

**UNIVERSITY OF IOWA
CARVER COLLEGE OF MEDICINE**

PHASE II: CORE / REQUIRED CLERKSHIPS

**COURSE DESCRIPTIONS
2022**

Family & Community Medicine (6)
Pediatrics (6)

Obstetrics & Gynecology (6)
Surgery (6)

Internal Medicine (10)

Neurology (4)
Psychiatry (4)
Emergency Medicine (2)

Selectives

(Two taken during Core Year, Three during Advanced Phase)

Anesthesia (2)
Dermatology (2)
Ophthalmology (2)
Orthopedics (2)
Otolaryngology (2)
Radiology (2)
Urology (2)

Table of Contents

Family & Community Medicine FAM:8302.....	3-5
Pediatrics PEDS:8301.....	6-7
Obstetrics & Gynecology OBG:8301.....	8-9
Surgery SURG:8301.....	10-12
Internal Medicine IM:8310.....	13-14
Neurology NEUR:8301.....	15-16
Psychiatry PSYC:8301.....	17-19
Emergency Medicine EM:8301	20-21
Anesthesia ANES:8301.....	22
Dermatology DERM:8301.....	23
Ophthalmology OPHT:8301.....	24
Orthopedics ORTH:8301.....	25
Otolaryngology OTO:8301.....	26-27
Radiology RAD:8301.....	28
Urology URO:8301.....	29

FAMILY & COMMUNITY MEDICINE

FAM:8302

Clerkship Director: Stacey Appenheimer, MD
stacey-appenheimer@uiowa.edu

Assistant Clerkship Director: Emily Welder, MD
emily-welder@uiowa.edu

Clerkship Coordinators: Family Medicine Clerkship
fm-clerkship@uiowa.edu

Darin Ritchie
319-335-8615
darin-ritchie@uiowa.edu

Course Overview:

Family Medicine is a unique medical specialty that provides continuous, comprehensive health care to individuals and families throughout their lifespans. The scope of Family Medicine encompasses all ages, genders, organ systems and disease entities. Further, family physicians provide high quality care in the context of the personal doctor-patient relationship for the individual as well as the familial unit and community as a whole. Family physicians not only serve their patients, but often serve as pillars to maintain the health of the community. Their varied skill set in population health, urgent/emergency care, obstetrical care, pediatrics, geriatrics and palliative care allow them to be uniquely aligned to integrate and serve as medical directors for home health agencies, county health departments, residential care facilities, substance use treatment facilities, and hospice. The goal of this 6-week clerkship in Family and Community Medicine is to introduce students to the specialty of Family Medicine and the intersection between care delivered within the ambulatory care setting and the local community.

Course Structure

The students will learn 1-on-1 from a family medicine preceptor and will be able to compare and contrast the delivery of care within a community (non-academic) family medicine setting and that of a more urbanized academic Regional Medical Education Center (RMEC). The RMECs are located in Davenport, Iowa City/Cedar Rapids, Waterloo, Des Moines, Mason City, and Sioux City. Students will participate in group didactics centered around common primary care topics and small group case-based discussion sessions led by a faculty member or resident. Students will also take part in immersive experiences at local community agencies to learn how these local community resources can help aid in health care delivery and population health within the community.

Clinical Assignments

Students will be expected to be active participants seeing and learning from their patients in clinic. Students will complete and log Required Clinical Experiences (RCEs) on Clerx that are relevant to the primary care and community setting.

Community Experiences

Students will be scheduled to visit a variety of community agencies relevant to their community in which they are learning. Examples of types of community agency experiences are listed below:

- Assisted Living/Nursing Home care
- End of life care/Hospice
- Substance dependency and mental health services
- Family/Community resources
- Rehabilitation

Transportation

Students will require access to a personal vehicle for this clerkship.

Housing

Student housing is available through the RMECs for those students with a preceptor placement that is within a commutable distance. If the preceptor placement is in a rural location, housing will be secured within that community. If a student is placed in or near their hometown, they have the option of living at home if they choose; however, this is not required.

Absences and Time Off Policy

Some absences are unavoidable and unanticipated such as acute illness, adverse weather or family death. In the event of an unanticipated absence, students are expected to notify the clerkship director, the faculty/resident they were scheduled to work with, and to submit an Absence request on the student portal.

Anticipated absences or needed time off should be requested as early as possible and will be considered on an individual basis according to the University of Iowa Carver College of Medicine's Absence Policy located in the [Student Handbook](#).

Examples of Requests and Likely Responses (per Student Handbook)

Examples of requests that should be granted:

- Personal health appointments - student or immediate family
- Death in the immediate family

Examples of requests that are reasonable but which may or may not be granted depending on the duration of the request and educational activities:

- Presentation at a regional or national meeting
- Attendance at an established CCOM meeting for which the student is a member of the committee
- Attendance at a wedding as a member of the wedding party. Most of these events are known well in advance and students are encouraged to work first with OSAC to secure a schedule change. Request by the student to move an examination from the last day of the clerkship to accommodate wedding events are discouraged but the final decision rests with the course or clerkship director.

Examples of requests that are generally unreasonable and are likely to be denied:

- Car repair
- Haircuts
- Pet related issues

Evaluation

Students' clinical skills will be evaluated by their preceptor via completion of the College of Medicine's standardized clinical evaluation form. It is expected students will conclude the clerkship with 2-3 clinical evaluations (1 from their community/non-academic preceptor and at least 1 from their academic preceptor(s)) over the course of the 6 week clerkship.

Students' medical knowledge will be evaluated by completion of the NBME Family Medicine Shelf Exam during the last week of the clerkship.

Course grade

Grades will be distributed as Honors, Near Honors, Pass and Fail. Course grading is based on: 1) Clinical evaluations, 2) NBME Shelf Exam Score 3) OSCE performance and 4) Task completion/professionalism.

Student evaluation of the course

All students are required to complete a College of Medicine course evaluation form and a Department of Family Medicine clerkship evaluation.

PEDIATRICS PEDS:8301
UNIVERSITY OF IOWA STEAD FAMILY CHILDREN'S HOSPITAL

Clerkship Director: Jennifer Jetton MD
E205 GH
Pager 4263

Assistant Clerkship Directors: Lauren Kanner MD
BT 2023 GH
Pager 5829

Kristen Sandgren MD
BT 1304 GH
Pager 9482

Clerkship Administrator: Cathy Chavez
BT 2015-22 GH
(319) 356-7824

Overview

Clinical Pediatrics at UI Stead Family Children's Hospital includes 2 weeks of inpatient, 2 weeks of General Pediatrics/Newborn Nursery (utilizing the General Pediatrics Clinics at Iowa River Landing, North Liberty, and Scott Blvd in Iowa City, as well as the Adolescent Medicine Clinic at Iowa River Landing), and 2 weeks of a specialty clinic.

Orientation

Orientation will take place on the first morning of the clerkship and will be held in the Pediatric Conference Center on 2 JCP across from elevator F, unless otherwise noted. At this time, students will receive instruction on the various aspects of the clerkship and will be taken on a tour of Pediatrics. All students must dress appropriately (no jeans, shorts, exercise attire, sweatshirts, t-shirts with logos, or flip flops - see the Professional Appearance Policy on ICON).

Clerkship Examination

The final exam is an NBME shelf exam consisting of 110 questions. Students will have 2 hours 45 minutes to complete this. The exam will be held the last Friday of the clerkship.

Student Hours and Time Off

Four of the six weeks of Pediatrics are spent in outpatient clinics. Hours are Monday – Friday, 7:45 am – 5:30 pm. During the two weeks of inpatient, students will begin work at approximately 6:45 am and will work through sign-out at approximately 5:30 or 6:00 pm, Monday through Friday. Because there is no overnight call on Pediatrics, students are required to work one long day per week, 6:45 am – 10:00 pm Monday – Thursday. In addition, students will come in one day of the middle weekend of the inpatient block, beginning at 7:00 am and ending once rounds are done and patient care is finished. Students will have all University Holidays off. Students should request time off as early as possible and will not be granted more than two consecutive days off unless extenuating circumstances are present. Time off is NOT guaranteed.

PEDIATRICS PEDS:8301
BLANK CHILDREN'S HOSPITAL, Des Moines

Clerkship Director, Des Moines: Andrew Cyr, MD
1200 Pleasant St, Blank 5
Des Moines, IA, 50309
Phone: (515) 241-6339
Email: andrew.cyr@unitypoint.org

Clerkship Coordinator, Des Moines: Wendi Kruger
Des Moines Medical Education Consortium
1415 Woodland Ave, Ste 130
Des Moines, 50309
Phone: (515) 241-4455
Email: wendi.kruger@unitypoint.org

Overview

Clinical Pediatrics at Blank Children's Hospital includes 3 weeks on inpatient, 1 week Newborn Nursery, 1 week in a Community General Pediatrics Clinic and 1 week in Subspecialty Clinics where students receive an exposure to a variety of pediatric subspecialties. These clinics include Adolescent Medicine, Endocrinology, Hematology/Oncology, Nephrology and Pulmonary Medicine. Students participate in weekly didactic lectures, small group sessions, case conferences and all pediatric residency program conferences offered.

Orientation

Orientation will take place during the morning on the first day of the clerkship in Fisk Library on Blank 5. The orientation goes over various aspects of the clerkship and the students will also be taken on a tour of locations in the hospital that pertain to their Pediatric clerkship. All students must dress appropriately (i.e. no jeans, t-shirts, tennis shoes, shorts, or beach sandals).

Clerkship Examination

The final exam is an NBME shelf exam consisting of 110 questions. Students will have 2 hours 45 minutes to complete this. The exam is held on the last Friday morning of the clerkship.

Time Off

Students work Monday through Friday with the exception of the weeks on inpatient. During Inpatient, students will come in one weekend day during the three-week block to round on their patients. Because Pediatrics does not have overnight call, students will have one weekday during inpatient where they will be required to stay after evening check out until ~10:00 pm. Otherwise, normal inpatient hours are 7:00 am – 6:00 pm. Outpatient hours are typically Monday through Friday, 8:00 am – 5:00 pm. Students will have all University Holidays off. Students should request time off as early as possible and will not be granted more than two consecutive days off unless extenuating circumstances are present. Time off is NOT guaranteed.

Housing:

Students are provided free housing in a private furnished apartment located on the IMMC Campus. Free parking is available adjacent to the apartment building or in the covered parking ramp across the street. Free Fitness Center and Health Science Library access are available 24/7.

OBSTETRICS & GYNECOLOGY

OBG:8301

Course Director: Sarah Shaffer, DO
51225 PFP
sarah-shaffer@uiowa.edu

Course Coordinator: Sally Fisher, 384-8654
51210 PFP
sally-fisher@uiowa.edu

The clerkship in Obstetrics and Gynecology is a six-week clinical experience which most students complete at the University of Iowa Hospitals and Clinics (UIHC). Three students per block will be assigned to the Broadlawns campus in Des Moines (see Des Moines description below).

At UIHC, the clerkship is divided into three segments, each of which is two weeks in duration. During one segment, the students will rotate through both Benign Gynecology and Gynecologic Oncology. One week is devoted to Benign Gynecology and the second is devoted to the in-patient Gynecologic Oncology service. Students will accompany their teams to the operating rooms, emergency room, conferences, and lectures as directed. Students are expected to make morning rounds with their teams.

The second segment involves two weeks spent rotating through the general and subspecialty out-patient clinics. Students will see patients, take histories, present patients, assist with documentation and perform physical examinations under the supervision of the residents, fellows, and faculty. Students are expected to complete all of their clinical duties before leaving the hospital in the evening.

The third segment is devoted to the study of routine and high obstetrics on Labor & Delivery (L & D) and the inpatient Antepartum service. Each student will cover both day and night shifts on L & D. Students will accompany their teams to L & D, clinics, the Emergency Department, conferences, and lectures.

Students will also have a Continuity of Care Clinic (physician, nurse practitioner, nurse midwife) with whom they will work with for 6-7 sessions over the 6-week curriculum. This continuity component allows students to progressively develop their clinical and communication skills.

Running throughout this rotation is a student lecture series. Students are also expected to attend the weekly Grand Rounds and Morbidity and Mortality conferences, which are currently held on Tuesdays from 7:30 – 9:00. Lectures will be scheduled from 9-1 following Grand Rounds.

The OBGyn/Surgery combined Education Day will include a one-hour session about note writing and AM/ PM sessions about Sexual history communication skills (3 hours) and abdominal, female pelvic and breast/physical examination (1 hour each). The goal is to review and expand on key concepts introduced in the pre-clinical curriculum to ensure all students understand the fundamentals and key components to abdominal, breast, and female pelvic examinations as well as communication skills to take a sexual history

A mandatory OBGyn/Surgery combined OSCE is completed during week 11 of the combined rotation. Also mandatory, at the end of the rotation, students take a comprehensive “online” subject examination “shelf exam” authored by the National Board of Medical Examiners.

OBSTETRICS & GYNECOLOGY, DES MOINES OBG:8301
Des Moines Area Medical Education Consortium, Inc.

Clerkship Site Director: Larry Lindell, MD
Broadlawns Medical Center,
1801 Hickman Road
Des Moines, Iowa 50314
Phone: 515/282-2200
Email: llindell@broadlawns.org

Clerkship Support: Wendi Kruger
1415 Woodland Ave, Suite 130
Des Moines, Iowa 50309
Phone: 515/241-4455
Email: wendi.kruger@unitypoint.org

Three students per block complete the clerkship at the Broadlawns campus in Des Moines. The clerkship is divided into three segments, each of which is two weeks in duration. During one segment, students will rotate through gynecology in both the outpatient and inpatient settings at Broadlawns; this will include some operative experience.

During another segment, students will rotate through obstetrics from both the inpatient and outpatient perspective. This will include an opportunity to actively participate in deliveries.

The third segment is a community obstetrics and gynecology experience that includes involvement in high risk obstetrics, gynecology oncology, family planning and reproductive endocrinology experiences.

Students will alternate being on call nights and weekend days with other students which will increase opportunities to participate in deliveries. Weekly on Thursday afternoons, students will participate in didactic lectures and CBL exercises coordinated by Drs. Larry Lindell and Amy Bingaman. Students will also present to faculty and peers both an obstetrics topic and a gynecology topic of their choosing.

A Mandatory OBGyn/Surgery combined OSCE is completed during week 11 of the combined rotation at the Iowa City campus. Also mandatory, at the end of the rotation, students take the comprehensive National Board of Medical Examiners Obstetrics and Gynecology shelf examination.

Orientation and Logistics:

Students are sent written information on where and when to report for orientation.

Students are provided free housing in the Inn Towner apartment complex on the IMMC campus.

Information about housing and orientation will be provided by Des Moines Brach Campus Education Coordinator Wendi Kruger. Meals are provided free at Broadlawns.

SURGERY CLERKSHIP SURG:8301
University of Iowa Hospitals and Clinics

Clerkship Director: Luis Garcia, MD
0091 RCP
luis-garcia@uiowa.edu

Co-Clerkship Director: Natalie Weger, DO
1530 JCP
natalie-weger@uiowa.edu

Clerkship Coordinator: Noel VanDenBosch, BA
Phone 356-4499
1527 JCP
noel-vandenbosch@uiowa.edu

Clerkship Structure

Surgery is a required six-week core clerkship experience that is divided into two, three-week team assignments. Students are expected to participate in all clinical activities of the team, including inpatient and outpatient care, procedures, and trauma call. Services are paired such that students will spend 3 weeks on a busier service and 3 weeks on a slower service. All students will spend at least one 3-week segment on one of the following teams: Emergency General Surgery, Pediatric, Vascular, Thoracic, Plastics, Trauma, and Cardiac. The other 3-week segment will be on one of the following teams: Minimally Invasive Surgery, Colorectal, Breast, Burns, Surgical Oncology, Transplant, and the VA Medical Center

Orientation

Orientation will take place on the first day of the clerkship. Students will receive instruction on the various aspects of the clerkship from multiple sessions including an orientation from surgery residents and a skills session which focuses on surgical knot-tying and suturing. All students must dress appropriately (no jeans, shorts, exercise attire, sweatshirts, t-shirts with logos, or flip flops - see the Professional Appearance Policy on ICON).

Requirements

All physicians need to be able to recognize and initially manage surgical emergencies such as trauma, acute abdominal pain, soft tissue infections or limb ischemia, which may originate in patients coming to the emergency room or as consults from within the hospital. Students will be assigned a 5-hour trauma call at UIHC. They will be required to be present and actively participate in all the activities of the general surgery call team. Additionally, the students' own teams may work out schedules wherein students may take turns staying late or coming in for off-hours clinical activities. Students and teams should keep in mind that students can work no more than 80 hours per week or an average of 65 hours per week over a four-week period. Students on the core rotation cannot work more than 16 hours per day.

Students are required to attend Surgery core lectures, didactic sessions, case presentation days and department/service conferences. In addition, students are required to attend and participate in combined Surgery/OBGYN educational sessions throughout the 12-week curriculum. More information can be found on ICON (<http://icon.uiowa.edu>).

Surgery: A Case Based Clinical Review by Christian De Virgilio is the **recommended** text. It is provided in PDF format on ICON. Students are encouraged to download the text onto iPads loaned to each student by the Department of Surgery. Simply attending the teaching sessions and not reading the book will put students at risk for failing the exam.

Clerkship Exam

The final exam is an NBME shelf exam consisting of 110 questions. Students will have 2 hours 45 minutes to complete this. The exam will be held the last Friday of the clerkship. Students are excused from all clinical duties after the exam.

Grades

The Surgery Clerkship grade is comprised of 100 points for the required elements. These elements are the NBME shelf exam (30%); clinical evaluations from residents, fellows, and faculty members (45%); OSCE (5%); Case Presentation (10%); Professionalism (5%); and course assignments: H&P, Mid-Clerkship Form, Logging Duty Hours and RCEs (5%). The minimum passing score for the NBME shelf exam is 55. Students will have one additional opportunity to take the Surgery NBME if they do not pass on the first attempt. However, students who fail the first attempt will not be candidates for either Honors or Near Honors. Students must score at least 65/100 to pass the clerkship.

SURGERY, DES MOINES SURG:8301
Des Moines Area Medical Education Consortium, Inc.

Local Clerkship Director: Peter Tonui, M.D.
1415 Woodland Avenue, Suite 140
Des Moines, Iowa 50309
Phone: 515 / 241-4076
Email: ptonui@iowaclinic.com

Local Clerkship Coordinator: Wendi Kruger
1415 Woodland Avenue, Suite 130
Des Moines, Iowa 50309
Phone: 515 / 241-4455
Email: wendi.kruger@unitypoint.org

Course Structure: 6-week Clerkship

Students will be assigned for 3 weeks to two of the Surgery Teaching Services at Iowa Methodist Medical Center. The three services are Oncology/Transplant, Colorectal Surgery, and Vascular Surgery. Each service includes junior and senior surgery residents and members of the Surgery Residency Program faculty and one student. Students will typically follow 3-5 patients and will participate in the pre-operative, operative, and post-operative care of these patients. In the OR, students will generally first assist and will often be allowed to do some suturing. Students will also attend weekly half-day outpatient clinics in the areas of general surgery, trauma surgery and colorectal surgery.

Students will participate in weekly core lectures plus attend residency program teaching conferences on Tuesday afternoons and Thursday mornings. Students will also be assigned one night of call during the clerkship. This allows students to see trauma and other surgical emergencies presenting after hours.

Orientation:

Orientation will be provided on the first day of the clerkship in the Des Moines Area Medical Education Consortium office on the campus of Iowa Methodist Medical Center at 1415 Woodland, Suite 130. Consortium staff and Dr. Tonui (clerkship director) will jointly conduct the orientation session. Dr. Tonui will also arrange for students to be oriented to the OR on the first day, including proper scrubbing and gowning procedures. Dr. Tonui will then lead a surgical skills workshop so students can begin working on their suturing skills.

Evaluation:

Students will be evaluated and tested the same way as students in Iowa City. Students will return to Iowa City for the Ob Gyn/Surgery OSCE exam but will take the NBME Surgery shelf examination in Des Moines.

Grades:

Students will be graded identically to the students completing the clerkship in Iowa City. The top 20% students earn Honors and the next 20% earn Near Honors recognition. Components that contribute to the final grade include shelf exam performance, clinical evaluations from residents and faculty, professionalism, clerkship assignments, case presentation, and OSCE performance.

INPATIENT/OUTPATIENT INTERNAL MEDICINE

IM:8310

University Hospital, Iowa River Landing and Veterans Administration Medical Center

Clerkship Director: Lisa Antes, MD;
Lee Sanders, MD;
Katie White, MD
E330-2 GH
Lisa-antes@uiowa.edu
Marion-sanders@uiowa.edu
katherine-white@uiowa.edu

Contact Person: Kathleen Steenlage
E328-4 GH
6-2333
kathleen-steenlage@uiowa.edu

Course Structure: 10 week clerkship with 3 components (detailed below)

- Ambulatory clinic experience comprising two 2 week blocks
- Inpatient medicine ward experience on general medicine services at UIHC and the VA hospital and subspecialty ward services at UIHC
- Core curriculum presented during education half-days that occur weekly and an asynchronous online curriculum for self-directed learning

Classroom Activities:

- Curriculum will be presented in small and large group discussion sessions emphasizing interpretation of clinical data, case-based clinical reasoning, advanced communication skills, and physical exam skills.

Orientation:

- Students will be oriented on the first day of the clerkship. This will include logistical information about the clerkship requirements and student roles as well as introduction to some basic clinical skills that will be important for participation in patient care.

Time Off:

- Students will work during 3 of the 9 weekends on the clerkship, to be assigned by the clerkship directors. No overnight call.
- Students will have half days for independent study meant for preparation for clinic and review of asynchronous curriculum (ie. online lectures).

Clerkship Examination:

- On the final Thursday of the 4 week block students will sit for the NBME Medicine shelf exam which will serve as the knowledge based on exam for this clerkship.
- On Friday, students will participate in an OSCE to assess clinical skills in internal medicine

INPATIENT/OUTPATIENT INTERNAL MEDICINE, DES MOINES

IM:8310

Des Moines Area Medical Education Consortium, Inc.

Clerkship Directors: Tyler Schwiesow, MD;

Mike O'Conner, DO;

Steve Craig, MD

1415 Woodland, Suite 130

Des Moines, IA 50309

tyler.schwiesow@unitypoint.org

michael.oconner@unitypoint.org

steven.craig@unitypoint.org

Contact Person: Wendi Kruger

1415 Woodland, Suite 130

Des Moines, IA 50309

515-241-4455

Wendi.kruger@unitypoint.org

Course Structure: 10-week clerkship with 3 components (detailed below)

- One four-week Ambulatory Internal Medicine Clinic block with a mix of general medicine and subspecialty medicine clinics, including GI and Pulmonary procedure experiences.
- One three-week Inpatient Internal Medicine block working on the general medicine teaching service at Iowa Methodist Medical Center.
- One three-week Inpatient Internal Medicine block working on the general medicine teaching service at the Des Moines VA Medical Center.

Classroom Activities:

- Core curriculum presented during education half-days that occur weekly supplemented by an asynchronous online curriculum for self-directed learning.
- Classroom didactic instruction will be presented in small and large group discussion sessions emphasizing interpretation of clinical data, case-based clinical reasoning, advanced communication skills, and physical exam skills.

Orientation:

- Students will be oriented on the first day of the clerkship. This will include logistical information about the clerkship requirements and student roles as well as introduction to some basic clinical skills that will be important for participation in patient care.

Time Off:

- Students will work one evening shift and one weekend day shift during each of the inpatient medicine blocks (at Iowa Methodist and at the VA). No overnight call.
- Students will have half days for independent study during the ambulatory block to prepare for clinic and for review of the asynchronous curriculum (ie. online lectures).
- Time off requests are handled on a case-by-case basis in accordance with University of Iowa Carver College of Medicine policies.

Clerkship Examination:

- On the final Thursday of the 4-week block students will sit for the NBME Medicine shelf exam which will serve as the knowledge based exam for this clerkship.
- On Friday, students will participate in an OSCE to assess clinical skills in internal medicine.

Housing for Clerkship Students at the Des Moines Branch Campus:

- Students will be provided free housing in a private furnished apartment located on the Iowa Methodist Medical Center campus.
- Free parking is available adjacent to the apartment building and in the covered parking ramp located across the street from the apartment building.
- Free access to the Health Sciences Library and Fitness Center are available 24/7.

NEUROLOGY
NEUR:8301

Director: Tracey Cho, MD

Co-Director: Harold Adams, MD

Contact Person: Heather Clement, MBA
S708 GH
Phone: 319-467-8055
Email: heather-clement@uiowa.edu

This course serves to introduce the practice of neurology and familiarize the student with common neurological disorders. All course objectives will be evaluated by observation of student performance by residents, fellows, or faculty. At the completion of the clerkship, students are expected to be able to:

- 1) Perform a neurological history and examination. PC01, MK02
- 2) Formulate a neurological localization and differential diagnosis of common neurological conditions
PC02, MK02
- 3) Understand indications for pertinent neurological diagnostic studies PC03
- 4) Understand the principles of management for common neurological conditions
PC04

Clinical performance is evaluated by a combination of a final written examination and evaluations completed by attending physicians and housestaff. Students must pass both the examination and the faculty evaluations to pass the course. If the student fails the final written examination, the student will be asked to do a repeat examination by the course director. If the student fails the repeat examination, the clerkship must be repeated.

NEUROLOGY, DES MOINES
NEUR:8301

Local Clerkship Director: Lynn Rankin, MD
1221 Pleasant Street, Suite 300
Des Moines, IA 50309
Phone: 515-241-4200
Email: lynn.rankin@unitypoint.org

Clerkship Coordinator: Wendi Kruger
1415 Woodland Avenue, Suite 130
Des Moines, IA 50309
Phone: 515-241-4455
Email: wendi.kruger@unitypoint.org

This course serves to introduce the practice of neurology and familiarize the student with common neurological disorders. All course objectives will be evaluated by observation of student performance by faculty. At the completion of the clerkship, students are expected to be able to:

1. Perform a neurological history and examination. PC01, MK02
2. Formulate a neurological localization and differential diagnosis of common neurological conditions. PC02, MK02
3. Understand indications for pertinent neurological diagnostic studies PC03
4. Understand the principles of management for common neurological conditions PC04

Students in Des Moines will complete two weeks of Adult Inpatient Neurology, one week of Adult Outpatient Neurology, and one week of Pediatric Outpatient Neurology. Students will have the opportunity to evaluate adult and pediatric patients with a wide variety of neurologic concerns. Students will round one of the weekends during their two weeks of inpatient adult neurology. This further enhances the chance that they will see patients presenting with acute ischemic strokes who are candidates for thrombolytic therapy or interventional thrombectomy procedures.

Clinical performance is evaluated by a combination of a final written examination and evaluations completed by attending physicians. Students must pass both the examination and the faculty evaluations to pass the course. If the student fails the final written examination, the student will be required to repeat the examination. If the student fails the repeat examination, the clerkship must be repeated.

PSYCHIATRY
PSYC:8301

Clerkship Director: Emily Morse, M.D.
emily-morse@uiowa.edu

Associate Clerkship Director: Holly Van Den Beldt
holly-vandenbeldt@uiowa.edu

Clerkship Coordinator/Contact: Sarah Butler
Sarah-butler@uiowa.edu
319-353-6963

Clinical Assignments. The rotation will consist of a combination of inpatient and outpatient experiences. Students will be emailed a preference sheet in advance detailing the various clinical service combinations available, with sites at UIHC, the Iowa City VA Health Care System, and Mercy Hospital (Cedar Rapids). Students will typically spend at least 3 weeks working with an inpatient psychiatric team and 2-5 days in an outpatient psychiatry setting (including outpatient clinics, Partial Hospital program, and Emergency Department.)

Required Clinical Experiences. Students are expected to independently evaluate a patient for suicidal ideation and participate in the clinical evaluation/management of at least one patient with each of the following diagnostic groups: psychotic disorders, mood disorders, cognitive disorders, personality disorders, anxiety and related disorders, and substance use disorders. Students will also observe electroconvulsive therapy (ECT).

Learning Activities.

- The core textbook (Black, D and Andreasen, N, *Introductory Textbook of Psychiatry, 6th ed.*, American Psychiatric Publishing, 2014) and supplementary texts are provided for students' use.
- Weekly case conferences on key diagnoses (psychotic disorders, mood disorders, and substance use disorders) will apply material from reading to understanding a current patient's case.
- Simulated patient sessions promote development of advanced interviewing skills in complex patient scenarios (suicide risk assessment, and medically unexplained symptoms).
- Faculty or resident-led didactic sessions on selected topics of psychiatric pathology and therapeutics are offered, usually on Tuesday afternoons, and also available as recordings on Panopto.
- Faculty-led Journal Club will review evidence-based medicine principles in evaluating a psychiatric treatment trial.
- The Study of the Patient assignment is a comprehensive psychiatric history and physical on a patient that the student is following and assesses student competence in skills of obtaining and reporting biomedical and psychosocial information, writing an integrated case formulation, generating a differential diagnosis, and supporting the diagnosis.
- Two resident-led sessions offer review of pharmacology with a *Jeopardy*-style quiz game and exam preparation with board-style multiple choice questions.
- Students attend a mutual-help group of their choosing and submit a brief reflection on the experience.

Feedback and Evaluation. Students receive formal feedback from faculty on clinical skills of conducting a psychiatric interview and mental status exam, as well as mid-clerkship feedback. Formal evaluations include a series of quizzes, Performance-Based Assessment, the NBME clinical science subject exam in psychiatry, and clinical evaluation by faculty (and residents, if applicable).

PSYCHIATRY, DES MOINES
PSYC:8301

Local Clerkship Director: Teresa Dolphin Shaw, DO
Broadlawns Medical Center
1801 Hickman Avenue
Des Moines, Iowa 50314
Email: tmshaw@broadlawns.org

Local Clerkship Coordinator: Wendi L. Kruger
1415 Woodland Avenue, Suite 130
Des Moines, IA 50309
Phone: 515-241-4455
Email: wendi.kruger@unitypoint.org

Clinical Assignments. Students will complete the four-week Des Moines psychiatry core clerkship at Broadlawns Medical Center. This will include caring for a great variety of patients on a busy adult inpatient psychiatry service. Additional patient exposures will include evaluating patients in the Psychiatry Emergency Room, participating in the substance abuse treatment program, participating in ECT treatment sessions, and seeing adult and pediatric patients in an outpatient psychiatry clinic setting.

Required Clinical Experiences. Students are expected to independently evaluate a patient for suicidal ideation and participate in the clinical evaluation/management of at least one patient from each of the following diagnostic groups: psychotic disorders, mood disorders, cognitive disorders, personality disorders, anxiety and related disorders, and substance use disorders. Students will also observe electroconvulsive therapy (ECT).

Learning Activities.

- The core textbook (Black, D and Andreasen, N, *Introductory Textbook of Psychiatry, 6th ed.*, American Psychiatric Publishing, 2014) and supplementary texts are provided for students' use.
- Weekly case conferences conducted jointly with students on the Iowa City campus will address key diagnoses (psychotic disorders, mood disorders, and substance use disorders) and will apply material from reading to understanding a current patient's case.
- A simulated patient session will promote development of advanced interviewing skills in suicide risk assessment.
- Faculty or resident-led didactic sessions on selected topics of psychiatric pathology and therapeutics are available as recordings on Panopto.
- Faculty-led Journal Club will review evidence-based medicine principles in evaluating a psychiatric treatment trial.
- A *Jeopardy*-style session will be used as a review of psychopharmacology. An exam preparation session with board-style multiple choice questions will also be provided.
- Students attend a mutual-help group of their choosing and submit a brief reflection on the experience.

Feedback and Evaluation. Students receive formal feedback from faculty on clinical skills of conducting a psychiatric interview and mental status exam, as well as mid-clerkship feedback. Formal evaluations include a series of quizzes, Objective Structured Clinical Evaluation exercise of simulated patients, the NBME clinical science subject exam in psychiatry, and clinical evaluations by faculty (and residents, if applicable).

Housing. Students are provided free housing in a private furnished apartment in the Inn Towner Apartments located on the campus of Iowa Methodist Medical Center at 1300 Woodland Avenue. Some meal assistance is also provided.

Core Emergency Medicine
EM: 8301
University of Iowa Hospitals and Clinics

Clerkship Director: Brooks J. Obr, MD, MME
Brooks-Obr@uiowa.edu
Office phone: 319-467-9758

Asst Clerkship Director: Olivia Bailey, MD
Olivia-Bailey@uiowa.edu
Office phone: 319-353-6360

Clerkship Coordinators: Kelby Kiefer
Kelby-Kiefer@uiowa.edu
Office phone: 319-384-6468

Course Structure: The course is composed primarily of the completion of one day of orientation/didactics followed by 7 clinical shifts over the course of two weeks at the University of Iowa Hospitals and Clinics. During the course of clinical shifts students will participate in direct patient care as a part of the care team and will have the opportunity to perform supervised bedside procedures as well as call consults. There will also be an ethics session on the final day of the clerkship in which students will participate in a small group discussion with a facilitator. Students will additionally be required to attend a mid-clerkship meeting. Required Clinical Experiences (RCEs) are a component of this course.

Course Evaluation: Evaluation is based upon demonstration of patient care/diagnostic ability, medical knowledge, ability to incorporate feedback into clinical practice, and professionalism.

Feedback: Students receive feedback in the way of verbal feedback daily after each clinical shift. This feedback is discussed at the mid-clerkship meeting and will be available to the student throughout the course with the clerkship coordinator.

Exam: The exam will consist of a multiple choice exam developed by the Emergency Medicine educational team. It will be administered on the second Friday of the clerkship.

Grading: Grading will be based upon 50% daily clinical shift evaluations filled out by the faculty / senior resident you worked with and 50% exam.

Time Off: Time off requests are handled on a case-by-case basis in accordance with University of Iowa Carver College of Medicine policies. In general, students may work any-time between the first Tuesday and the following Thursday of the clerkship.

Core Emergency Medicine
EM: 8301
Des Moines Branch Campus

Clerkship Director:

Nicholas Kluesner, MD, FACEP
nicholas.kluesner@unitypoint.org
Office phone: 515-241-8673

Clerkship Coordinators:

Wendi Kruger
wendi.krueger@unitypoint.org
Office phone: 515-241-4455

Sam Heckethorn
sam.heckethorn@unitypoint.org
515-241-6962

Course Structure: The clerkship includes completion of one day of orientation/didactics followed by working 7 clinical shifts over the course of two weeks in one of the UnityPoint Health-Des Moines Emergency Departments. During the course of clinical shifts students will participate in direct patient care as a part of the care team and will have the opportunity to perform supervised bedside procedures as well as obtain consults. There will also be an ethics session on the final day of the clerkship in which students will participate in a small group discussion with a facilitator. Students will additionally be required to attend a mid-clerkship meeting. Required Clinical Experiences (RCEs) are a component of this course.

Course Evaluation: Evaluation is based upon demonstration of patient care/diagnostic ability, medical knowledge, ability to incorporate feedback into clinical practice, and professionalism.

Feedback: Students receive feedback in the way of verbal feedback daily after each clinical shift. This feedback will be discussed at the required mid-clerkship meeting and will be available to the student throughout the course via the clerkship coordinator.

Exam: The exam will consist of a multiple choice exam developed by the Emergency Medicine educational team. It will be administered on the second Friday of the clerkship.

Grading: Final clerkship grading will be based upon 50% daily clinical shift evaluations completed by faculty and 50% final exam performance.

Time Off: Time off requests are handled on a case-by-case basis in accordance with University of Iowa Carver College of Medicine policies. In general, students may work any-time between the first Tuesday and the following Thursday of the two-week clerkship.

Housing: Students will be provided free housing in a private furnished apartment located on the Iowa Methodist Medical Center campus. Free parking is available adjacent to the apartment building and in the covered parking ramp located across the street from the apartment building. Free access to the Health Sciences Library and Fitness Center are available 24/7.

DERMATOLOGY
DERM:8301

Clerkship Director:	Vincent Liu, MD 40035 PFP
Clerkship Contact Person:	Kate Scheer 40027 PFP 356-1694 kathryn-scheer@uiowa.edu Patricia Swenka 40020 PFP 384-5470 patricia-swenka@uiowa.edu
Course Structure:	Clinical experience in conjunction with computer-based tutorials, lectures, and a hands-on suturing session. Students will rotate through the UIHC Dermatology Clinic, the IRL Dermatology Clinic, the Pediatric Specialty Clinic (pediatric dermatology), and the Iowa City VA Medical Center. Students will have the opportunity to participate in inpatient consultations, dermatologic surgery, and the Dermatopathology Service, according to interest and availability.
Course Requirements:	Students must complete a series of seven dermatology tutorials, 20 of 29 virtual dermatology cases, and a writing assignment while on this two-week clerkship. The assignments comprise 15% of students' final grade.
Course Objectives:	Students should demonstrate the following: I. Skill in obtaining a clinical database A. Clinical history B. Physical examination C. Use of laboratory methods II. Ability to present patient information effectively and thoroughly III. Competence in generating a differential diagnosis IV. Judgment in determining appropriate care
Course Evaluation:	Evaluation is based on demonstration of diagnostic ability, technical skill, general medical and dermatologic knowledge, and demonstration of other professional characteristics.
Grading:	40% clinical evaluations, 40% final exam score, 15% teaching resident evaluation, and 5% professionalism and participation.

OPHTHALMOLOGY OPHT:8301

Course Director: Pavlina Kemp, MD, 11290-I PFP, 356-2868
Email: pavlina-kemp@uiowa.edu

Interim

Course Coordinator: Tonya Looker, 11290 PFP, 356-2921
Email: tonya-looker@uiowa.edu

Course structure: Clinical Ophthalmology is a two-week outpatient rotation, intended to teach students about diagnosis and management of common eye conditions for the primary care physician. Students are assigned to clinical service at the UIHC Department of Ophthalmology and at the VA Medical Center Eye Clinic. This clerkship is primarily clinical, but there will be at least one opportunity to observe surgery during the clerkship. Each student must complete a series of required clinical encounters. The course website on ICON should be reviewed prior to beginning the rotation. Students must also complete and submit two patient notes via ICON.

Students are required to attend the learning sessions scheduled between 7:30-9:00 am, and read *Basic Ophthalmology Essentials for Medical Student*, in conjunction with viewing recorded lectures covering the Basic Ophthalmology text. The two course textbooks are provided through the clerkship. All students are expected to be in clinic, OR, or independent study unless prior permission is obtained through the course director or coordinator (two-week notice except emergencies or illness).

Grading: Grades are based both on clinical performance, the final examination, attendance at learning sessions and professionalism. Grades may be: Incomplete, Fail, Pass, Near Honors or Honors. The final exam is administered by computer and must be completed at the end of the two-week rotation. Students are allowed two opportunities to pass the final exam. If the exam is failed twice, the student must repeat the entire rotation. To receive their clinical evaluation, the student initiates the release of three to five evaluation forms. One evaluation must be from a faculty or fellow, and additional evaluations by other faculty, fellows or residents. Both the clinical evaluations and the exam must be passed in order to pass the course.

Ophthalmology Electives: Students interested in an ophthalmology career are encouraged to take one four-week Advanced Elective in Ophthalmology at UIHC or Iowa City VA Medical Center. Research in ophthalmology is encouraged and may enhance opportunities for residency applications. However, away rotations at another institution are optional. Additional electives do not enhance the application package and dilute the necessary background in clinical medicine. Interested students should contact Dr. Pavlina Kemp (Associate Director of Residency Education), Dr. Thomas Oetting (Director of Residency Education, thomas-oetting@uiowa.edu), or Dr. Keith Carter (Chair of Ophthalmology, keith-carter@uiowa.edu). Additional information may be found at: <https://medicine.uiowa.edu/eye/education>

ORTHOPAEDICS
ORTH:8301

COURSE DIRECTORS:

Benjamin Miller, MD, 01015 JPP, 356-5535, benjamin-j-miller@uiowa.edu

ADMINISTRATIVE CONTACT:

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

OBJECTIVES: The student will: 1) develop in-depth skill in the physical diagnosis of musculoskeletal conditions, 2) recognize basic conditions involving the musculoskeletal system.

This will be achieved by: 1) The course structure will be two weeks total, to include in-patient and out-patient, 2) conference attendance mandatory, 3) clinical performance is done via an evaluation form by two residents and one attending of team assigned to, 4) final grade is based on examination and clinical performance. If student fails, repeat exam may be taken, 5) NBME subject examination is not used, 6) review required lectures on ICON.

TEAM ASSIGNMENTS:

Silver team = Pathology/Tumor
Silver team = Foot/Ankle
Black team = Sports Medicine
Blue team = Adult Hip and Knee Reconstruction
Green team = Pediatrics
Orange team = Spine, cervical, lumbar, thoracic
VA team = VA Hospital, general ortho problems
Yellow team = Hand, wrist, elbow
Red team = Musculoskeletal Trauma
Pink team = Shoulder

Program Coordinator will email student 2 weeks prior to the beginning of the rotation to ask for team preference. You will be assigned to one team for the rotation and will be required to complete patient Direct Clinical Observation Forms and one 5-hour On-Call shift from 5:00PM to 10:00PM (both will be assigned).

ALL ASSIGNMENTS MADE ON A “FIRST COME, FIRST SERVED” BASIS.

OTOLARYNGOLOGY
Head & Neck Surgery
OTO:8301

Course Director: Jose Manaligod, MD
21166 PFP, 319-353-7848
jose-manaligod@uiowa.edu

Course Coordinator Julie Kobliska
21252 PFP, 319-384-8277
julie-kobliska@uiowa.edu

OBJECTIVES

General:

By the end of the clerkship, the students will demonstrate proficiency in diagnosing and treating common otolaryngologic problems occurring in pediatric and adult patients and recognize when to refer patients to an Otolaryngologist for further management of complicated otolaryngologic conditions.

Specific:

1. Demonstrate proficiency in performing a general otolaryngologic examination with a head mirror.
2. Differentiate a normal appearing tympanic membrane/middle ear space from an abnormal one indicative of a middle ear effusion or other pathologic process.
 3. Recognize the common causes and treatment of conductive and of sensorineural hearing losses.
 4. Know the indications for myringotomy and tube placement.
5. Understand the distinction between “vertigo” and “light headedness” and recognize the otologic causes of vertigo.
6. Differentiate complete from incomplete acute facial nerve paralysis and understand the common causes as well as the medical and surgical treatment options.
 7. Recognize the differences in patient presentation and in management of acute versus chronic sinusitis.
8. Understand the pathophysiology of obstructive sleep apnea syndrome and the current surgical and non-surgical management options.
 9. Understand the common causes of hoarseness.
10. Recognize the predisposing risk factors and common presenting symptoms of squamous cell carcinoma of the head and neck.
 11. Know the indications for performing tonsillectomy and adenoidectomy
12. Understand the common causes of neck/thyroid masses in pediatric and adult patients and recognize the importance of excluding the presence of a malignant process.

STRUCTURE OF THE ROTATION

Four-six students generally rotate at the University Hospital and two students rotate through the VA Hospital. Students at the VA work with the Otolaryngology team there, which is comprised of one junior and one senior resident. At the University, each student will be assigned to a junior resident each week. Although you will work with several faculty members, your assigned residents will be your primary teachers for your two-week rotation. You should acquire good experience in both medical and surgical otolaryngology at both hospitals.

There are five required lectures and a sutures lecture with lab scheduled during your clerkship. The time and days of the lectures will be provided to you via e-mail. Attendance at the lectures is mandatory, unless students are post-call. Students are also required to attend Tumor Board on Friday morning at 6:30 AM in the Otolaryngology Conference Room. You will give a three minute oral presentation during rounds one morning, on the topic of your choice. The topic should be approved by your resident.

CALL

You are required to take in-house call one week night (6 pm – 7 am, excused at noon post-call) or one weekend day/night (7 am – 8 pm) during your two-week rotation. There is no call at the VA, so VA students are to be included in the University call rotation. Students taking weeknight call are allowed to leave at noon the following day.

CLINIC/ROUNDS

Each student should meet with his/her resident each morning for rounds. The time to begin each day is determined by the resident. You will be attending lectures, observing selected cases in the operating room, or working in clinic evaluating patients. When in clinic, you should review the most recent Otolaryngology notes on these patients, obtain a history from them and complete a head and neck examination. The first day, you will see patients together with your resident, then you may evaluate patients independently but, before presenting patients to the attending physician, each patient should be reviewed with your assigned resident. This is important to aid in determining if a patient needs an audiogram or topical anesthesia for endoscopy or cerumen removal prior to being seen by the attending physician to avoid patient delays. The resident, or you, will then discuss the patient with one of our staff doctors, the latter of whom will evaluate the patient with you. You should see one new patient in each clinic. You should record your history and physical examination in the clinic note and indicate in the “staff involved” section that patient was seen by medical student and staff. It is important to identify yourself in the notes to prevent inadvertent, fraudulent, billing of the patient.

Please utilize time efficiently. If appropriate, when a patient who has been examined by a resident is waiting to be evaluated by a faculty member, ask the patient if you also may proceed with a head and neck examination. This will make you more facile with using your head mirror and with completing the otolaryngology examination.

RADIOLOGY
RAD:8301

Course Director: Maheen Rajput, MD
3970-A JPP, phone 384-9828
maheen-rajput@uiowa.edu

Associate Course Director: T. Shawn Sato, MD
3889 JPP, phone 356-7980
shawn-sato@uiowa.edu

Contact Person: Lucy Fasano, MA
3970 JPP, phone 384-9850
Lucy-Fasano@uiowa.edu

Course Structure

The course mission is to teach future clinicians the basics of radiology so that they may better care for their patients. The course presents the basics of diagnostic radiology and nuclear medicine with the emphasis on integrating these into a non-radiologic clinical practice. A specific detailed list of course objectives is presented at the orientation. There is a 7:30 am case review session with a faculty member as well as a morning lecture with a senior resident each day. The remainder of the student's day is spent in rotations through radiology clinical areas, including body, breast, chest, interventional radiology, musculoskeletal, neuroradiology, peds, and nuclear medicine.

Evaluation

The course is graded on an honors/near honors/pass/fail basis. Students are evaluated based on resident evaluation (20%), case-based presentation (15%), all other assignments (10%), ethical and professional behavior (15%), and a final examination (40%) that is based on the course objectives.

Requirements

The main requirement for the course is the student's willingness to take initiative and to ask questions. This is an interactive course in which the student is expected to take responsibility for their own education and to work with the department faculty and staff to ensure a productive learning experience. All other requirements are per the College of Medicine Handbook and will be discussed during orientation.

UROLOGY URO:8301

Course Director:

Amy Pearlman, MD
3228 RCP
amy-pearlman@uiowa.edu

Course Coordinator:

Amy Candelario
3251-B RCP
356-2910
amy-candelario@uiowa.edu

Course Structure:

The urology clerkship is a two-week clinical rotation composed of the following elements:

- 1) Responsibilities in urologic outpatient clinics and inpatient unit. Students are assigned to faculty members each day and attend clinics at the University, VA Hospital, and Iowa River Landing. Surgical cases are performed at the University in the main operating room, the ambulatory surgical center, SFCH, the Urology Clinic, and at the VA hospital. Students should have current VA privileges. Attending daily inpatient rounds is optional.
- 2) Patients notes and seminars. Each student will present a 10-minute talk on a urology topic of their choice to a faculty proctor. Students are also expected to follow given guidelines for writing patient notes that become a permanent part of the patient record.
- 3) Computer exam on course material given on the last day of the clerkship. A score of at least 60% is required to pass the final exam. Students must pass the final exam in order to receive a passing grade for the clerkship. Students who do not pass the final exam at the first sitting will not be eligible for an Honors or Near Honors grade for the clerkship and retest at the earliest opportunity. The exam may be retaken only once. The Urology Department does not utilize the NBME examination.

Special Requirements

Attendance at student orientation on the first morning of the clerkship is mandatory.

Evaluation Process

Evaluations are based on performance in clinical and surgical settings, perceived analytical skills, preparedness, professionalism and interpersonal skills. The final grade is based on faculty evaluations (40%), seminar presentation (10%), patient notes (10%) and final exam (40%).

Recommendations for Advanced Clerkships

An advanced clerkship in urology is recommended for those wishing to pursue urology as a career. Available two-week or four-week-long advanced clerkships include general urology, pediatric urology, urologic oncology, and independent research. Those interested in urology are advised to schedule the clerkship as early as possible in the clinical years to allow maximum flexibility for scheduling an advanced clerkship.