INTERDISCIPLINARY

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: Jason T. Lewis, 5-8051
MAX ENROLLMENT: 12
OFFERED: SP19 – 2/11/19, 3/11/19
SP20 – 2/10/20, 3/9/20
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Jason T. Lewis, 5-8051
REPORT TO: 1193 MERF, 8:30 am on first day
SPECIAL CONDITIONS: Grading is PASS/FAIL only.
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: 12 (minimum 4)
Offered: SP19 – 1/14, 2/11, 3/11
           SP20 – 1/13, 2/10, 3/9

Length of Elective: 4 weeks
Administrative Contact: Jeff Pettit, 1201 MEB, 335-9910

Report to: OCRME Conference Room 1202 MEB
at 1:30 pm on first day
MED:8404  ADVANCED TEACHING SKILLS FOR MEDICAL STUDENTS

OBJECTIVES: Provide medical students an opportunity to expand their knowledge and experience in medical education. Many students who have completed the teaching elective (050:300) have expressed a desire to learn more about medical education. This elective will give them an opportunity to investigate medical education in their specialty of interest through literature research and interaction with faculty. The primary focus of the elective will be to design and successfully complete a project as agreed upon by faculty. Projects examples might include use of simulation as a teaching approach, peer observation and feedback, designing a curriculum, current issues in medical education, or effective teaching in the operating room.

1. Students will concentrate on medical education in their specialty of interest.
2. Students will design and complete a project related to medical education.
3. Students will conduct an extensive literature search to support their projects.
4. Students will collaborate with other medical educators to expand their knowledge of medical education.
5. When applicable, students will present a topic related to medical education to students enrolled in 050:300 Teaching Skills for Medical Students.

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

MAX ENROLLMENT: 2
OFFERED: Not offered after SP19
LENGTH OF ELECTIVE: 2 weeks
ADMINISTRATIVE CONTACT: Jeff Pettit, 1201 MEB, 335-9910

REPORT TO: OCRME Conference Room 1202 MEB
PREREQUISITES: MED:8403 Teaching Skills for Medical Students
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: SP19 – 4/22/19
           SP20 – 4/20/20

LENGTH OF ELECTIVE: 2 weeks
ADMINISTRATIVE CONTACT: Jeff Pettit, 1201 MEB, 335-9910

REPORT TO: TBD
SPECIAL CONDITIONS: Grading is PASS/FAIL only.
MED:8410 QUALITY IMPROVEMENT AND PATIENT SAFETY (QI/PS)

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 though 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 theses experience with the other students in the course.

FACULTY: Eric Epping, MD, PhD
MAX ENROLLMENT: 10
OFFERED: SP19 – 4/22/19
SP20 – 4/20/20
LENGTH OF ELECTIVE: 2 weeks
ADMINISTRATIVE CONTACT: REPORT TO:
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: SP19 - 1/28/19 and 3/25/19
          SP20 TBD
LENGTH OF ELECTIVE: 2 weeks
ADMINISTRATIVE CONTACT:
REPORT TO:
SPECIAL CONDITIONS: Grading is PASS/FAIL only.
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 Jason T. Lewis 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: Carol MacVey, PhD  
Jason T. Lewis, MFA  
Marcy Rosenbaum, PhD

MAX ENROLLMENT: 16

OFFERED: SP19 – 4/8/19  
SP20 – 4/6/20

LENGTH OF ELECTIVE: 4 weeks

ADMINISTRATIVE CONTACT: Jason T. Lewis, 5-8051

REPORT TO:  

SPECIAL CONDITIONS: Grading is PASS/FAIL only.
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 12
OFFERED: SP19 – 2/11/19
SP20  2/10/20
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT:
REPORT TO:
SPECIAL CONDITIONS: Grading is PASS/FAIL only.

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.
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
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.

**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:** SP19 – 2/11 & 3/11  
                SP20 - 2/10 & 3/9  
**LENGTH OF ELECTIVE:** 4 weeks  
**ADMINISTRATIVE CONTACT:** Julie Stark  
**REPORT TO:** Appropriate instructor  
**SPECIAL CONDITIONS:** STUDENT MUST COMPLETE FORM ACB:8401 BEFORE ADDING IT TO THEIR SCHEDULE
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: Gross Anatomy lab, 7:30 am., or as arranged
PREREQUISITES: Enrolled in Teaching Distinction Track or approval from Course Director
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: All periods
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Lorri Barnes
REPORT TO: Arranged
PREREQUISITE: ANES:8301
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:  Anesthesia Meeting Room, 6505 JCP, 7:30 AM

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:  Arranged
PREREQUISITE:  None
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: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.

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

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: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
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:** Cate Unruh  
**REPORT TO:** Cardiothoracic Fellow, 7:00 am, 1st day.

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

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

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. Liu and Staff
MAX ENROLLMENT: Arranged
OFFERED: Arranged
LENGTH OF ELECTIVE: 4 weeks minimum
ADMINISTRATIVE CONTACT: Cheryl Moores/Patricia Swenka
REPORT TO: Research Advisor
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
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: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.

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: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
EM:8401  ADVANCED LIFE SUPPORT (REVISED TITLE FOR 2020)

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 10 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. The fees are as follows:

- ACLS self-directed learning module $120
- PALS self-directed learning module $120

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
OFFERED: 7/8/19 ONLY
7/6/20 ONLY

LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Kelby Kiefer
REPORT TO: 0073 RCP
PREREQUISITES: Strong interest in Emergency Medicine
SPECIAL CONDITIONS: Grading is PASS/FAIL only.

Student should not take both ALS and Transition to Residency
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 (typically held on Mondays). 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 multiple-choice final exam.

Faculty: Dr. Olivia Bailey
Max Enrollment: 8
Offered: All periods except when ALS is offered
Length of Elective: 4 weeks
Administrative Contact: Kelby Kiefer
Report To: Emergency Department, 8:00 am, 1st day.
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 1st day of rotation for orientation and simulation day.

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: SP19 3/25/19
          SP20 3/23/20
Length of Elective: 4 weeks
Administrative Contact: Kelby Kiefer
Report To: Student will be contacted by Dr. Wing.
Prerequisites: Capstone Course–can only take final M4 semester.
Special Conditions: Student must have current CPR certificate.
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. Shedek will make the schedule. Students are required to schedule a mid-rotation and end of rotation evaluation with Dr. Shedek.

FACULTY: Dr. Sarah Hemming-Meyer
Sahemming.meyer@eci.ac.org
Dr. Olivia Bailey, 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 1st day of rotation for orientation and simulation day.
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. An exam is required from assigned readings, online exercises, and simulation labs. Students must also complete a systems based practice project.

**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:** Bobbi Ahlen, ED Director, bahlen@grhs.net 319-768-4721 or Becki Peitz, Hospital Staff Coordinator, 319-768-3254; 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 1st 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. An exam is required from assigned readings, online exercises, and simulation labs. Students must also complete a systems base practice project.

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 1st 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. An exam is required from assigned readings, online exercises, and simulation labs. Students must also complete a systems based practice project.

FACULTY: Course Director: Dr. James Ellis
James_Ellis@SchumacherClinical.com

MAX ENROLLMENT: 1

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 1st day of rotation for orientation and simulation day.
OBJECTIVES: Students will undergo an intensive program providing “basic training” in life support skills, experience in procedures common to the inpatient hospital environment, and practice with simulated critical care scenarios. This two week elective consists of lectures, small group discussions, procedure labs, high-fidelity simulations, and self-directed on-line learning. By the end of the course, the learner will become confident about fulfilling their duties as a house staff physician.

In the process of the course, students can become certified in Advanced Cardiac Life Support (ACLS) and Pediatric Advanced Life Support (PALS), if they choose. The fee for the ACLS self directed on-line learning module is approximately $120 and the fee for the PALS self directed on-line learning module is approximately $120. The onsite skills testing fee and completion card will be covered.

FACULTY: Dr. Olivia Bailey
MAX ENROLLMENT: 30
OFFERED: SP19 4/8/19
LENGTH OF ELECTIVE: 2 weeks
ADMINISTRATIVE CONTACT: Kelby Kiefer
REPORT TO: Department of Emergency Medicine, 0073 RCP
PREREQUISITES: Capstone Course—can only take final M4 semester.
SPECIAL CONDITIONS: Grading is PASS/FAIL only.
Students should not take both ALS and Transition to Residency.
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
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 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
LENGTH OF ELECTIVE: 2 weeks
ADMINISTRATIVE CONTACT: Kelby Kiefer
REPORT TO: To be discussed with Dr Radke prior to start of rotation.
PREREQUISITES: Completion of the Core Clerkships
SPECIAL CONDITIONS: Grading is PASS/FAIL only.
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: Research Advisor
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.

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: Arranged
PREREQUISITES: Completion of Core Clerkships.
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
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. Bailey 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: Arranged
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. Bailey in Emergency Medicine.
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: Chris Lake
SPECIAL CONDITIONS: Student should be without other obligations during the time period.
**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:** Chris Lake

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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:** Chris Lake

**REPORT TO:** Arranged

**SPECIAL CONDITIONS:** Once registered for this preceptorship, you must contact Chris Lake to make arrangements for preceptorship site.
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 Dobyns, Jason Wilbur, Margo Schilling, and Scott Larson
MAX ENROLLMENT: 1
OFFERED: All periods
LENGTH OF ELECTIVE: 2 or 4 weeks
ADMINISTRATIVE CONTACT: Gretchen Schmuch
REPORT TO: Drs. Jason Wilbur and Nick Butler
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 4-5th 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: Bev Kotowske 319-297-2302
REPORT TO: Dónal Kevin Gordon, M.D.
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: Bev Kotowske 319-297-2302

REPORT TO: Dónal Kevin Gordon, M.D.

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: Dana Danley, M.D.
FAM:8409  SUB-INTERNERSHIP 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: Chris Lake
REPORT TO: Des Moines Medical Education Consortium Office, 515-241-4455.
SPECIAL CONDITIONS: Room provided; subsidized meal allowance.

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: Chris Lake
REPORT TO: Des Moines Medical Education Consortium Office, 515-241-4455.
SPECIAL CONDITIONS: Room provided; subsidized meal allowance.
FAM:8411  FAMILY MEDICINE CLERKSHIP, DAVENPORT

OBJECTIVES:  The student will:
become familiar with problems seen commonly in a family medicine office and gain experience in the evaluation, diagnosis, and management of these patients.
gain experience in the care of hospitalized family medicine patients.

EXPECTATIONS:  This will be accomplished by:  1) patient care in the rural branch office (Blue Grass) and in the Family Medicine model office (Davenport) with the direct support of staff and resident physicians; 2) workup and management of some patients who require hospitalization, 3) morning rounds with the family medicine team; 4) exposure to occupational and geriatric medicine through staff involvement; 5) teaching conferences.

FACULTY:  Faculty of Family Medicine Residency Program
MAX ENROLLMENT:  1
OFFERED:  All periods
LENGTH OF ELECTIVE:  4 weeks
ADMINISTRATIVE CONTACT:  Trish Halligan, CPMSM, 563-421-4455
REPORT TO:  Dean Bunting, M.D., 563-421-4455

FAM:8412  SUB-INTERNSHIP FAMILY MEDICINE, DAVENPORT
GENESIS MEDICAL CENTER

OBJECTIVES:  To increase student experiences in in-patient family medicine through:
• Assessing and managing hospitalized patients
• Evaluating and treating patients in the emergency room
• Participating in call coverage with Family Medicine residents

Student Expectations and Responsibilities:

Supervision:  The student will be supervised by Faculty on the Family Medicine Service and the R3 on the Family Medicine rotation. They will be provided with daily responsibilities by these two individuals working in conjunction.

Patient Care:
• The student will function the same as an R1 on the Family Medicine rotation with responsibility for initial ER evaluation of patients, or direct admissions from the FMC clinic or two rural practices. This includes obtaining an H & P, developing a differential diagnosis and creating a strategy for workup and initial treatment.
• The student will follow their patients daily in the hospital until discharge and write orders and progress notes along with the resident on the service, as well as helping arrange appropriate consultations.
• The student will participate in morning sit down rounds daily during the week and go on patient rounds with the faculty and R3 on the service.
• The student will also participate in morning didactic sessions, preparing by reading assigned articles or other materials chosen by the student (or R1 on the rotation) after doing literature searches on their inpatients.

Call:  The student will cover first call with resident once a week, helping answer phone calls and seeing ER patients.

Conference:  The student will be expected to attend noon (12:30) conference at the model clinic when not busy with hospital responsibilities.

FACULTY:  Faculty of Family Medicine Residency Program
MAX ENROLLMENT:  1
OFFERED:  All periods
LENGTH OF ELECTIVE:  4 weeks
ADMINISTRATIVE CONTACT:  Trish Halligan (563) 421-4455
REPORT TO:  Dean Bunting, M.D.
SPECIAL CONDITIONS:  Transportation required; meals and lodging are provided.
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.
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.
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:**

**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: Chris Lake

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: Sharla Wellick, 641/428-7779
Susan Hovey, 641/428-7510
REPORT TO: Chad McCambridge, M.D.
Mercy Family Medicine Residency
SPECIAL CONDITIONS: This elective is for students pursuing the specialty of Family Medicine. July – December is for 4th year students and January – June is for 3rd 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 before signing up for this elective to check on availability.
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.

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, tendinopathy 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:** Chris Lake  
**Report To:** Arranged  
**Special Conditions:** Student must be entering a Primary Care specialty.
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: Chris Lake

REPORT TO: Dr. Alison Lynch

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

**DURING OFFERED:** All Blocks

**LENGTH OF ELECTIVE:** 4

**ADMINISTRATIVE CONTACT:** Laura Moeller, M.D.

**REPORT TO:** Laura Moeller, M.D.

**SPECIAL CONDITIONS:**
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.

**Educational Goal:**

**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.

<table>
<thead>
<tr>
<th>FACULTY:</th>
<th>Jill Endres, M.D.</th>
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<tr>
<td>MAX ENROLLMENT:</td>
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<tr>
<td>OFFERED:</td>
<td>All periods</td>
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<td>LENGTH OF ELECTIVE:</td>
<td>4 weeks</td>
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<td>ADMINISTRATIVE CONTACT:</td>
<td>Chris Lake</td>
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<td>REPORT TO:</td>
<td>Jill Endres, M.D.</td>
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<td>SPECIAL CONDITIONS:</td>
<td>Grading is PASS/FAIL only.</td>
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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 Chris Lake for availability
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Chris Lake
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: Chris Lake
REPORT TO: t/b/a

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

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: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
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: Chris Lake
REPORT TO: Arranged
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 Gebska, Director, Sub-Internship Program

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

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.

SPECIFIC LEARNING OBJECTIVES

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 attend conferences on Evidence-based Medicine and Quality/Improvement.
5. Sub-Interns will participate in the 4th Year Professionalism seminar with Dr. Kaldjian.
6. Sub-Interns will practice effective and organized note-writing skills through self and peer-review and assessment 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
OFFERED: Closed Nov/Dec/Jan
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Kathleen Steenlage, 6-2333
REPORT TO: Dr. Milena Gebska, on first day of rotation (location and time to be announced).
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.
**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 immunotherapy, and performing and interpreting pulmonary function tests. The student will assist in the diagnosis and management of asthma, allergic rhinitis, drug allergy, food allergy, urticaria and angioedema, hereditary angioedema and immunodeficiency disease states. Outpatients will be evaluated by the student under supervision of the staff. Students will participate in allergy-immunology conferences weekly including Immunology Grand Rounds (Wed, 1:00 pm, C423-1 GH), the Fellows’ Conference (Wed, 2:00 pm), and the Immunology Group Seminars (Wed, 4:00 pm, 283 EMRB).

**FACULTY:** Dr. Vogelgesang and Staff

**MAX ENROLLMENT:** 1

**OFFERED:** All periods

**LENGTH OF ELECTIVE:** 2 or 4 weeks

**ADMINISTRATIVE CONTACT:** Patty Bruffey Thoene, C42 GH

**REPORT TO:** Deb Even, RN

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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 Clinical Service or two weeks on the Clinic Service plus two weeks on General Cardiology In-patient 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 Ms. Linda Bang, 6-2028, E-315 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:** 2

**OFFERED:** All periods

**LENGTH OF ELECTIVE:** 4 weeks

**ADMINISTRATIVE CONTACT:** Linda Bang, E-315 GH, 356-2028

**REPORT TO:** Arranged
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 EKG’s on their own with facilitation of learning by direct instructor feedback 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
LENGTH OF ELECTIVE: 2 weeks
ADMINISTRATIVE CONTACT: Linda Bang, E-315 GH, 356-2028
REPORT TO: E316 GH – 8:00 am
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: Julianna Lee, phone 3-7842
REPORT TO: Assigned Faculty - 8:00 am, 1st day, or as directed.
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 disease.
2) You will be able to identify and understand the management approach to significant (urgent) GI/Liver disease problems in the inpatient and outpatient setting.
3) You will be able to understand when and what procedures (endoscopy, liver biopsy, motility studies) are needed to provide diagnostic or therapeutic results.
4) You will be able to interpret what the GI/Liver specialist is trying to communicate about the results of these procedures.
5) You will be able to interpret some of the important findings of various procedures including biopsies/aspirations taken during procedures.

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 Diseases Diagnostic and Therapeutic Unit, MICU, and SNICU by GI/Liver clinical faculty.
4) Attendance at weekly teaching conferences and pathology seminar.

FACULTY: Gastroenterology-Hepatology Staff
MAX ENROLLMENT: 1
OFFERED: All periods
LENGTH OF ELECTIVE: 2 or 4 weeks
ADMINISTRATIVE CONTACT: Dr. Mariam Naveed, 4553 JCP or Hilary Humphrey 4608 JCP, 356-2132
REPORT TO: Digestive Diseases Clinic
**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

**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:** SW5-12 GH Conference Room; 8:15 am
**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 housestaff 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.
Sam Bredlau, 6-4419

**Report to:** MICU (5 RCP) at 8:00 am on Monday

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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.,
Sam Bredlau, 6-4419

**Report to:** Consult Staff, 8:00 am
**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:** Office of Lisa Antes, E329 GH

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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:** UIHC Rheumatology Clinic, 31205 PFP, (except Thursdays; VA 1st floor).
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:
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 pelvic 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
REPORT TO: Students will receive their schedule the week before the rotation starts.
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. In class time will occur on Mondays and Wednesdays, along with regular out of class requirements.

The first session of each week will be a seminar with a focus on discussion of the assigned readings. There will also be a brief time allotted for writing. The second session of each week 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

b) Critically read and discuss published Opinion Editorials, mining the work for tools that can be used in their own piece of persuasive writing

c) Gain experience writing, editing, and providing and receiving feedback on an Op-Ed piece

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

FACULTY: Brittany Bettendorf, MD
MAX ENROLLMENT: 12
OFFERED: SP19–3/11/19 tentative
SP20 - tbd
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Kathleen Steenlage
REPORT TO: Special Conditions: Grading is PASS/FAIL only.
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.

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.

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.

Shawna Westermann, M.D.
Arranged, limited by number of faculty available
Final 2 Advanced Semesters
Kathleen Steenlage
To be announced

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.

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
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, and Trump

**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.
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, and Trump

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

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

OBJECTIVES:  Learn principles of consultative medicine provided by general internists to non-internal medicine patients. Students will gain exposure to common general medicine problems including preoperative risk assessment and perioperative management of common medical problems like hypertension, coronary disease, lung disease and diabetes mellitus in the surgical patient. 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.

FACULTY:  Drs. Schwiesow, Juhler, Melahoures, Sullivan, Mertens Stefani, Read, Craig, Meka, and Khan

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.
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 Currier, 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.
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.

FACULTY: Drs. Nerheim, Oren, Haugland, Fudge, Groben, 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.
**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:** Arranged  
**SPECIAL CONDITIONS:** Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.

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

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

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: S203 GH, 6:45 am on first day.

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: Neurology Clinic Staffing Room, 8:00 am on first day.
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 (stroke)
2) Gain experience in the diagnosis, evaluation, and treatment of patients with stroke 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 stroke-team huddles in which allied health professionals also are present.

Conferences: The student is expected to be a participant in our daily stroke rounds and noon conferences.

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: S203 GH, 6:30 am on first day.
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: Research Advisor
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.

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

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: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
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:**  2  
**OFFERED:**  All periods  
**LENGTH OF ELECTIVE:**  4 weeks  
**ADMINISTRATIVE CONTACT:**  Carol Bontrager  
**REPORT TO:**  Student will receive email from department.

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:**  Instructor  
**SPECIAL CONDITIONS:**  Contact Dr. Howard with inquiries. Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.

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

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

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

OGB:8401 HIGH RISK ANTEPARTUM OBSTETRICS SUB-INTERNSHIP

OBJECTIVES: Under supervision by an upper level resident and faculty member, the student will be responsible for managing many of the high risk patients admitted to the Obstetric Service and will order diagnostic studies and follow their course. He or she will develop expertise in various diagnostic procedures such as non-stress testing and biophysical profiles. The student will be evaluated by direct observation.

Under resident, fellow and staff supervision, the student will see specific patients in the High Risk clinics. At the daily conferences the student will present the patients he or she has evaluated and will participate in the discussion concerning other patients. The student will be evaluated by direct observation and evidence based written questions related to ultrasound diagnosis and procedures.

He or she may work-up complicated patients admitted to the labor room and assist in their evaluation. He or she may be involved in the intrapartum care and delivery of the high risk obstetric patient. The student will be evaluated by direct observation.

Application of evidenced based medicine to maternal Fetal Medicine. In addition to the above activities, the teaching goals will be achieved through 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 an evidence based paper.

FACULTY: Drs. Stephen Hunter, Jennifer Niebyl, Mark Santillan, Nina Nuangchamnong, Janet Andrews, Andrea Greiner, and Kimberly Leslie

MAX ENROLLMENT: 1
OFFERED: All periods
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Dr. Nina Nuangchamnong
REPORT TO: 31323 PFP at 8:00 am
OBJECTIVES: Develop competency in the evaluation and management of hospitalized patients with serious and often complex gynecologic oncology problems.

GOALS & 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 senior-level residents. The student's experiences will consist predominantly (more than 80%) of inpatient responsibilities.
3. The student will develop proficiency in the management of postoperative gynecological cancer patients, with emphasis on clinical decision-making and development of management plans.
4. The subintern will assume an appropriate level of management responsibility for all aspects of patient care. Specifically, the student will participate in admissions, write postoperative admission orders, and write discharge summaries.
5. The student will develop proficiency in postoperative wound care and placement of nasogastric tubes, and the student will participate in other on-floor procedures as appropriate.
6. The student will become proficient in the management of postoperative fluid, electrolyte, and acid-base disorders.
7. The student will learn to independently diagnose and evaluate postoperative pain, and develop an understanding of postoperative pain management.
8. The sub-intern will learn to semi-independently manage postoperative patients with anemia and malnutrition.
9. The student will learn to independently identify critically ill patients who require immediate attention and may have to be transferred to an intensive care setting.
10. The student will demonstrate proficiency in documenting clinical activities (admission notes, progress notes, discharge notes, and orders) in the medical record.
11. The student will learn to function appropriately in a clinical management team including nursing staff, students and residents, social service workers, ward clerks, and other support.

EVALUATION METHODS:
1. The student will be evaluated by direct observation from faculty and residents.
   A. The student will be supervised and interact closely on a daily basis with the residents and the faculty staff. Daily/weekly feedback regarding notes, decision-making, and management plans will be provided.
   B. The subintern will attend the weekly Gynecologic Oncology Tumor Conference.
   C. At the end of the rotation, the student will present an appropriately referenced topic in gynecologic oncology of his/her choice, illustrated by a patient seen during the rotation.

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

MAX ENROLLMENT: 1
OFFERED: All periods
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Dr. Emily K. Hill
REPORT TO: In-Patient Gynecologic Conf. Room
            3 JPW (Elevator I), 7:00 am.
            Contact Dr Hill or senior resident on service
            the Friday prior to start.
OBJECTIVES: The student will: 1) increase his/her understanding and proficiency in evaluation, diagnosis, and treatment of patients with infertility, amenorrhea, recurrent pregnancy loss, and other gynecological endocrinopathies. All will be evaluated by each faculty member the student worked with in clinics, OR’s ab other settings including imaging (ultrasound, HSG), IVF, etc. All evaluations will then be aggregated and submitted to Med Hub along with the student’s grade. In addition to the above, student’s presentation to the division on a topic he/she chooses will be used to evaluate CCOM objectives. 2) increase his/her understanding and ability to evaluate patient pre-operatively, and care for patients post-operatively in the hospital. As a member of a team caring for patients with infertility, reproductive endocrine system disorders, and benign gynecologic conditions; the student will function as a sub-intern under close supervision by upper level resident and faculty members.

This will be achieved through: 1) active participation in the Reproductive Endocrinology-Infertility Clinic two days a week; 2) participation in related major in-patient and minor out-patient surgical procedures including pre and post-operative evaluation and care; 3) attendance at weekly student lectures, participation and assistance in performing hysterosalpingograms one afternoon per week, assistance in performing pelvic ultrasounds throughout the week, and study of assigned reading material. Students will be expected to select and complete one referenced presentation of a specific problem in reproductive endocrinology.

This elective is designed to accommodate students planning to take further training in Obstetrics & Gynecology.

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

MAX ENROLLMENT: 1

OFFERED: All periods

LENGTH OF ELECTIVE: 4 weeks

ADMINISTRATIVE CONTACT: Dr. Hakan Duran

REPORT TO: Ob/Gyn Outpatient Clinic, 3rd Floor PFP, 8:00 am
OBJECTIVES: The student will: 1) observe activities in a typical Urogynecology clinical practice, including clinic visits, clinic outpatient procedures and surgeries. 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 demonstrate the basic history and physical exam performed in women presenting for the care of pelvic floor disorders. 4) understand the typical clinical presentation, evaluation and conservative and surgical treatment options for urinary incontinence and pelvic organ prolapse.

This will be achieved by: 1) completing the four-week elective rotation; no weekend or evening call is required. 2) functioning as an active member of the Urogynecology Clinical team, participating in clinical care activities, including: outpatient clinic, outpatient procedures and inpatient surgery and hospital care. 3) preparing a chosen topic for presentation to the Urogynecology clinical team during the final week of the rotation.

FACULTY: Drs. Catherine S. Bradley, Rene Genadry, Joseph Kowalski and Diane Elas ARNP

MAX ENROLLMENT: 1

OFFERED: All periods

LENGTH OF ELECTIVE: 4 weeks

ADMINISTRATIVE CONTACT: Dr. Catherine S. Bradley

REPORT TO: Page Dr. Bradley the Friday afternoon prior to start
OBJECTIVES: This is a four week elective rotation. No weekend or evening call is required. The student will function as an active member of the Family Planning Services team, participating in clinical activities, including clinic and outpatient procedures. The student will spend time in the UIHC Gynecology Procedure Clinic, the Fetal Diagnosis and Therapy suite, as well as at the Emma Goldman and Planned Parenthood Clinics.

Each student will:

1. Observe typical family planning practices, including ambulatory clinic visits and clinical outpatient procedures and surgeries.
2. Learn and understand the basic mechanisms of various methods of contraception and appropriate candidates for these contraceptive methods.
3. Learn and understand the management options of spontaneous abortion including expectant, medical and surgical treatment of miscarriage.
4. Become familiar with medical regimens and surgical methods for inducing abortion in the first and second trimesters.
5. Learn and demonstrate the basic history and physical exam performed in women presenting for contraception management and various gynecological procedures.
6. Observe and participate in various office procedures such as suction D&Cs, endometrial ablations, office hysteroscopy and sterilization.
7. To be eligible for a grade of honors, the student must demonstrate advanced knowledge of a Family Planning topic as demonstrated by a comprehensive presentation of the chosen topic.

FACULTY: Dr. Abbey Hardy-Fairbanks
Dr. Stephanie Radke

MAX ENROLLMENT: 1
OFFERED: All periods
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Sally Fisher

SPECIAL CONDITIONS: The student will be directly supervised by the Medical Director of the Ryan Residency Family Planning Training Program 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 student’s performance.
The rotation is 4 weeks in duration. The Senior Medical Student will be paired with the Night R2 with primary responsibility for the inpatients on gynecology services. When not actively engaged, the night float will participate in the work of the resident team on LDR, gaining OB procedural competence as well as assisting with management of inpatients and consultations as delegated by the night chief R3/R4 and /or staff call physician. The Night Float and R2 will generally perform the initial assessment of ED or inpatient consults/admissions with eh immediate supervision of the R3/R4 and /or faculty as indicated. The Night Float will carry out plans discussed at evening sign-out For the inpatient gyn services. The Night Float will routinely follow 2-03 complex gynecology Oncology patients and will complete intern progress notes and sign out daily.

The rotation is from 5:00 pm to 7:30 am Mon thru Thurs with morning report from 6:30 am Tues, and 7:00-7:30 am W, Th, F. The Night Float and R2night float resident will generally report to the Gyn inpatient unit at 1700 and attend gyn onc sign-out (Mon thru Thurs), however may attend LDR sign-out pending service needs. The Night Float will attend gyn onc am rounds including sign-out of assigned patient s to the day team.

**OBJECTIVES:**

1. Under the supervision by the R2amd upper level resident and faculty member, the Night Float student will be responsible for managing the inpatient gyn services overnight including 2-3 complex gynecology oncology patients. He/she will develop expertise in the management of inpatient gynecology (oncology and benign) patients. The Night Float will be responsible for the care of 2-3 complex gyn onc patients including intern progress notes reviewed by the staff daily.

2. Under resident and staff supervision, the student will work –up patient s in the Emergency Room and Labor and Delivery for triage/evaluation as well as admissions. At morning sign-out the student will present the patients he/she has evaluated and will participate in the discussion concerning other patients. The student will be evaluated by direct supervision and evidence-based questions related to inpatient management and procedures.

3. He/she may be involved in the intrapartum care and delivery of obstetric patients. The student will be evaluated by direct observation.

4. The Night Float will lead the weekly night educational conference.

**FACULTY:** OBGyn Night Faculty – Dr. Stephanie Radke

**MAX ENROLLMENT:** 1

**OFFERED:** All Periods

**LENGTH OF ELECTIVE:** 4 weeks

**ADMINISTRATIVE CONTACT:** Dr. Stephanie Radke; Sally Fisher

**REPORT TO:** Gyn Onc Staffing office 3JPJ, Page R2 -5:30 pm
OBJECTIVES: This is an individually arranged four week elective rotation. No weekend or evening call is required. The senior student will function as an active member of the Benign Gynecology Service, participating in clinical activities, perioperative care activities, and inpatient care of women to develop competency in the evaluation and management of gynecologic problems (including in-patient and out-patient services) and obstetric routine care (out-patient services).

The student will:
1- Increase his/her understanding and proficiency in the evaluation, diagnosis, and treatment of patients with gynecological medical and surgical problems including perioperative care.
2- Increase his/her understanding and proficiency in the evaluation, diagnosis, and treatment of patients presenting for out-patient obstetric care (prenatal and postnatal).
3- Demonstrate proficiency in documenting clinical activities in the medical record.
4- Function appropriately in a clinical management team including patients, nursing staff, students, residents, social service workers, ward clerks, and other support.

EVALUATION: The student will be evaluated by direct observation from faculty and residents:
A. The student will be supervised and interact closely on a daily basis with residents and faculty staff. Daily feedback regarding notes, decision-making, and management plans will be provided.
B. The senior student will participate in the weekly Benign Gyn Team conference and present (1 week) and assist in assigning junior students topics to present.

FACULTY: Dr. Sarah Shaffer
MAX ENROLLMENT: 1
OFFERED: Permission Required
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Sally Fisher
REPORT TO: UIHC 3JPW – 7:00 am Monday (contact senior resident Friday before to confirm)
SPECIAL CONDITIONS: New Course still in planning
Continuity of Care in Outpatient Gynecology is designed to provide the fourth year medical student with a longitudinal continuity of care experience either at the VAMC Gynecology Clinic or the UIHC Vulvar Vaginal Disease Clinic. These are referral gynecology clinics in which women are seen for contraceptive management and gynecologic problems of both an acute and chronic nature. Throughout the year, for one half-day each week, the student will be actively involved in patient care and work closely with a preceptor. We will stress an evidence-based approach and encourage the student to individually research gynecologic topics of interest based on patient encounters. The student will have his/her own patient list. The student may choose to attend departmental Grand Rounds as can be accommodated by his/her schedule. The student will journal his/her reflections concerning the experience at least quarterly in the form of a brief written paper.

GOALS: The elective is designed to prepare the interested student for outpatient women’s health care, building on experience gained in the third year obstetrics and gynecology clerkship.

OBJECTIVES: Each student will:
1. Demonstrate increased knowledge of outpatient women’s health care including preventive health maintenance.
2. Display increased skills in performance of pelvic and breast examinations including performance of Pap smear and cervical cultures.
3. Identify abnormal findings on pelvic and breast examinations.
4. Discuss management algorithms for commonly encountered gynecologic problems.
5. Exhibit communication skills and cultural competency skills working with patients, health care team members and patients families.
6. Establish increased system-based skills in the VAMC or UIHC environment.
7. Develop a mentoring relationship with a primary faculty preceptor.

COURSE DIRECTORS: Dr.’s Veronika Kolder, and Sarah Shaffer

MAX ENROLLMENT: 2

LENGTH OF ELECTIVE: Final 2 Advanced Semesters

ADMINISTRATIVE CONTACT: Sally Fisher

SPECIAL CONDITIONS: Students must receive permission from Dr. Shaffer or Dr. Kolder to enroll in this elective. The elective will follow the guidelines developed by the Office of Student Affairs and Curriculum of the UICCOM. The student is expected to attend 80% of the scheduled sessions recognizing that conflicting commitments may compromise perfect attendance. Makeup sessions may be arranged at the discretion of the course director to satisfy attendance requirement. An orientation meeting will be held prior to beginning the course and is to be scheduled with the course director at a mutually convenient time. The student will be expected to schedule quarterly meetings with the course director for formative feedback and to review his/her reflection paper.

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
OBG:8497  RESEARCH IN OB/GYN

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

OBG:8498  OB/GYN ON-CAMPUS

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

The student must select the specific area of interest and develop a written educational plan consisting of their goals and objectives during the elective. The student must secure a faculty member to serve as the supervisor and mentor during the elective. The faculty must agree in writing to provide supervision and mentoring to meet these educational goals and objectives. The faculty must agree to provide a standard COM student evaluation within one week of completion of the elective.

- **FACULTY:** Arranged
- **MAX ENROLLMENT:** Arranged
- **OFFERED:** Arranged
- **LENGTH OF ELECTIVE:** 4 weeks minimum
- **ADMINISTRATIVE CONTACT:** Sally Fisher
- **REPORT TO:** Appropriate instructor
- **SPECIAL CONDITIONS:** Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.

OBG:8499  OB/GYN OFF-CAMPUS

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

The student must select the specific area of interest and develop a written educational plan consisting of their goals and objectives during the elective. The student must secure a faculty member to serve as the supervisor and mentor during the elective. The faculty must agree in writing to provide supervision and mentoring to meet these educational goals and objectives. The faculty must agree to provide a standard COM student evaluation within one week of completion of the elective.

- **FACULTY:** Arranged
- **MAX ENROLLMENT:** Arranged
- **OFFERED:** Arranged
- **LENGTH OF ELECTIVE:** 4 weeks minimum
- **ADMINISTRATIVE CONTACT:** Sally Fisher
- **REPORT TO:** Arranged
- **SPECIAL CONDITIONS:** Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
DEPARTMENT OF OPHTHALMOLOGY

COURSE DIRECTOR: Dr. Pavlina Kemp
CONTACT PERSON: Michelle Snyder
11290 PFP
356-2921

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: Arranged
PREREQUISITE: OPHT:8301

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: Arranged
PREREQUISITE: OPHT:8301
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: Arranged
SPECIAL CONDITIONS: Instructor permission required. Student must send a written request describing their interest in molecular genetics and a reference.
PREREQUISITE: OPHT:8301
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: 233 MRC, 9:00 am
SPECIAL CONDITIONS: Instructor permission required
PREREQUISITE: OPHT:8301
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: Arranged
PREREQUISITE: OPHT:8301

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: Arranged
SPECIAL CONDITIONS: Instructor permission required.
PREREQUISITE: OPHT:8301
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: Research Advisor
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.

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

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: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
ORTH:8403  SUB-INTERNSHIP IN ORTHOPEDICS

OBJECTIVES: The student will: Increase his/her clinical skills by assuming a junior resident level of responsibility for management of a limited number of orthopedic patients. 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 the faculty member’s clinic practice. The student’s experiences will consist predominantly (>80%) of inpatient responsibilities.

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 may work on the Trauma Service (Red Team) or 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/Amy Candelario 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: 2
OFFERED: All periods (no visiting students)
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Amy Candelario
REPORT TO: Amy Candelario, 01016R JPP
SPECIAL CONDITIONS: Only one student per team. Consists of two “teams”: Contact Amy Candelario to indicate your preference.
Sub-I RED = Trauma
Sub-I BLUE = Adult Hip and Knee Reconstruction
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, J. Chen, P. Chen, and Hall
MAX ENROLLMENT: 1 (additional on case-by-case basis)
OFFERED: All periods
LENGTH OF ELECTIVE: 2 weeks
ADMINISTRATIVE CONTACT: Amy Candelario, 01016R JPP
REPORT TO: UI Spine Rehabilitation Center/Orthopedics Clinic F, JPP 0728

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, J. Chen, P. Chen, and Hall
MAX ENROLLMENT: 1 (additional on case-by-case basis)
OFFERED: All periods
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Amy Candelario, 01016R JPP
REPORT TO: UI Spine Rehabilitation Center/Orthopedics Clinic F, JPP 0728
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 Amy Candelario, 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:** Amy Candelario, 01016R JPP

**REPORT TO:** Dr. Clark, 01075 JPP/Dr. Morcuende, 01023JPP

**SPECIAL CONDITIONS:**
ORTH:8408  ORTHOPEDICS - TRAUMA

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 Red Team-trauma 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: Amy Candelario, 01016R JPP
REPORT TO: Dr. Clark, 01075 JPP/Dr. Morcuende, 01023JPP
SPECIAL CONDITIONS:

ORTH:8409  ORTHOPEDICS - PEDIATRICS

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 Green Team-pediatrics 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: Amy Candelario, 01016R JPP
REPORT TO: Dr. Clark, 01075 JPP/Dr. Morcuende, 01023JPP
SPECIAL CONDITIONS:
ORTH:8410  ORTHOPEDICS - SPORTS MEDICINE

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 Black Team-sports medicine 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: Amy Candelario, 01016R JPP
REPORT TO: Dr. Clark, 01075 JPP/Dr. Morcuende, 01023JPP

ORTH:8411  ORTHOPEDICS - HAND, WRIST, ELBOW

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 Yellow Team-hand, wrist, elbow 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: Amy Candelario, 01016R JPP
REPORT TO: Dr. Clark, 01075 JPP/Dr. Morcuende, 01023JPP

SPECIAL CONDITIONS:
ORTH:8412  ORTHOPEDICS - SPINE

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 Orange Team-spine 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: Amy Candelario, 01016R JPP
REPORT TO: Dr. Clark, 01075 JPP/Dr. Morcuende, 01023JPP

ORTH:8413  ORTHOPEDICS - PATHOLOGY/TUMOR AND FOOT/ANKLE

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 Silver Team-tumor, foot, and ankle 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: Amy Candelario, 01016R JPP
REPORT TO: Dr. Clark, 01075 JPP/Dr. Morcuende, 01023JPP

SPECIAL CONDITIONS:
ORTH:8414   ORTHOPEDICS - 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 nonsurgical 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: Amy Candelario, 01016R JPP
REPORT TO: Dr. Clark, 01075 JPP/Dr. Morcuende, 01023JPP
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: Amy Candelario, 01016R JPP
REPORT TO: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.

ORTH:8498   ORTHOPEDICS 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: Amy Candelario, 01016R JPP
REPORT TO: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
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: Amy Candelario, 01016R JPP
REPORT TO: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
EVALUATIONS: Students are responsible for evaluations. Amy Candelario will email you the evaluation before your rotation starts.
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: Oto Clinic, 8:00 am

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

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: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
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:** Arranged
- **SPECIAL CONDITIONS:** Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
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; and 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: Deb Stumme
REPORT TO: Autopsy Services, E140 GH

PATH:8402   HEMATOLOGY 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) observation of performance of bone marrow aspiration and biopsy procedures; 4) review of hemoglobin electrophoresis cases in conjunction with CBC data, blood smear findings, and clinical history; 5) 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: Deb Stumme
REPORT TO: Dr. C. Holman, 6229 RCP, 6-3981
SPECIAL CONDITIONS: Instructor consent required.
**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:** Lynn Westphal  
**REPORT TO:** Surgical Pathology, 5244 RCP  
**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:** Deb Stumme  
**REPORT TO:** Hannah Born, 9:00 am,  
DeGowin Blood Center SW246 GH
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) infacing 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: Deb Stumme
REPORT TO: 6006 Boyd Tower, Microbiology Laboratory
Residents' room, 8AM Monday
SPECIAL CONDITIONS: Immunocompromised students may need evaluation before exposure to cultures and patient samples.

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

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: Deb Stumme
REPORT TO: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
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: Deb Stumme
REPORT TO: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
The pediatric inpatient services are staffed with a physician care team which includes the attending faculty, pediatric residents, and senior and junior medical students. The teams include the senior students as an integral part of each team. **All Pediatric inpatient rotations will include one week of nights. Team schedules can be found on ICON.**

### Objectives
- 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 UI Children’s Hospital, during which time they will carry the full responsibilities 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 up to 4-5 patients, under the direct supervision of the supervising resident (PL3) 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.

Consists of five individual “teams”:
- **Red Team:** Hematology/Oncology
- **Blue Team:** ½ General Pediatrics, Cardiology, Allergy/Pulmonology, Neurology, and Rheumatology
- **NICU Bays 2&3:** Neonatology-newborns with a broad variety of illnesses.
- **Green Team:** ½ General Pediatrics, GI, Endocrinology, and Nephrology
- **PICU:** Critically ill pediatric patients with a broad variety of illness

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: 5
OFFERED: All periods
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Cathy Chavez
REPORT TO: See ICON
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 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.
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.

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 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.

**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.


MAX ENROLLMENT: 1

OFFERED: All periods

LENGTH OF ELECTIVE: 4 weeks

ADMINISTRATIVE CONTACT: Cathy Chavez

REPORT TO: NICU Front Desk 6 JPP, 8:00 am
Ask for the attending fellow.

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.
The Pediatric Critical Care Medicine Elective 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 (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, NP, respiratory therapy, etc) add to the care of the patient, and to behave professionally at all times.
7. **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:** V. Allareddy, M. Auslender, A. Badheka, S. Balikai, C. Cifra, M. Coro, S. Haskell, E. Newell, and C. Tigges

**Max Enrollment:** 1

**Offered:** All periods

**Length of Elective:** 4 weeks

**Administrative Contact:** Cathy Chavez

**Report to:** PICU 7770 JPP, 7:00 am, ask for fellow on service

**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.
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.

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.

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 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:**

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:**


**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 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 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: D. Al-Zubeidi, W. Bishop, D. Ebach, E. Hannah, C. Newland, R. Rahhal, and A. Uc

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 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 learn current diagnostic and therapeutic approaches to children with disorders of red blood cells, white blood cells, platelets, and coagulation. Students will observe the multidisciplinary approach used for the treatment of children with oncologic diagnosis. Students will gain experience in current measures for evaluation and treating children with oncologic diseases. Students will be able to recognize common hematologic abnormalities by examination of peripheral blood smear and bone marrow specimens.

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.


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 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: Increase proficiency in doing a neurologic examination on infants, children and young adults. Students will develop competence at obtaining a neurologic history, including developmental history and genetic history. The student will learn an approach to diagnosing and managing common and rare neurologic problems in childhood, including seizures, developmental delay, neurocutaneous disorders and muscular dystrophy. Through exposure to patients in follow-up visits, the student will learn the natural history of common neurologic disorders. Students will learn to use written and computer based resources and interpret the results of laboratory testing (CT, MRI, EEG) in the diagnostic evaluations.

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


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 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 learn to recognize the varying presentations of child abuse and neglect (CAN) and when to consider CAN in the differential diagnosis of child or adolescent health problems. The student will further develop an understanding of the legal obligation placed on physicians as mandatory reporters of suspected child abuse and neglect. Finally, the student will develop an understanding of the physician’s role in preventing CAN and family violence.

The above goals will be achieved through a program of self-education that will teach the student an approach to the assessment of family dynamics and the early identification of children at risk. Scheduled activities with the physician director of the CAN service, social workers, members of the legal profession, and community services that support families will provide the student with an appreciation for the multidisciplinary management of CAN.

FACULTY: Resmiye Oral, M.D.
MAX ENROLLMENT: 2
OFFERED: Permission Required
LENGTH OF ELECTIVE: 2 weeks
ADMINISTRATIVE CONTACT: Cathy Chavez
REPORT TO: See ICON
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 to receive full credit. Students are responsible for initiating an online evaluation to Dr. Oral.
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.


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. A picture of the completed and signed feedback form must be uploaded to ICON in order to receive full credit. ALL students will write a 1-page reflection of their experience and upload it to ICON. Students are required to initiate on-line evaluations and to complete the CCOM Clerkship Evaluation.
OBJECTIVES: The minimum length of this elective is 4 weeks. Longer periods of time may be arranged with the permission of the instructor.

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.

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.

FACULTY: J. Bernat, A. Calhoun, B. Darbro, V. Sheffield, and A. Sidhu

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.
- Students will learn to care for critically ill newborns, increase their skill in ventilation, and learn application of physiologic principles in critical care.
- Will be responsible for the care of selected critically ill neonates under the supervision of senior pediatric residents & staff neonatologists.
- Participate in once-weekly morning report, daily noon conference, biweekly block conferences, and weekly Grand Rounds conferences.

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.
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: Arr
EVALUATIONS: Each student will develop 2 goals for the rotation and will write a 1-page reflection of their experience. Completion of the reflection is mandatory to receive credit. An evaluation will be emailed to the student and the student will be responsible for giving this to the community preceptors.
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 (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 subspecialty 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.
8. Students will be required to complete one 24-hour call shift on a Friday during the rotation.

**FACULTY:** Blank Pediatric Critical Care Staff - Amy Ferguson, MD

**MAX ENROLLMENT:** 1

**OFFERED:**

- 4/8/19 – 5/3/19
- 5/6/19 – 5/31/19
- 9/2/19 – 9/27/19
- 9/30/19 – 10/25/19
- 4/6/20 – 5/1/20

**LENGTH OF ELECTIVE:** 4 weeks

**ADMINISTRATIVE CONTACT:**

Liz Bolten (Program Coordinator)
Email: 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.
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 residents 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 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 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: N. Bansal, V. Curtis, K. Larson-Ode, A. Norris, L. Pesce, M. Tansey, E. Tsalikian,

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:
- Become familiar with the pathophysiology, diagnosis and management of pediatric kidney disease and hypertension.
- Become familiar with the assessment of kidney function based on serum creatinine, estimated/measured GFR, urinalysis, and blood pressure.
- Recognize the abnormal clinical findings, urinalysis and laboratory markers of glomerular disease.
- Understand the impact of congenital kidney abnormalities on long-term kidney and voiding function.
- Become familiar with the stages of chronic kidney disease and the side effects associated with CKD.
- Become familiar with the assessment of fluid balance, especially as it pertains to a patient with kidney disease or acute kidney injury.
- Appreciate the impact that end-stage renal disease, dialysis, and kidney transplant have on the lives of our patient and their families.
- Appreciate the impact of acute kidney injury on the clinical course and outcomes of critically ill patients.

At the end of a four week rotation, the student will be able to:
- Perform a physical exam with attention to physical findings pertinent to patients with kidney disease.
- Be able to classify a pediatric blood pressure reading as normal, pre-hypertension, stage 1 or stage 2 hypertension using the 4th report tables.
- Be able to calculate eGFR using the updated Schwartz formula
- List the side effects of chronic kidney disease
- Develop basic differential diagnoses for common nephrology issues (e.g., gross hematuria, proteinuria, acute kidney injury, hypertension).

Key Responsibilities of the student:
- No night call or weekends are required.
- Students will rotate with both the inpatient service and outpatient clinic providers. The schedule will be tailored to individual interests as much as possible, so please let us know if there are particular areas on which you wish to focus.
- Students will write the notes for all patients they are following (including consult notes, daily progress notes and clinic notes).  
- Students will attend all educational activities of the service as outlined in the weekly schedule.
- All senior students will be asked to prepare a 15-20 minute Powerpoint learning issue on the nephrology topic of their choice to be presented on the last Tuesday afternoon of their rotation.

FACULTY: L. Harshman, J. Jetton, K. Lee-Son, J. Misurac, C. Nester, and D. Zepeda-Orozco

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 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.
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: To be arranged

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 CLERKS:

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.
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:  Arranged
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 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.

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

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 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.

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: Arranged

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 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.
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. Carissa Gunderson
MAX ENROLLMENT: 2
OFFERED: All periods
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Teresa Young
REPORT TO: Special Conditions

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: Special Conditions
**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. Alison Lynch  
**MAX ENROLLMENT:** 1  
**OFFERED:** All periods  
**LENGTH OF ELECTIVE:** 2 or 4 weeks  
**ADMINISTRATIVE CONTACT:** Teresa Young  
**REPORT TO:**

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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:** Arranged
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:

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: Dr. Jess Fiedorowicz
MAX ENROLLMENT: 2
OFFERED: All periods
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Teresa Young
REPORT TO:
**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. Carissa Gunderson

**Max Enrollment:** 1

**Offered:** All Periods

**Length of Elective:** 2 or 4 weeks

**Administrative Contact:** Teresa Young

**Report To:**

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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. Supervising faculty will have expertise in this sub-specialty of psychiatry (Jodi Tate, MD), developmental and behavioral pediatrics (Dianne McBrien, MD) and clinical psychology (Todd Kopelman). 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 (Tate), medical evaluation of children and/or adults with ID (McBrien) and biobehavioral evaluation of children and/or adults with ID (Kopelman). Student will also tour local agencies that provide services to individuals with Intellectual Disabilities (Tate).

A presentation of scholarly work (oral presentation or paper) is required. Call is not required.

**Faculty:** Drs. Tate, McBrien, Kopelman

**Max Enrollment:** 1

**Offered:** All Periods

**Length of Elective:** 2 weeks

**Administrative Contact:** Teresa Young

**Report To:**

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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 and clinical experience can be done in a variety of substance abuse settings, from outpatient to residential. The elective will focus on the assessment and management of substance abuse disorders. A presentation of scholarly work (presentation or paper) is expected. Call is not required.

**Faculty:** Drs. Anthony Miller and Jill Liesveld

**Max Enrollment:** 1

**Offered:** All Periods

**Length of Elective:** 2 or 4 weeks

**Administrative Contact:** Teresa Young

**Report to:**

### 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 emergency department at the University of Iowa Hospitals and Clinics.

**Faculty:** Dr. Himadi

**Max Enrollment:** 1

**Offered:** tbd

**Length of Elective:** 2 or 4 weeks

**Administrative Contact:** Teresa Young

**Report to:**

### 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:**

**Offered:**
- SP19 - 3/11/19
- SP20 - 3/9/20

**Length of Elective:** 2 weeks

**Administrative Contact:** Teresa Young

**Report to:**

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

### 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. Carissa Gunderson
MAX ENROLLMENT: 2
OFFERED: All Periods
LENGTH OF ELECTIVE: 2 or 4 weeks
ADMINISTRATIVE CONTACT: Teresa Young
REPORT TO:
SPECIAL CONDITIONS:
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. Carissa Gunderson
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: Arranged
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
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. Carissa Gunderson
MAX ENROLLMENT: Arranged
OFFERED: Arranged
LENGTH OF ELECTIVE: 4 weeks minimum
ADMINISTRATIVE CONTACT: Teresa Young
REPORT TO: Dr. Gunderson to discuss options and develop a plan
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.

PSYC:8498  PSYCHIATRY ON-CAMPUS

OBJECTIVES: Individually arranged by student with approval of the department. Please contact Dr. Carissa Gunderson 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: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.

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: Arranged
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
3875 JPP
467-5463

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
O OFFERED: All periods, except 11/19/18 block
LENGTH OF ELECTIVE: 2 or 4 weeks
ADMINISTRATIVE CONTACT: Lucy Fasano
REPORT TO: 3567 JCP at 9:00 am
SPECIAL CONDITIONS: Must be dropped 4 weeks prior to the beginning of the section.

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: Dr. Sandeep Laroia
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: Clinical Coordinator
REPORT TO: Research Advisor
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.

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

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: Arranged
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

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: Dr. John Buatti, 01626 PFPW, 7:30 am

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

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: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
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: Cate Unruh
REPORT TO: Contact Cate Unruh for information for the first day of clerkship

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.
**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:** Cate Unruh  
**REPORT TO:** Contact Cate Unruh for information for the first day of clerkship  
**SPECIAL CONDITIONS:** Only one student per team. Coordinator will request team preferences prior to rotation start date.
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: Cate Unruh, UIHC
Paula Rasmussen, Des Moines
Report to: Des Moines Area Medical Education Consortium Office; 515/241-4455
Special Conditions: Room provided; subsidized meal allowance.

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 weekend 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: Cate Unruh, UIHC
Paula Rasmussen, Des Moines
Report to: Des Moines Area Medical Education Consortium Office, 515/241-4455
Special Conditions: Room provided; subsidized meal allowance.
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: Cate Unruh
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.
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 Wenquing Sun
Plastic Surgery: Thomas Lawrence, Jerrod Keith,
Wei Chen

MAX ENROLLMENT: 1
OFFERED: All blocks
LENGTH OF ELECTIVE: 4 weeks
ADMINISTRATIVE CONTACT: Cate Unruh
REPORT TO: Contact Ingrid-lizarraga@uiowa.edu one week prior to rotation start date.
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: Research Advisor
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.

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: Cate Unruh
REPORT TO: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.

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: Cate Unruh
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: Bridget A. Fahey

3244 RCP
353-7871

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: Bridget A. Fahey
REPORT TO: Dr. Tracy

SPECIAL CONDITIONS: Students considering a Urology residency are encouraged to meet with Dr. Tracy.

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: Bridget A. Fahey
REPORT TO: Dr. Tracy
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: Bridget A. Fahey
REPORT TO: Dr. Tracy

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: Bridget A. Fahey
REPORT TO: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.

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: Clinical Coordinator
REPORT TO: Arranged
SPECIAL CONDITIONS: Individually arranged elective form must be submitted 4 weeks prior to beginning of rotation.
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:** Bridget A. Fahey
**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