to that of interns with direct oversight by the supervising resident and the attending pediatrician. Sub-interns will follow their own patients in a manner similar to that of the interns on the service and will be responsible for their patients at a level commensurate with their training. Each sub-intern will develop 4 goals for the rotation and will write a 1-page reflection at the end of the rotation. The goals will be reviewed at the midpoint of the rotation. **Students will be expected to attend the Professionalism Seminar held the afternoon of the last Wednesday of the rotation. Attendance is mandatory.**
- Duty Hours and on call assignments**
- Duty hours will conform to the resident duty hours published by the ACGME and implemented at UI Children’s Hospital.
  - The schedule can be found on ICON.
- Patient assignments**
- Sub-interns should expect to carry 2-4 patients, under the direct supervision of the supervising resident (PL3) and the direct oversight of the attending pediatrician. Responsibilities will be progressively increased as deemed appropriate by the supervising resident.
  - Patients will be assigned by the supervising resident to balance the work load and will reflect common acute and chronic problems of pediatric patients.
- Consists of three individual “teams”:
- Blue Team:** General Pediatrics, Cardiology, Neurology, Pulmonology, Rheumatology, Allergy & Immunology
  - Green Team:** General Pediatrics, Endocrinology, Gastroenterology, and Nephrology
  - Red Team:** Hematology/Oncology

PLEASE CONTACT THE PEDIATRIC EDUCATION OFFICE TO INDICATE YOUR TEAM PREFERENCE WITHIN ONE WEEK AFTER THE COMPUTER ASSIGNMENTS ARE MADE. First come, first served. You are not able to put preferences into the computer. Those who do not indicate a preference will be assigned a team based on availability.

**Students will be assigned one week of nights. Team schedules can be found on ICON.**

FACULTY: *Staff*  
MAX ENROLLMENT: *3*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Cathy Chavez*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Time off is discouraged. Students must have no other obligations other than the Pediatric COC*  
EVALUATIONS: *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback. Students are expected to upload the completed and signed midrotation form to ICON to receive full credit. All students will write a 1-page reflection of their experience at the end of the rotation and upload it to ICON. Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.*

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**PEDS:8402 GENERAL PEDIATRICS SUB-INTERSHIP,  
BLANK CHILDREN'S HOSPITAL, DES MOINES**

- Objectives** The pediatric sub-internship is designed to
- Advance pediatric-specific knowledge and clinical competency
  - Expand awareness of the complex interrelations between families and the healthcare team
  - Promote and continue education about the healthcare system
  - Prepare students for the challenges and demands of the internship.
- General Guidelines** Sub-interns will spend four weeks at BCH, during which time they will carry the full responsibilities of interns, although with more direct supervision by the supervising resident and the attending pediatrician. Sub-interns will follow their own patients in a manner similar to that of the interns on the service and will be responsible for their patients at a level commensurate with their training. Each sub-intern will develop 4 goals for the rotation and will write a 1-page reflection at the end of the rotation. The goals will be reviewed at the midpoint of the rotation.
- Duty Hours and on call assignments**
- Duty hours will conform to the resident duty hours published by the ACGME and implemented at BCH. Specific details will be provided to sub-interns at the time of orientation to the rotation.
  - Sub-Interns will be assigned to work 5 consecutive nights during one week of the rotation (Sunday – Thursday, 6 pm – 7 am).
  - Sub-interns should expect to carry 4-6 patients, under the direct supervision of the supervising resident (PL3 or PL2) and the direct oversight of the attending pediatrician. Patients will be assigned by the supervising resident to balance the work load and will reflect common acute and chronic problems of pediatric patients.
- Expectations**
- The student will review the patient's chart, interview the patient/family, examine the patient, and present the data on rounds in an organized, systems-based fashion.
  - The student should begin to learn how to communicate with the families and patients, during rounds under the supervision of the senior resident and attending.
  - The student should write daily notes (H&P, progress notes, or discharge summaries) on the patients that they are taking care of. Feedback will be given on these notes daily by the supervising resident or attending physician.
  - The student should perform literature searches, as appropriate, to help formulate differential diagnoses or develop a more thorough understanding of the patient's diagnosis.
  - The student is expected to demonstrate critical thinking about the patient's illness by utilizing the objective data, physical exam and background research to formulate a plan of care.
  - The student is expected to follow up on any interventions, lab, radiology, or pathology results to ensure that the patient's plan of care is being executed appropriately. The student will then discuss results with the supervising senior resident and attending.
  - The student is expected to recognize the value and expertise that various healthcare professionals (Nursing, Pharmacy, Respiratory Therapy, etc.) add to the care of the patient and to behave professionally at all times.
  - The student will participate in all conferences attended by pediatric residents

FACULTY: *Amy Ferguson, M.D. and Staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Cathy Chavez*  
REPORT TO: *Wendi Kruger, Des Moines Area Medical Ed Consortium  
Office, 8:00 am, 515-241-4455*

SPECIAL CONDITIONS: *Room provided. Food stipend provided.  
Time off during this rotation is discouraged.*

EVALUATIONS: *Each student will develop 4 goals for their rotation and  
will use these for the basis of their midrotation  
feedback.  
Students are expected to upload a picture of the  
completed and signed midrotation form to ICON to  
receive full credit.  
All students will write and upload to ICON a 1-page  
reflection of their experience at the end of the rotation.  
Students are responsible for initiating on-line  
evaluations and for completing the CCOM Clerkship  
Evaluation.*

**OBJECTIVES:**     **The student will:** 1) increase his/her ability to care for the critically ill newborn; 2) learn the application of physiological principles in critical care; 3) increase his/her skill in the use of assisted ventilation.

**This will be achieved through:** 1) assuming responsibility for the care of a number of infants; 2) reviewing references and current literature pertaining to the neonate; 3) participating in conferences, teaching activities and clinical rounds; 4) taking night call in the NICU.

**Students will be expected to attend the Professionalism Seminar held the afternoon of the last Wednesday of the rotation. Attendance is Mandatory.**

**Students will be assigned one week of nights. The schedule can be found on ICON.**

FACULTY:     *Glenda Rabe MD and Staff*  
MAX ENROLLMENT:     *1*  
OFFERED:     *All periods*  
LENGTH OF ELECTIVE:     *4 weeks*  
ADMINISTRATIVE CONTACT:     *Cathy Chavez*  
REPORT TO:     *See ICON*  
SPECIAL CONDITIONS:     *Time off during this rotation is discouraged.*  
EVALUATIONS:     *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback.*  
*Students are expected to upload the completed and signed midrotation form to ICON to receive full credit. All students will write a 1-page reflection of their experience at the end of the rotation and upload it to ICON.*  
*Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.*



This rotation is designed to develop the student's knowledge and clinical skills in the recognition of critical illness in children, as well as the basic strategies of initial resuscitation and management.

- OBJECTIVES:**
1. To be able to recognize critical illness (shock, respiratory failure) in need of immediate resuscitation.
  2. To be able to initiate basic resuscitative measures (fluid bolus, supplemental oxygen or bag-valve mask ventilation)..
  3. To be able to obtain a complete history and physical exam and to present this to the attending in an organized and succinct fashion.
  4. To learn how to choose and utilize various forms of non-invasive and invasive monitoring.
  5. To understand and appropriately utilize common diagnostic tools and labs (Echo, ECG, EEG, etc).
  6. To learn how to approach common critical care problems such as shock, respiratory distress/failure, seizures, DKA, traumatic injuries (especially head trauma), etc. This includes advancing the student's knowledge of common interventions such as inotropes/vasopressors, invasive and non-invasive ventilatory support, and management of fluid, electrolyte, and acid-base disturbances.
  7. To observe common procedures such as intubations and central line insertions.
  8. To appropriately utilize resources such as sub-specialty consultation and to observe a multidisciplinary approach to complex patient problems.
  9. To gain exposure to the various ethical considerations, including end-of-life care, common to the practice of critical care medicine.

- Expectations:**
1. The student is expected to be present in the PICU during normal daytime working hours, or for the entirety of their night shifts, depending on their current assignment.
  2. The student is expected to gather data for 1-2 patients per day and to present the data on rounds in an organized, system-based fashion.
  3. The student is expected to demonstrate critical thinking about the patient's illness by utilizing the objective data and physical exam to formulate a plan of care.
  4. The student is expected to follow up on any interventions, lab, radiology, or pathology results to ensure that the patient's plan of care is being executed appropriately.
  5. The student is expected to recognize the value and expertise that various healthcare professionals (Nursing, NP, respiratory therapy, etc) add to the care of the patient, and to behave professionally at all times.
  6. **Students will be expected to attend the Professionalism Seminar held the last Wednesday of the rotation. Attendance is Mandatory.**

The student is expected to participate in all conferences attended by the pediatric residents.

Students will be assigned one week of nights. The schedule can be found on ICON.

FACULTY: *Cody Tigges DO and staff*  
MAX ENROLLMENT: *2*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Cathy Chavez*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Time off during this rotation is discouraged. .*  
EVALUATIONS: *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback.*  
*Students are expected to upload the completed and signed midrotation form to ICON to receive full credit.*  
*All students will write a 1-page reflection of their experience at the end of the rotation and upload it to ICON.*  
*Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.*

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**PEDS:8405 PEDIATRIC EMERGENCY ROOM,  
BLANK CHILDREN'S HOSPITAL, DES MOINES**

**OBJECTIVES:**     **The student will** 1) Increase his/her basic knowledge of pediatric emergencies and urgent care; and 2) Increase his/her proficiency in pediatric emergency medicine procedures.

**GENERAL GUIDELINES:**     Students will care for patients from birth to age 18 years and will be exposed to a wide variety of pediatric urgencies and emergencies. Students will also learn procedures commonly performed in this setting. Students will be assigned 10-12 hour shifts and average 50-60 hours per week.

**EXPECTATIONS:**

- a. See 1-2 patients per hour. See patients promptly.
- b. Staff patients before ordering labs/x rays/IVs etc.
- c. Develop history taking and physical exam skills
- d. Develop approach to differential diagnosis
- e. Manage acutely ill children under the direct supervision of emergency department physicians
- f. Begin to learn procedures
- g. Recognize sick vs not sick
- h. Carefully sign out patients to attending or another student or resident prior to leaving the ED

FACULTY:     *Amy Ferguson, M.D. and Staff*

MAX ENROLLMENT:     *1*

OFFERED:     *All periods*

LENGTH OF ELECTIVE:     *4 weeks*

ADMINISTRATIVE CONTACT:     *Cathy Chavez*

REPORT TO:     *Wendi Kruger, Des Moines Area Medical Ed Consortium Office, 8:00 am, 515-241-4455*

SPECIAL CONDITIONS:     *Room provided. Food stipend provided.*

EVALUATIONS:     *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback. Students are expected to upload a picture of the completed and signed midrotation form to ICON to receive full credit. All students will write and upload to ICON a 1-page reflection of their experience at the end of the rotation. Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.*

- OBJECTIVES:**     **The student will** within the limits of time available:
1. Learn to obtain a historical data base to make the diagnosis of and characterize the following problems:
    - a) Asthma
    - b) Cystic fibrosis
    - c) Bronchiectasis
    - d) Bronchopulmonary dysplasia
    - e) Interstitial lung disease
    - f) Anatomical disorders of the respiratory tract
    - g) Rhinitis
    - h) Atopic dermatitis
    - i) Urticaria
    - j) Angioedema
    - k) Anaphylaxis
    - l) Stinging insect reactions
  2. Learn to perform and interpret pulmonary function testing in children and to combine this information with history, physical, chest x-ray, and blood gases in defining physiological abnormalities of the lower airway.
  3. Be able to appropriately choose, perform and interpret skin tests for inhalant allergens, and demonstrate an understanding of the indications and limitations of these tests.
  4. Learn appropriate environmental, immunological, and pharmacologic management of the diseases listed under #1.
  5. Review the basic science areas of immunology, physiology, and pharmacology related to the diagnosis and treatment of the diseases listed under #1.
- These goals will be achieved through** exposure to ambulatory patients in the clinics and the performance of consultations on in-patient and out-patients. Students will assist in performing and interpreting pulmonary function testing on their own and other patients. Educational reading material and library references will be available.

FACULTY: *D. Bayer, DO and Staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Cathy Chavez*  
REPORT TO: *See ICON*  
EVALUATIONS: *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback. Students are expected to upload the completed and signed midrotation form to ICON to receive full credit. All students will write a 1-page reflection of their experience at the end of the rotation and upload it to ICON. Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.*

**OBJECTIVES:** This elective would be suitable for students with an interest in pediatrics, family practice and cardiology. The student will learn the skills required to assess the cardiovascular status of a child in an outpatient situation.

The rotation focuses on enhancing physical exam skills and physiology knowledgebase 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. Students will have the opportunity to participate in all cardiology clinical activities including inpatient rounds, outpatient clinics, cardiac radiography, teaching conferences; including cardiac catheterization conferences, surgical conferences, journal club and seminars in pediatric cardiology are held weekly. The elective is well-structured, yet can be tailored to meet individual interests.

FACULTY: *Ben Reinking, MD and staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Cathy Chavez*  
REPORT TO: *See ICON*  
EVALUATIONS: *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback.*  
*Students are expected to upload the completed and signed midrotation form to ICON to receive full credit.*  
*All students will write a 1-page reflection of their experience at the end of the rotation and upload it to ICON.*  
*Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.*

**OBJECTIVES:**     **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. A greater depth of knowledge concerning normal and abnormal nutrition will also result.

**The objectives will be achieved through:** 1) Participation in clinical activities such as daily ward rounds, consultations on pediatric patients with GI problems, outpatient clinics, and diagnostic procedures such as endoscopies; 2) Attending teaching and patient management conferences.

FACULTY:     *Eyad Hanna MD and staff*  
MAX ENROLLMENT:     2  
OFFERED:     *All periods*  
LENGTH OF ELECTIVE:     *4 weeks*  
ADMINISTRATIVE CONTACT:     *Cathy Chavez*  
REPORT TO:     *See ICON*  
EVALUATIONS:     *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback. Students are expected to upload the completed and signed midrotation form to ICON to receive full credit. All students will write 1-page reflection of their experience at the end of the rotation and upload it to ICON. Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.*

**OBJECTIVES:** 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.

**The above goals will be achieved by** attending pediatric hematology/oncology outpatient clinics. Students will participate in the initial diagnostic evaluation of patients referred to the Pediatric Hematology-Oncology Service, interpret the microscopic examination of blood smears and bone marrow specimens, and complete a selective reading list.

FACULTY: *Mariko Sato, MD and staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Cathy Chavez*  
REPORT TO: *See ICON*  
EVALUATIONS: *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback. Students are expected to upload the completed and signed midrotation form to ICON to receive full credit. All students will write a 1-page reflection of their experience at the end of the rotation and upload it to ICON. Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.*



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**PEDS:8412 DEVELOPMENTAL AND BEHAVIORAL PEDIATRICS**

**OBJECTIVES:** 1. Understand the normal developmental sequence of childhood, and the impact of environmental influences. 2. Be aware of the antecedents of selected developmental disabilities including ADHD, autism, intellectual and physical disabilities. 3. Identify methods to detect cognitive and motor delays in infancy. 4. Identify methods to detect physical and cognitive delays in the preschool child. 5. Understand the long-term consequences of developmental disabilities. 6. Work with an interdisciplinary team and understand its advantages in addressing developmental disabilities.

FACULTY: *Dianne McBrien, MD and staff*

MAX ENROLLMENT: *1*

OFFERED: *All blocks*

LENGTH OF ELECTIVE: *2 or 4 weeks*

ADMINISTRATIVE CONTACT: *Cathy Chavez*

REPORT TO: *See ICON*

EVALUATIONS: *Each student will develop goals for their rotation (1 goal/week). Students completing a 4-week rotation will use their goals as the basis of their midrotation feedback of which the signed and completed form must be uploaded to ICON in order to receive full credit. ALL students will write a 1-page reflection of their experience at the end of the rotation and upload it to ICON. Students are required to initiate on-line evaluations and to complete the CCOM Clerkship Evaluation.*



**OBJECTIVES:**

Primary emphasis during this elective is to prepare the student to recognize and feel competent with genetic birth defect problems present in his/her future patients. A wide variety of genetics and birth defect problems will be seen. Clinical applications are stressed.

Students participate in clinical activities of the Division of Medical Genetics, Stead Family Department of Pediatrics. This may include General Genetics Clinics, Connective Tissue Disorder Clinics, Neurofibromatosis Clinics, Metabolic Clinics or Outreach Clinics. Clinics are held at the University of Iowa Children's Hospital, Iowa River Landing, North Liberty and at designated Outreach sites throughout the state.

Students also participate in weekly Genetics Journal Club, weekly Clinical and Molecular Genetics Case Review Conference and participate in weekly rounds for inpatients. Students assist in the evaluation and counseling of referred patients. Opportunities exist for students to be exposed to laboratory techniques of chromosome and/or DNA analysis through the Shivanand R. Patil Cytogenetics and Molecular Genetics Laboratory.

The student will present a 10 minute case review at the end of the rotation.

FACULTY: *J. Bernat, MD PhD and staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All Blocks*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Cathy Chavez*  
REPORT TO: *See ICON*  
EVALUATIONS: *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback.*  
*Students are expected to upload a picture of the completed and signed midrotation form to ICON to receive full credit.*  
*All students will write and upload to ICON a 1-page reflection of their experience at the end of the rotation.*  
*Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.*

**OBJECTIVES:**

- Function as an intern-equivalent on the Neonatal ICU teaching service at Blank Children's Hospital.
- Demonstrate competency in providing the initial steps of resuscitation, up to and including bag-mask ventilation in actual delivery room and simulated settings
- Obtain a pertinent history, review prenatal or referring hospital records, and perform a complete physical examination upon a patient's admission
- Formulate a differential diagnosis and plan appropriate diagnostic and therapeutic interventions under supervision of the attending physician
- Carry out, reassess and reformulate management plans as appropriate
- Develop a therapeutic alliance with the patient's family and keep the family informed of the patient's progress
- Know the major prenatal and perinatal risk factors, including how these may impact the condition of the newborn
- Know the physiology of transition from fetal life to newborn
- Communicate and work effectively with the multiple members of the NICU staff

**EXPECTATIONS:**

- The student is expected to gather data for 2-4 patients and to present the data in an organized, problem-based fashion. These patients may be seen in conjunction with the attending neonatologist alone or with the NNPs.
- Demonstrate critical thinking about the patient's illness by utilizing the objective data and physical exam to formulate a plan of care
- Expected to ensure that all orders have been placed in a timely fashion by the resident, NNP, or attending neonatologist
- Follow up on interventions (lab, radiology, or pathology results) to ensure that the patients plan of care is being executed appropriately.
- Will participate in all conferences attended by pediatric residents
- Will arrive by 7 am to receive updates on the overnight events and will stay until evening checkout at 4:30pm.

FACULTY: *Amy Ferguson, M.D. and Staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All Blocks*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Cathy Chavez*  
REPORT TO: *Wendi Kruger, Des Moines Area Medical Ed Consortium Office, 8:00 am, 515-241-4455*

SPECIAL CONDITIONS *Room provided. Food stipend provided.*  
EVALUATIONS:: *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback. Students are expected to upload a picture of the completed and signed midrotation form to ICON to receive full credit. All students will write and upload to ICON a 1-page reflection of their experience at the end of the rotation. Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.*

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**PEDS:8417 COMMUNITY PEDIATRIC OUTPATIENT ELECTIVE**

**OBJECTIVES:** This 2-week outpatient elective will provide medical students the opportunity to participate as active members of a community-based General Pediatric office, working directly with community-based faculty members and the non-physician team members. Students are expected to build on the clinical skills developed during the Core Pediatric Clerkship.

Course Goal: Develop increased competency in assessment and management of patients ranging from newborn infants to adolescents with common pediatric clinical problems.

Objectives: Experiences may vary depending on location

1. Perform evaluations of well children
2. Identify key components of the health supervision visit for each age group
3. Evaluate patients who have acute and chronic illnesses and begin management of the problems(s) identified
4. Develop the ability to distinguish an ill patient from a healthy patient
5. Learn and implement management options for common clinical problems

Students should contact Cathy Chavez prior to adding this course to review a list of available preceptors and locations.

FACULTY: *Check with Cathy Chavez for a list of available preceptors.*

MAX ENROLLMENT: *Arr*

OFFERED: *All Blocks*

LENGTH OF ELECTIVE: *2 weeks*

ADMINISTRATIVE CONTACT: *Cathy Chavez*

REPORT TO: *See ICON or departmental email*

EVALUATIONS: *Each student will develop 2 goals for the rotation and will write a 1-page reflection of their experience. The reflection must be uploaded to ICON at the end of the rotation in order to receive credit. Students are required to initiate an on-line evaluation to the preceptor.*

This rotation is designed to develop the student's knowledge and clinical skills in the recognition of critical illness in children, as well as the basic strategies of initial resuscitation and management. The rotation is focused for those interested in entering a residency in pediatrics, family medicine, or emergency medicine who want to learn more about the management of common severe/critical pediatric illnesses and emergencies.

- OBJECTIVES:**
1. To be able to recognize critical illness (shock, respiratory failure) in need of immediate resuscitation.
  2. To be able to initiate basic resuscitative measures (flued bolus, supplemental oxygen or bag-valve mask ventilation).
  3. To be able to obtain a complete history and physical exam and to present this to the attending in an organized and succinct fashion.
  4. To learn how to choose and utilize various forms of non-invasive and invasive monitoring.
  5. To understand and appropriately utilize common diagnostic tools and labs (Echo, ECG, EEG, etc).
  6. To learn how to approach common critical care problems such as shock, respiratory distress/failure, seizures, DKA, traumatic injuries (especially head trauma), etc. This includes advancing the student's knowledge of common interventions such as inotropes/vasopressors, invasive and non-invasive ventilatory support, and management of fluid, electrolyte, and acid-base disturbances.
  7. To observe common procedures such as intubations and central line insertions.
  8. To appropriately utilize resources such as sub-specialty consultation and to observe a multidisciplinary approach to complex patient problems.
  9. To gain exposure to the various ethical considerations, including end-of-life care, common to the practice of critical care medicine.

- Expectations:**
1. The student is expected to be present in the PICU during normal daytime working hours, or for the entirety of their night shifts, depending on their current assignment.
  2. The student is expected to gather data for 1-2 patients per day and to present the data on rounds in an organized, system-based fashion.
  3. The student is expected to demonstrate critical thinking about the patient's illness by utilizing the objective data and physical exam to formulate a plan of care.
  4. The student is expected to follow up on any interventions, lab, radiology, or pathology results to ensure that the patient's plan of care is being executed appropriately.
  5. The student will be expected to prepare a presentation on an interesting patient, illness, or EBM question related to a specific patient in the PICU. This presentation will be discussion oriented, and PowerPoint will not be available.
  6. The student is expected to recognize the value and expertise that various healthcare professionals (Nursing, Pharmacy, Respiratory Therapy, etc.) add to the care of the patient and to behave professionally at all times.
  7. The student will participate in all conferences attended by pediatric residents.

FACULTY: *Blank Pediatric Critical Care Staff - Amy Ferguson, MD*  
MAX ENROLLMENT: *1*  
OFFERED: *Arranged, Special Permission Required*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Liz Bolten (Program Coordinator)*  
*Email: [Elizabeth.bolten@unitypoint.org](mailto:Elizabeth.bolten@unitypoint.org)*  
*Office: (515) 241- 5008*  
REPORT TO: *Liz will send information about when and where to report*  
SPECIAL CONDITIONS: *Time off during this rotation is discouraged.*

EVALUATIONS: *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback. Students are expected to upload a picture of the completed and signed midrotation form to ICON to receive full credit.*  
*All students will write and upload to ICON a 1-page reflection of their experience at the end of the rotation. Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation. .*

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**PEDS:8420 PEDIATRIC PALLIATIVE CARE ROTATION**

Palliative medicine is a specialty which enhances quality of life and reduces suffering for patients with serious illnesses, and provides education and support for their families. An interdisciplinary consult team works with a patient's primary medical providers for either inpatient or outpatient management of symptoms, goal setting, and decision-making. This rotation will introduce students to pediatric palliative care with an option to be involved in adult palliative care and local Hospice services.

**OBJECTIVES: Patient Care**

1. Recognize situations in which a palliative care consultation is appropriate.
2. Review quality-of-life issues patients and families experience during a serious illness, and describe how the different members of the palliative care team can assist patients and support their families.
3. Describe common medications used to treat pain and other distressing symptoms.

**Medical Knowledge**

4. Summarize the possible disease trajectories for children with diagnoses that commonly benefit from palliative care and hospice.
5. Discuss how developmental stages of childhood and adolescence affect an individual's understanding of death. Recognize manifestations of grief in children.

**Practice-based Learning and Improvement**

6. Reflect on personal experiences with death and dying and discuss the emotional impact of illness and dying on healthcare workers.

**Interpersonal and Communication Skills**

7. Describe strategies to effectively discuss diagnosis and prognosis, goals of care, end of life events, and code status.
8. Employ compassionate communication with patients and families and facilitate effective communication with the healthcare team.

**Professionalism**

9. Recognize roles and rights of parents/guardians and patients in the medical decision-making process.

**System-based Practice**

10. Integrate knowledge of the health care system in developing a plan of care, including understanding of care coordination and the medical home.

**Key Responsibilities of the Student**

1. Read and complete the pre/post tests on the UNIPAC Pediatric Palliative Care. Other books, movies, articles are available from the library in the Medical Director's office.
2. Attend pediatric palliative care inpatient and outpatient visits and complete documentation as requested.
3. Meet with Pediatric Palliative Care core team members to discuss their role on the team and possibly work with a patient together. Team members include Advance Practice Nurses, Chaplain, Music Therapy, Child Life, Social Work, Grief Services Coordinator/Palliative RN.
4. Attend palliative care conferences as noted on schedule.
5. Keep a journal including the following: personal goals for the rotation and how these were met; patients seen, problems addressed by palliative care, and patient outcomes; articles or books read, movies or websites viewed and a brief response.
6. Do a 10 – 30 minute presentation on a pediatric palliative care topic of your choice at a conference or to a group arranged by the faculty.

FACULTY: *Dr. Benson and pediatric palliative care team.*

MAX ENROLLMENT: *1*

OFFERED: *All blocks (must be approved by Dr. Benson)*

LENGTH OF ELECTIVE: *4 weeks*

ADMINISTRATIVE CONTACT: *Cathy Chavez*

REPORT TO: *See ICON*

EVALUATIONS: *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback. Students are expected to upload the completed and signed midrotation form to ICON to receive full credit. All students will write a 1-page reflection of their experience at the end of the rotation and upload it to ICON. Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.*

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**PEDS:8421 PEDIATRIC ENDOCRINOLOGY**

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**OBJECTIVES:** 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.

These objectives will be achieved primarily through participating in outpatient endocrine clinics but will also include consultation on inpatients with pediatric endocrine problems when appropriate. Students will also attend weekly division case conference, journal club, and combined endocrine grand rounds.

FACULTY: *Vanessa Curtis, MD and staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All Blocks*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Cathy Chavez*  
REPORT TO: *See ICON*  
EVALUATIONS: *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback. Students are expected to upload the completed and signed midrotation form to ICON to receive full credit. All students will write a 1-page reflection of their experience at the end of the rotation and upload it to ICON. Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.*

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**PEDS:8431 PEDIATRIC NEPHROLOGY**

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**GOALS**

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

FACULTY: *Jennifer Jetton, MD and staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Cathy Chavez*  
REPORT TO: *See ICON*  
EVALUATIONS: *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback. Students are expected to upload the completed and signed midrotation form to ICON to receive full credit. All students will write a 1-page reflection of their experience at the end of the rotation and upload it to ICON. Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.*





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**PEDS:8450 CONTINUITY OF CARE OUTPATIENT GENERAL PEDIATRICS**

**DESCRIPTION:** Continuity of Care in Outpatient General Pediatrics offers M4 students the opportunity to work with an experienced general pediatrician in a longitudinal clinical experience for the academic year. Each student will be paired with a faculty pediatrician to see patients in a weekly clinic and provide clinical care to a defined patient population. The experience will emphasize growth and development, health supervision, and management of common acute and chronic clinical problems.

**GOALS:** The elective is designed for students who wish to expand the pediatric-specific skills and knowledge developed during PEDS:8301 Clinical Pediatrics. Students will gain experience with the care of pediatric patients in the outpatient setting, using a student-developed individual learning plan as a guide. The elective will prepare students for future clinical interactions with patients from birth through adolescence. The experience should foster a mentoring relationship between faculty and student.

**OBJECTIVES:** Each student will:

1. Develop the basic skills needed to provide health supervision, including the interventions and counseling needed for promotion of health and prevention of illness and injury.
2. Gain greater familiarity with development from birth through adolescence.
3. Identify/diagnose common acute illnesses and develop appropriate management plans.
4. Provide longitudinal care for patients with chronic illness, behavioral problems, and special health care needs.
5. Communicate with patients and their families, colleagues, and the clinical team.
6. Discuss personal goals and plans with the faculty mentor.

**COURSE DIRECTORS:** *Vanessa Curtis, M.D., MME*

**MAX ENROLLMENT:** *Arranged, limited by the number of faculty available*

**LENGTH OF ELECTIVE:** *Final 2 Advanced semesters*

**ADMINISTRATIVE CONTACT:** *Cathy Chavez*

**REPORT TO:** *See ICON or departmental email*

**SPECIAL CONDITIONS:** ***Students must receive permission from Dr. Curtis to enroll in this elective. Requests must be sent to Cathy Chavez.***

**OSAC GUIDELINES FOR ALL COC CLERKSHIPS:** *1. The COC is taken concurrently with other required and elective courses during the Advanced year.*

*2. Students are not allowed to register for more than one COC.*

*3. Students are allowed to register for a COC and be a group facilitator for CAPS, MAS, or MOHD, but they cannot ask off for both their COC and group facilitation in the same week. All other COC requirements must be met or continued facilitation will not be possible.*

*4. Students must attend 80% of 42 schedulable weeks = 34 COC clinic sessions*

*5. Students must have limited "off campus" weeks including away and global electives to meet the COC requirement.*

*6. Students must submit a time-off request for each COC session.*

*7. Students must limit their time off request from 2 week selectives to one half day per clerkship (i.e., only one COC session during a selective).*

*8. Make-up sessions may be arranged at the discretion of the clerkship director to satisfy the attendance requirement.*

*9. Students cannot drop their COC after January 1*

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**PEDS:8495 PEDIATRIC CRITICAL CARE OFF-CAMPUS**

**OBJECTIVES:** Critical Care rotation individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Cathy Chavez*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*  
EVALUATIONS: *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback.*  
*Students are expected to upload a completed and signed midrotation form to ICON to receive full credit.*  
*All students will write a 1-page reflection of their experience at the end of the rotation and upload it to ICON.*  
*Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.*

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**PEDS:8497 RESEARCH IN PEDIATRICS**

**OBJECTIVES:** The purpose of this elective is to provide introductory experience in department research for those individuals considering greater in-depth training at a later time.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*  
*Students are expected to upload the completed and signed midrotation form to ICON to receive full credit.*  
*All students will write a 1-page reflection of their experience at the end of the rotation and upload it to ICON.*  
*Students are responsible for initiating an on-line research evaluation to the preceptor.*

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**PEDS:8498 PEDIATRICS ON-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Cathy Chavez*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*  
EVALUATIONS: *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback. Students are expected to upload the completed and signed midrotation form to ICON to receive full credit. All students will write a 1-page reflection of their experience at the end of the rotation and upload it to ICON. Students are responsible for initiating an on-line clinical evaluation to their preceptor and for completing the CCOM Clerkship Evaluation.*

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**PEDS:8499 PEDIATRICS OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by student with the approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Cathy Chavez*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*  
EVALUATIONS: *Each student will develop 4 goals for their rotation and will use these for the basis of their midrotation feedback. Students are expected to upload the completed and signed midrotation form to ICON to receive full credit. All students will write a 1-page reflection of their experience at the end of the rotation and upload it to ICON. Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.*

## DEPARTMENT OF PSYCHIATRY

COURSE DIRECTOR: Dr. Anthony Miller

CONTACT PERSON: Teresa Young  
8915 JPP  
353-6963

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### PSYC:8401 ADULT INPATIENT PSYCHIATRY

**OBJECTIVES:** 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.

FACULTY: *Dr. Anthony Miller*  
MAX ENROLLMENT: 2  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Teresa Young*  
REPORT TO: *See ICON or departmental email*

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### PSYC:8402 CHILD PSYCHIATRY

**OBJECTIVES:** 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.

FACULTY: *Dr. Carissa Gunderson*  
MAX ENROLLMENT: 1  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Teresa Young*  
REPORT TO: *See ICON or departmental email*

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**PSYC:8403 ADULT OUTPATIENT PSYCHIATRY**

**OBJECTIVES:** 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.

FACULTY: *Dr. Anthony Miller*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Teresa Young*  
REPORT TO: *See ICON or departmental email*

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**PSYC:8404 WOMEN'S WELLNESS & COUNSELING SERVICE**

**OBJECTIVES:** 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.

FACULTY: *Dr. Hristina Koleva*  
MAX ENROLLMENT: *1*  
OFFERED: *Closed June/July/Aug*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Teresa Young*  
REPORT TO: *See ICON or departmental email*

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**PSYC:8405 SUB-INTERNSHIP MEDICAL PSYCHIATRY**

**OBJECTIVE:** 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 subintern level selecting appropriate consultations, diagnostic tests, and treatments. 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. The student is required to prepare and present an article at the Medicine-Psychiatry noon conference. 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.

FACULTY: *Dr. Vicki Kijewski*  
MAX ENROLLMENT: *2*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Teresa Young*  
REPORT TO: *See ICON or departmental email*

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**PSYC:8408 SUB-INTERNSHIP MOOD/PSYCHOTIC DISORDERS**

**OBJECTIVE:** 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-morbidity. 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. Call is required. The didactic curriculum focuses on critical appraisal of the medical literature.

FACULTY: *Drs. Jess Fiedorowicz and Aubrey Chan*  
MAX ENROLLMENT: *2*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Teresa Young*  
REPORT TO: *See ICON or departmental email*

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**PSYC:8409 EATING DISORDERS**

**OBJECTIVES** The elective in eating disorders will provide an experience for the student that maximizes autonomy and responsibility. The inpatient or partial hospital rotation will emphasize the co-occurring psychiatric and co-morbid medical conditions associated with the eating disorders. Students will be expected to assess and manage their patients at an advanced level. Students will provide direct patient care and engage in clinical decision making for complex patients with substantial co-morbidity. The didactic curriculum focuses on critical appraisal of the relevant medical literature. Students will be introduced to cognitive behavioral psychotherapy techniques.  
A presentation of scholarly work (oral presentation or paper) is required.  
Call is not required.

FACULTY: *Dr. Emily Morse*  
MAX ENROLLMENT: *1*  
OFFERED: *All Periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Teresa Young*  
REPORT TO: *See ICON or departmental email*

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**PSYC:8410 INTELLECTUAL DISABILITIES**

**OBJECTIVES:** This 2 week elective in Intellectual Disabilities (ID) will provide an in depth clinical experience in the interdisciplinary approach to assessment and management of individuals with an Intellectual Disability. Students will work with faculty from psychiatry, developmental and behavioral pediatrics, and clinical psychology. Clinical experience will primary involve outpatient settings. During this elective students will participate in the psychiatric evaluation of adults with both a mental illness and an ID , medical evaluation of children and/or adults with ID and biobehavioral evaluation of children and/or adults with ID. Student may also tour local agencies that provide services to individuals with Intellectual Disabilities.  
A presentation of scholarly work (oral presentation or paper) is required.  
Call is not required.

FACULTY: *Dr. Emily Morse*  
MAX ENROLLMENT: *1*  
OFFERED: *All Periods*  
LENGTH OF ELECTIVE: *2 weeks*  
ADMINISTRATIVE CONTACT: *Teresa Young*  
REPORT TO: *See ICON or departmental email*

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**PSYC:8411 SUBSTANCE ABUSE**

**OBJECTIVES:** This elective offers students an in depth clinical experience in the assessment and management of individuals with alcohol and drug abuse. Supervising faculty have expertise in this sub-specialty of psychiatry. Clinical experience will be primarily in an outpatient setting. The elective will focus on the assessment and management of substance use disorders. A presentation of scholarly work (presentation or paper) is expected. Call is not required.

FACULTY: *Dr. Anthony Miller*  
MAX ENROLLMENT: *1*  
OFFERED: *All Periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Teresa Young*  
REPORT TO: *See ICON or departmental email*

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**PSYC:8412 EMERGENCY PSYCHIATRY**

**OBJECTIVES:** The elective in emergency psychiatry will provide an in depth clinical experience in the assessment and management of acute psychiatric illness. Supervising faculty will have expertise in care within this setting and clinical experiences will be centered in the UIHC Crisis Stabilization Unit and the Iowa City VA Psychiatry Consult/Liaison Team.

FACULTY: *Dr. Emily Morse*  
MAX ENROLLMENT: *1*  
OFFERED: *tbd*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Teresa Young*  
REPORT TO: *See ICON or departmental email*

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**PSYC:8413 THE THRIVING PHYSICIAN**

**OBJECTIVES:** The Thriving Physician is a 2-week elective for medical students in their clinical years. This course is designed to promote awareness, wellbeing, compassion and career satisfaction through contemplative practices and the integration of concepts of Positive Psychology into daily living. Through readings, discussions and experiential activities, physicians-in-training will learn how to engage in reflective personal and professional self-care. Classes will be half-day in length with time outside of class dedicated to practicing and incorporating skills into everyday activities.

FACULTY: *Elaine Himadi, M.D. and Eran Hanke, Ph.D.*  
MAX ENROLLMENT: *max 15, min 3*  
OFFERED: *SP20 - 3/9/20*  
*SP21 - 3/8/21*  
LENGTH OF ELECTIVE: *2 weeks*  
ADMINISTRATIVE CONTACT: *Teresa Young*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Grading is PASS/FAIL only.*



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**PSYC:8414 CONSULTATION PSYCHIATRY**

**OBJECTIVES:** This advanced elective offers the opportunity for an in depth clinical experience in the psychiatric assessment and management of general medical and surgical patients. Elective clerks will serve on the consultation-liaison psychiatry teams at the University of Iowa Hospitals and Clinics and The Iowa City Veterans Affairs Health System. There may be opportunities for outpatient work in relevant settings (e.g., emergency psychiatry, outpatient clinics providing integrates psychiatric and medical care). A presentation of scholarly work (oral presentation or paper) is required. Call is not required.

FACULTY: *Dr. Anthony Miller*  
MAX ENROLLMENT: *2*  
OFFERED: *All Periods*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Teresa Young*  
REPORT TO: *See ICON or departmental email*

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**PSYC:8450 CONTINUITY OF CARE CLINICAL PSYCHIATRY**

**OBJECTIVES** The psychiatry continuity of care (COC) clinic will provide an educational experience for the student that maximizes autonomy and responsibility in an outpatient continuous care setting. Students will have the opportunity to evaluate patients independently and present directly to attending staff. The clinical experience will reflect that of a COC clinic in accordance with the relevant College of Medicine policies. The rotation is 100% outpatient. Sites include Assertive Community Treatment, Adult Psychiatry, Child Psychiatry, and the Veterans Affairs Adult Psychiatry Clinic.

FACULTY: Dr. Anthony Miller

MAX ENROLLMENT: 2-3 students per year (depending on available faculty)

OFFERED: The COC is taken concurrently with other required and elective courses during the M4 year.

LENGTH OF ELECTIVE: Final 2 Advanced Semesters

ADMINISTRATIVE CONTACT: *Teresa Young*

REPORT TO: *See ICON or departmental email*

SPECIAL CONDITIONS: Students must contact Dr. Gunderson prior to initiation of the elective to arrange the site of practice.

OSAC GUIDELINES FOR ALL COC CLERKSHIPS: *1. The COC is taken concurrently with other required and elective courses during the Advanced year.*

*2. Students are not allowed to register for more than one COC.*

*3. Students are allowed to register for a COC and be a group facilitator for CAPS, MAS, or MOHD, but they cannot ask off for both their COC and group facilitation in the same week. All other COC requirements must be met or continued facilitation will not be possible.*

*4. Students must attend 80% of 42 schedulable weeks = 34 COC clinic sessions*

*5. Students must have limited "off campus" weeks including away and global electives to meet the COC requirement.*

*6. Students must submit a time-off request for each COC session.*

*7. Students must limit their time off request from 2 week selectives to one half day per clerkship (i.e., only one COC session during a selective).*

*8. Make-up sessions may be arranged at the discretion of the clerkship director to satisfy the attendance requirement.*

*9. Students cannot drop their COC after January 1*

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**PSYC:8497 RESEARCH IN PSYCHIATRY**

**OBJECTIVES:** Senior Medical Student may obtain experience and training in the practical application of scientific methodology by affiliating themselves with an on-going research project in the Department of Psychiatry or at affiliated and cooperating Research Centers. The available research projects will vary from time to time so the interested student should be sure to consult with instructor. Students are expected to have a designed course of study with faculty approval prior to the initiation of the elective. Participation in senior elective clinical readings, resident didactic seminars, and resident clinical conferences are expected of the clerk during this elective.

Students with previous research experience may work on original research if their proposals are found acceptable by an appropriate staff member who will supervise the project.

FACULTY: *Dr. Anthony Miller*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Teresa Young*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**PSYC:8498 PSYCHIATRY ON-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department. Please contact Dr. Anthony Miller to discuss the wide-array of potential opportunities for this individually tailored elective. Students must have identified specific goals of this clinical elective prior to registration.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Teresa Young*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**PSYC:8499 PSYCHIATRY OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Teresa Young*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

## DEPARTMENT OF RADIOLOGY

COURSE DIRECTOR: Dr. Maheen Rajput  
Dr. Shawn Sato

CONTACT PERSON: Lucy Fasano  
3970 JPP  
384-9850

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### RAD 8401 ADVANCED CLINICAL RADIOLOGY

**OBJECTIVES:** 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 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.

FACULTY: *Drs. Maheen Rajput and Shawn Sato*  
MAX ENROLLMENT: *6*  
OFFERED: *All periods, except 11/23/20 block*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Lucy Fasano*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Must be dropped 4 weeks prior to the beginning of the section.*

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### RAD 8402 VASCULAR AND INTERVENTIONAL RADIOLOGY

**OBJECTIVES:** 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 in 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 conference, and familiarize yourself with research opportunities.

FACULTY: *Sandeep Laroia, M.D.*  
MAX ENROLLMENT: *2*  
OFFERED: *All periods pending approval of Dr. Laroia*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Lucy Fasano*  
REPORT TO: *See ICON or departmental email*

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**RAD:8497 RESEARCH IN RADIOLOGY**

**OBJECTIVES:** The purpose of this elective is to provide introductory experience in department research for those individuals considering greater in-depth training at a later time.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Lucy Fasano*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**RAD 8498 RADIOLOGY ON-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Lucy Fasano*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**RAD 8499 RADIOLOGY OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Lucy Fasano*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

## DEPARTMENT OF RADIATION ONCOLOGY

COURSE DIRECTOR: Dr. John Buatti

CONTACT PERSON: Shawn Reynolds  
01626 PFPW  
356-2699

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### RADO:8401 RADIATION ONCOLOGY

**OBJECTIVES:** Students are involved directly with the patient care and management under the immediate supervision of the faculty. They rotate through all five clinical services:  
1. Head and Neck Carcinoma, 2. Thoracic, 3. GI/GU/Metastases,  
4. Lymphoma/CNS/Pediatric, 5. 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.

FACULTY: *John Buatti, M.D.*  
MAX ENROLLMENT: *3*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Shawn Reynolds*  
REPORT TO: *See ICON or departmental email*

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### RADO:8497 RESEARCH IN RADIATION ONCOLOGY

**OBJECTIVES:** The purpose of this elective is to provide introductory experience in department research for those individuals considering greater in-depth training at a later time.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**RADO:8498 RADIATION ONCOLOGY ON-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Shawn Reynolds*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**RADO:8499 RADIATION ONCOLOGY OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Shawn Reynolds*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

## DEPARTMENT OF SURGERY

COURSE DIRECTOR: Dr. Luis Garcia

CONTACT PERSON: Noel VanDenBosch  
1527 JCP  
356-4499

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### SURG:8401 ADVANCED GENERAL SURGERY

**OBJECTIVES** 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.

**ACTIVITIES** 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.

FACULTY: *Department of Surgery Faculty*  
MAX ENROLLMENT: *5*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Noel VanDenBosch*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *No more than one senior student can be on a general surgery team with junior students on their required clerkship, whether those students are doing electives or sub-internships. Coordinator will request team preferences prior to rotation start date.*



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**SURG:8402 SUB-INTERNSHIP IN SURGERY**

**OBJECTIVES:** **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.

FACULTY: *General Surgery Staff*  
MAX ENROLLMENT: *5*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Noel VanDenBosch*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Only one student per team. Coordinator will request team preferences prior to rotation start date.*

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**SURG:8406 GENERAL SURGERY, IOWA METHODIST, DES MOINES**

**OBJECTIVES:** Operating under the direction of a resident in surgery, the senior student will admit, work-up, evaluate and be involved in the operative and post-op care of patients admitted to his/her assigned surgical service. Each senior student will be assigned a General Surgery Service consisting of three to four general surgeons and one or two residents during his/her rotation. 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.

**The Senior Student will** learn how to care for general surgery patients in a private hospital setting, with a constant flow of excellent surgical material for study. All of this will be gained under the guidance of experienced surgeons working closely with dynamic residents.

**The Senior Student will** take an active part in all of the scheduled surgery conferences. The sub-intern will take call with the resident with whom he/she is working.

FACULTY: *Dr. Rick Sidwell and Staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Noel VanDenBosch, UIHC*  
*Paula Rasmussen, Des Moines*  
REPORT TO: *Des Moines Area Medical Education Consortium*  
*Office; 515/241-4455*  
SPECIAL CONDITIONS: *Room provided; subsidized meal allowance.*

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**SURG:8407 SURGICAL TRAUMA CRITICAL CARE SERVICE  
IOWA METHODIST MEDICAL CENTER, DES MOINES**

**OBJECTIVES:** The senior student will function as a sub-intern on a trauma service team that consists of surgical resident(s) and attending staff. Trauma service at IMMC involves the evaluation and management of critically ill patients in the ER, operating room and intensive care unit.

**GENERAL GUIDELINES:** There will be opportunities to intubate patients and to place arterial and central venous lines. Students will also learn principles of ventilator management and hemodynamic monitoring. Students will take call one weeknight per week and one weekend during the rotation. Students will attend all educational conferences of the surgery residency program, including the weekly trauma video conference.

FACULTY: *Dr. Rick Sidwell and Staff*  
MAX ENROLLMENT: *1*  
OFFERED: *Fall Only, Closed Spring*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Noel VanDenBosch, UIHC*  
*Paula Rasmussen, Des Moines*  
REPORT TO: *Des Moines Area Medical Education Consortium*  
*Office, 515/241-4455*  
SPECIAL CONDITIONS: *Room provided; subsidized meal allowance.*

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**SURG:8409 GENERAL SURGERY, GENESIS MEDICAL CENTER, DAVENPORT**

**OBJECTIVES:** The student will increase his/her ability to provide pre-and postoperative care of general surgical patients. The student will learn how to conduct appropriate preoperative evaluation of general surgical patients and understand the accepted indications for common elective surgical procedures. The student will gain broad exposure to general surgical procedures and intraoperative techniques and develop surgical skills appropriate to the student's ability and experience.

The student will participate in the care and management of patients under the close supervision of attending surgeons. The student will pre-round on inpatients, write daily progress notes, and present the patients to the attending surgeon on rounds. In clinic, the student will evaluate and present new patients to the attending surgeon, as well as perform admission history and physicals. The student will also be given the opportunity to initially evaluate emergency room and inpatient consultations, and formulate a differential diagnosis. Together with the on-call surgeon, diagnostic tests and a definitive treatment plan will be formulated. Finally, the student will first assist in surgery and perform minor procedures.

Formal and informal teaching sessions will take place throughout the rotation. Radiographs will be reviewed with the radiologist, surgical specimens will be reviewed with the pathologist, and there are multidisciplinary conferences on subjects such as breast diseases, cancer, GI diseases and trauma. There will be a teaching emphasis on the evaluation, differential diagnosis and treatment of the acute abdomen as cases arise on consultative service. The student will be expected to read about gastrointestinal diseases, hernias, vascular access and breast disease in an acceptable surgical text and become familiar with the pathophysiology and surgical approaches for each.

FACULTY: *Dr. Joseph Lohmuller and Staff*  
MAX ENROLLMENT: *1*  
OFFERED: *All periods*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Noel VanDenBosch*  
REPORT TO: *Call Trish Halligan 563/421-4455 prior to beginning of clerkship. Must give 30 days notice for proper onboarding and accommodations.*  
SPECIAL CONDITIONS: *Room provided, meals.*

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**SURG:8411 MULTIDISCIPLINARY BREAST ELECTIVE**

**OBJECTIVES:** This clerkship is designed to give students exposure to evaluation and management of benign and malignant breast diseases beyond what is offered during the standard general surgery rotations, with a focus on the multidisciplinary nature of treatment of breast disease. It is anticipated to provide benefit to students planning to pursue residency in general surgery, obstetrics and gynecology, family practice or any other field with a focus on women's health.

The student can expect to:

- 1) Participate in the workup and management of common benign breast conditions, such as fibrocystic disease, functional breast pain, and fibroadenoma in the breast clinic.
- 2) Learn the various imaging modalities used for diagnosis of breast disease, including when to use each appropriately. The student will also observe a variety of commonly used imaging guided diagnostic procedures.
- 3) Participate in the diagnosis, evaluation and multidisciplinary management of breast cancer. This will involve exposure to
  - a) Surgical oncology clinic and Breast cancer surgery
  - b) Medical oncology clinic to observe counselling for and administration of chemotherapy and endocrine therapy
  - c) Radiation oncology clinic to observe counselling regarding radiation as well as delivery of radiation
  - d) Multidisciplinary breast tumor board, in which specialists from multiple fields discuss patients with new and ongoing breast cancer diagnosis
- 4) Observe counselling for genetic testing for inherited cancer syndromes, and learn the appropriate criteria for genetic testing.

**FACULTY:** *Course Supervisor: Ingrid Lizarraga MBBS  
Breast Surgery: Sonia Sugg, Carol Scott-Conner,  
Ronald Weigel, Geeta Lal, Ann Wolf ARNP  
Medical Oncology: Alexandra Thomas, Mark  
Karwal, Susan Roeder, Ali Naderi  
Breast Imaging: Jeong Mi Park, Limin Young,  
Laurie Fajardo  
Radiation Oncology: Dr Wenqing Sun  
Plastic Surgery: Thomas Lawrence, Jerrod Keith,  
Wei Chen*

**MAX ENROLLMENT:** *1*  
**OFFERED:** *All blocks*  
**LENGTH OF ELECTIVE:** *4 weeks*  
**ADMINISTRATIVE CONTACT:** *Noel VanDenBosch*  
**REPORT TO:** *See ICON or departmental email*

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**SURG:8497 RESEARCH IN SURGERY**

**OBJECTIVES:** The purpose of this elective is to provide introductory experience in department research for those individuals considering greater in-depth training at a later time.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Clinical Coordinator*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**SURG:8498 SURGERY ON-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Noel VanDenBosch*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**SURG:8499 SURGERY OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Noel VanDenBosch*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

## DEPARTMENT OF UROLOGY

COURSE DIRECTOR: Dr. Chad Tracy

CONTACT PERSON: Amy Candelario  
3251-B RCP  
356-2910

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### URO:8401 ADVANCED GENERAL UROLOGY

**OBJECTIVES:** 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.

FACULTY: *Dr. Tracy*  
MAX ENROLLMENT: *2*  
OFFERED: *All blocks*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Amy Candelario*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Students considering a Urology residency are encouraged to meet with Dr. Tracy.*

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### URO:8402 PEDIATRIC UROLOGY

**OBJECTIVES:** 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.

FACULTY: *Drs. Cooper, Storm, and Lockwood*  
MAX ENROLLMENT: *1*  
OFFERED: *All blocks, limited in May and September*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Amy Candelario*  
REPORT TO: *See ICON or departmental email*

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**URO:8403 UROLOGIC ONCOLOGY: MULTISPECIALTY APPROACH**

**OBJECTIVES:** 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 urology oncology 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 men's health issues and for students with an interest in urology.

FACULTY: *Drs. O'Donnell, Brown, Tracy, Nepple, Gellhaus, and Pearlman*  
MAX ENROLLMENT: *1*  
OFFERED: *All blocks, limited in November and December*  
LENGTH OF ELECTIVE: *2 or 4 weeks*  
ADMINISTRATIVE CONTACT: *Amy Candelario*  
REPORT TO: *See ICON or departmental email*

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**URO:8497 RESEARCH IN UROLOGY**

**OBJECTIVES:** Clinical research projects will be undertaken by the student, under direction by a faculty member. Residents may be part of the team. Upon completion of the project, it is expected the student will prepare an abstract for submission to a regional or national conference. If accepted to a conference, a paper is anticipated.

FACULTY: *Urology Faculty*  
MAX ENROLLMENT: *2*  
OFFERED: *All blocks*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Amy Candelario*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**URO:8498 UROLOGY ON-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

Credit for specially arranged courses is available ONLY if the course of study has been approved in advance.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks minimum*  
ADMINISTRATIVE CONTACT: *Amy Candelario*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*

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**URO:8499 UROLOGY OFF-CAMPUS**

**OBJECTIVES:** Individually arranged by student with approval of the department.

FACULTY: *Arranged*  
MAX ENROLLMENT: *Arranged*  
OFFERED: *Arranged*  
LENGTH OF ELECTIVE: *4 weeks*  
ADMINISTRATIVE CONTACT: *Amy Candelario*  
REPORT TO: *See ICON or departmental email*  
SPECIAL CONDITIONS: *Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.*



## **SUMMARY OF DES MOINES CAMPUS ADVANCED CLERKSHIPS**

### **Des Moines Advanced Pathway Pediatrics Rotations**

PEDS:8402 General Pediatrics Subinternship, Blank Children's Hospital

PEDS:8405 Pediatric Emergency Room, Blank Children's Hospital

PEDS:8416 Neonatal ICU, Blank Children's Hospital

PEDS:8418: Pediatric ICU, Blank Children's Hospital (6 blocks/year)

### **Des Moines Advanced Pathway Internal Medicine Rotations**

IM:8451 Internal Medicine Subinternship, Iowa Methodist Medical Center

IM:8453 Medical ICU, Iowa Methodist Medical Center

IM:8454 Internal Medicine Consult Service Advanced Elective, Iowa Methodist Medical Center

IM:8456 Clinical Cardiology Advanced Elective, Iowa Methodist Medical Center

IM:8457 Clinical Nephrology Advanced Elective, Iowa Methodist Medical Center

### **Des Moines Advanced Pathway Surgery Rotations**

SURG:8406 General Surgery Advanced Elective, Iowa Methodist Medical Center

SURG:8407 Surgical Trauma Critical Care Service, Iowa Methodist Medical Center

### **Des Moines Advanced Pathway Family Medicine Rotations**

FAM:8408 Family Medicine Advanced Elective, Broadlawns Medical Center

FAM:8409 Family Medicine Subinternship, Iowa Lutheran Hospital

FAM:8410 Family Medicine Ambulatory Clerkship, Iowa Lutheran Hospital

### **Des Moines Advanced Pathway Emergency Medicine Rotations**

EM:8406 Emergency Medicine, Broadlawns Medical Center

EM:8412 Emergency Medicine, UnityPoint