Ambulatory Practice Module (APM)
   Outpatient Internal Medicine
   Family Medicine
   Community-Based Primary Care

Inpatient Internal Medicine
   Pediatrics

Obstetrics & Gynecology
   Surgery

Neurology (4)
Psychiatry (4)

Selectives
   Anesthesia (2)
   Dermatology (2)
   Ophthalmology (2)
   Orthopaedics (2)
   Otolaryngology (2)
   Radiology (2)
   Urology (2)
AMBULATORY PRACTICE MODULE

Description:

The Ambulatory Practice Module is a collaboration among three clerkships—Outpatient Internal Medicine, Family Medicine and Community-Based Primary Care. These three clerkships cooperate in selection and presentation of curriculum while maintaining separate 4-week clinical experiences. Formal curriculum is developed by faculty in all the disciplines and presented as a coordinated unit.

The beginning and end of each of the clinical clerkships consists of Education Days involving all students taking the module. Students will also participate in local case-based learning sessions held at clerkship sites throughout the 12-week period.

All students take Outpatient Internal Medicine in either Iowa City or Des Moines. Family Medicine and Community-Based Primary Care are located in sites away from Iowa City.

While the three clerkships are grouped together in the 12-week module, each clerkship gives a separate final grade. Outpatient Internal Medicine and Family Medicine require a final examination. The Community-Based Primary Care Clerkship requires completion of a community health project. All three require participation in the APM PBA.

Goals of the Module:

Each clerkship develops its own specific objectives, but the goals of the collaboration include:

- The student will review common procedures and skills used in primary care practices.
- The student will integrate multiple clinical practice experiences into an understanding of primary care practice in the community setting.
- The student will observe and discuss basic management techniques for the efficient operation of a primary care practice.
- The student will develop constructive approaches to the evaluation and management of community health challenges such as nutrition and obesity, substance abuse, domestic violence and chronic illness.
- The students will recognize how patterns of community health risk influence the delivery of health services.
- The students will apply preventative strategies in the delivery of primary care services.
- The student will hone skills in clinical communication including motivational interviewing and discussing goals of care.
- The student will learn how principles of geriatrics and chronic disease management are integrated into individual practice settings.
- The student will further their expertise in the evaluation and management of clinical syndromes commonly encountered in primary care.
- The student will participate in and learn about community health resources that support and extend the office-based practice of the primary care physician.
- The student will review recently published clinical research to develop the analytic skills needed to translate its impact on the management of clinical problems.
- The student will find suggestions about how to integrate personal, family, and community life activities into a responsible professional career.
Clerkship Directors:
Ambulatory Practice Module Director: Shawna Westermann MD
Outpatient Internal Medicine: Katie White, MD. MME
Family Medicine: Jill Endres, MD
Community-Based Primary Care: Shawna Westermann, MD

Module structure:
The assignment sequence of clinical clerkships is determined prior to the start of the module. All students are required to attend the Education Days in Iowa City on the first and last day of each four week clerkship block. Students will attend local learning sessions in each clerkship at the assigned locations.

Evaluation:
Each student receives a separate grade for Outpatient Internal Medicine, Family Medicine and Community-Based Primary Care. The Module includes Education Day 6 as an evaluation day. This consists of two final written examinations and a half-day performance-based assessment. Each student is expected to assess the individual practitioners with whom he/she worked, the individual clerkships, the educational content, and the module concept.
OUTPATIENT INTERNAL MEDICINE
IM: 8302
University Hospital, Iowa River Landing and Veterans Administration Medical Center

Clerkship Director: Katie White, MD, MME  
Contact Person: Dana Hartman
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Course Structure: 4 week clerkship with three components (detailed below)

- Ambulatory clinic experience.
- Educational teaching sessions provided by department of Internal Medicine.
- Core curriculum presented during Ambulatory Practice Module education days and teaching sessions during the clerkship.

Clinic Assignments:

- Clinical experiences occur in AM and PM throughout the week. While in clinic, students work one-on-one with faculty. Students will typically see patients independently and then discuss individual patients with the respective staff physicians.
- Each student is assigned and works with the same faculty mentor in a Teaching Clinic one to two times each week during the 4-week experience.
- Students will be assigned to a variety of clinics at 3 different sites: UIHC, Iowa River Landing and Veterans Administration Medical Center.
- Clinic experiences are provided by the following divisions: Allergy/Immunology, Cardiology, Endocrinology, Gastroenterology-Hepatology, General Internal Medicine, Hematology/Oncology, Infectious Disease, Nephrology, Pulmonary, Rheumatology

Classroom Activities:

- Approximately two half days per week students meet with division faculty to discuss core internal medicine training problem.
- One case-based learning session per week is led by the Internal Medicine Teaching Resident.

Orientation:

- Students will be oriented to the clerkship on the first day of the Outpatient Internal Medicine rotation during the Ambulatory Practice Module education day.

Time Off:

- Students will have each weekend free from assigned clinical duties. No overnight call.
- Students are expected to use this time for reflection as well as reading and working on learning issues and other clerkship assignments.

Clerkship Examination:

- On the final Thursday of the 4-week clerkship students will be assessed on the management of two patient problems. This computerized performance-based exam will test a student’s ability to evaluate patients with medical problems relevant to outpatient care.
- Two exams will be administered on the final day of the 12-week Ambulatory Practice Module. Student knowledge, attitudes and skills will be assessed using the national NBME exam covering topics relative to outpatient internal medicine and by a live patient-based assessment (PBA).

Evaluation:

- Students are evaluated, tested, and graded per information distributed on the Outpatient Internal Medicine Clerkship ICON website.
OUTPATIENT INTERNAL MEDICINE, Des Moines
IM:8302
Des Moines Area Medical Education Consortium, Inc.

Local Clerkship Coordinators: Steven Craig, MD and Michael O’Conner, DO
1415 Woodland Avenue, Suite 130
Des Moines, Iowa 50309
515/241-4455
e-mail: steven.craig@unitypoint.org

Local Contact Person: Wendi Kruger
1415 Woodland Avenue, Suite 130
Des Moines, Iowa 50309
515/241-4455
e-mail: wendi.kruger@unitypoint.org

Course Structure: 4 weeks in duration
Students will be assigned to work with members of the ambulatory internal medicine teaching faculty in clinics on the Iowa Methodist campus and at clinics in Ankeny and West Des Moines. In addition, students are assigned periodic experiences in Cardiology, Hematology-Oncology and Infectious Disease each week. Drs. Craig Stark and Eduardo Antezano direct the Cardiology Clinic experience, Dr. Brian Freeman directs the Hematology-Oncology Clinic experience, and Dr. Roshan Lewis directs the Infectious Disease Clinic experience. While in clinic, students will work one-on-one with teaching faculty and will get first contact responsibility in seeing both new patients and established patients.

Weekly Assignments:
- 3 ½ days General Internal Medicine Clinic
- ½ day Cardiology, Hematology-Oncology, or ID Clinic
- ½ day Independent Reading & Studying
- ½ day Classroom Instruction (Case-Based Learning format)

Assigned Reading:
- A copy of the book First Exposure Internal Medicine: Ambulatory Medicine will be provided
- The cases to be discussed in the weekly classroom (CBL) instructional sessions will be provided
- Reading for the assigned CBL cases will be found on the ICON website for this clerkship
- The book IM Essentials is highly recommended – both the text and the accompanying questions are excellent ways to prepare for the shelf exam students will take at the end of the clerkship

Evaluation:
Students will be evaluated graded in the same way as students in Iowa City. Testing for this clerkship includes two virtual patient simulation cases, the ambulatory internal medicine shelf exam, and a PBA case.

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 provided 24/7.
PRECEPTORSHIP IN FAMILY MEDICINE
FAM:8301

Course Director: Jill Endres, MD
353-7175, 01293-D PFP
jill-endres@uiowa.edu

Preceptorship Coordinator: Chris Lake
384-7517, 01293-G PFP
fm-clerkship@uiowa.edu

During your Family Medicine (FM) Preceptorship, you will be spending 4 weeks working with a practicing Iowa family physician in an outpatient medical office. The strengths of this course are: 1) it offers a one-to-one relationship between a medical student and a practicing family physician; 2) the family physicians who participate volunteer because they enjoy teaching and having medical students in their offices; 3) it presents an opportunity for you to participate fully in the practice of family medicine outside the academic medical center; and 4) you are able to select your preceptorship site based on your personal learning goals. The FM Preceptorship shares required didactic activities with the clerkships of Outpatient Internal Medicine and Community-Based Primary Care during the Ambulatory Practice Module 12-week block, which attempts to integrate educational aspects of these disciplines by having joint learning activities. However, each course is a separate course with separate goals, grades and instruction.

Course Goal and Objectives: The goal of the required Family Medicine Preceptorship is to provide third year medical students with a positive experience in a community family practice office, which will give them an opportunity to:

1. Experience continuity of patient care in a community setting,
2. Strengthen their patient communication skills and interact positively with patients,
3. Participate in management of medical problems commonly seen in the family practice office,
4. Participate in health maintenance and patient education activities,
5. Participate in attending to the emotional as well as physical health needs of the patient and family,
6. Learn how to become an effective member of an interdisciplinary health care team,
7. Learn about referrals and consultations with other physicians,
8. Observe office management practices,
9. Explore their potential interest in family practice as a specialty choice, and
10. Develop a relationship with a practicing community family physician.

Setting Up Your Preceptorship:
Your assigned preceptorship will be determined using your personal preferences. This will be done through scheduled sessions by 12-week block. We will be giving you detailed information about how to do this and the dates on which you may do this with your schedule. It is not necessary to contact us prior to receiving this detailed information.
Evaluation:

*Course grade:* Your course grade is based upon: 1) your score on the final examination in Family Medicine, 2) your clinical score on the Preceptor Evaluation Form completed by your preceptor, 3) your score on a Performance-Based Assessment, and 4) a score for a task completion/professionalism category.

*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 form. In addition, we will ask you to complete a LCME required patient checklist.

Community-Based Primary Care
MED:8301

UI Carver College of Medicine Contacts:

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<tr>
<th>Name/Title/Address</th>
<th>Telephone</th>
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<tbody>
<tr>
<td>Shawna Westermann, M.D. Clerkship Director 4633 IRL</td>
<td>319-467-2358</td>
<td><a href="mailto:shawna-westermann@uiowa.edu">shawna-westermann@uiowa.edu</a></td>
</tr>
<tr>
<td>Darin Ritchie Clerkship Coordinator 2133 ML</td>
<td>319-335-8615</td>
<td><a href="mailto:darin-ritchie@uiowa.edu">darin-ritchie@uiowa.edu</a></td>
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Description:
The Community-Based Primary Care Clerkship (CBPCC) is a 4-week required course that is linked with Family Medicine and Outpatient Internal Medicine in the 12-week Ambulatory Practice Module (APM). CBPCC emphasizes clinical skills development and introduces students to the practice of community-based primary care medicine in six communities throughout Iowa. Students divide their time between the physician’s office and the community-at-large. In the office, students work under the direct supervision of a primary care physician and focus on the interaction between the physician and the patients in the community. Community activities focus on health-related resources that help the physician manage the health of individuals and the community. Each student identifies a health problem specific to the community and develops an independent project that describes the impact of the problem, the measures that might solve it, and suggestions for further or improved community action.

Requirement:
Every student must complete the Community-Based Primary Care Clerkship during the first clinical year.

Medical Disciplines:
Physician preceptors are drawn from Family Medicine, Internal Medicine, Obstetrics/Gynecology, and Pediatrics.

Areas of Emphasis:

Clinical
- Development of clinical skills including history, physical examination, observation, and communication
- Health supervision including continuity of care, health promotion, and preventive health care
- Diagnosis and management of common acute and chronic illnesses including appropriate use of laboratory and imaging studies, clinical therapeutics appropriate to the community setting, mental health, responsibility of the patient for personal health, and consultation and referral within the community and outside the community

Community
- Physician and patient as members of a community
- Influences of family, community, and society on health and disease
- Impact of acute and chronic illness and of aging on individuals and the community
- Resources include non-physician medical professionals, public health departments, and community agencies and organizations

Travel/Housing/Meals:
See individual site descriptions.
Communities:
Each practice and each community provides unique clinical and non-clinical experiences and opportunities. Students are assigned to one of the following communities:

- Cedar Rapids
- Davenport
- Des Moines
- Mason City
- Sioux City
- Waterloo

Teaching/Learning:
The Community-Based Primary Care Clerkship immerses the student in the community-at-large, with an emphasis on the medical community. Clinical and community activities occupy approximately equal portions of each student’s time during the clerkship. Weekly learning sessions emphasize the integrated curriculum for the Ambulatory Practice Module, provide opportunities for feedback, and allow advising and counseling about development, progress, and implementation of the independent project.

Primary Care clinical skills are emphasized in the office. Physician preceptors teach about the clinical problems presented by their patients in the context of the practice and the community. In addition, they serve as role models in the office and the community. Preceptors are asked to include students in all of their professional activities, which may include duties outside of the office, and in the evening or on weekends. Non-physician medical professionals also have important roles in the educational process of this clerkship. Students are offered the opportunity to participate in clinical activities at free medical clinics and with special patient populations.

Students in C-BPCC meet on a regular basis with the Faculty Coordinator in each center to discuss clinical experiences, to give and receive feedback, and to discuss other issues as needed.

Weekly learning sessions are held in each Regional Medical Education Center (RMEC). These sessions focus on case-based learning using materials available through ICON. Self-directed learning and problem solving are emphasized individually and within the group.

On-Campus Experiences:
Orientation, “Education Days,” and the final evaluation sessions for the Ambulatory Practice Module are outlined in the block description. Students assigned to CBPCC participate in all of these on-campus activities.

Community Experiences:
Students are assigned to a variety of community agencies, services, and organizations. In addition, opportunities are provided for students to explore the range of these community resources. This latter activity is generally carried out while developing the community health project.

Community Health Project:
Each student selects a topic for the community health project using a variety of resources available at the RMEC and by professional connections in the community. The project requires a literature search and communication with individuals in community-based agencies, services, and organizations. The Faculty Coordinator at each RMEC supervises the project. At the conclusion of the clerkship, each student gives a presentation of the project to fellow students and faculty at the RMEC. The electronic presentation file (PowerPoint) is submitted to the clerkship coordinator.

Evaluation and Grading:
The individual physician preceptors and the Faculty Coordinator evaluate students using the standard Carver College of Medicine clinical skills evaluation form. C-BPCC is graded as Pass/Fail. There is no Honors grade. Students must complete all required course materials and participate in all of the activities of Ambulatory Practice Module to receive a passing grade for C-BPCC.
COMMUNITY-BASED PRIMARY CARE

Site: Cedar Rapids Medical Education Foundation
Cedar Rapids, Iowa

Host Foundation/Consortium
The Cedar Rapids Community-Based Primary Care Clerkship is sponsored by the Cedar Rapids Medical Education Foundation, which is jointly supported by Mercy Medical Center and St. Luke’s Hospital. Faculty and staff of the Cedar Rapids Family Medicine Residency Program, within the Medical Education Foundation, provide direct administrative support for the experience. The Cedar Rapids medical community offers a wide array of organized CME, including noon lectures focused on primary care management of common problems.

Clerkship
I. Clinical Specialties Represented
Preceptors for the experience are Board Certified Family Physicians. Practices vary slightly with some servicing younger groups, others focusing on geriatrics, and others including obstetrics. All offer exposure to all age groups and the wide array of primary care medicine.

II. Community Health Experiences
During the four-week experience students are scheduled for approximately six to ten separate community health experiences, ranging from visiting a cancer patient with a hospice nurse to spending an afternoon in the dialysis center.

III. Training Center Experiences and Resources
A. Content of Weekly Teaching Sessions - Once a week students gather with a faculty member from the Family Medicine Residency at the Center for a group learning session. The topics and curriculum are defined by the Carver College of Medicine. Students are expected to have read any material provided prior to the discussion.

B. Independent Study Project - In addition to the above presentations, the student is required to research a specific community health issue (e.g., teen pregnancy) and present the topic in oral form at the end of the clerkship. The presentation should be no longer than 20 minutes and should focus on local efforts to deal with the problem and any literature supporting specific approaches.

C. Library/Computer Resources - Mercy Medical Center supports an excellent medical library which students are encouraged to use for preparation of their presentations and general medical reading. The Internet is easily accessed through the libraries.

D. Student Support - Students are supported by the faculty and staff of the Family Medicine Residency Program, primarily Cherie Weber and Donal Gordon, MD. Ms. Weber and Dr. Gordon not only serve as primary administrators of the program, but also act as student advocates should any problem arise during the rotation. Students are encouraged to report any concerns as soon as possible.

IV. Lodging
Students commute from Iowa City but should an emergency arise, lodging will be arranged. Some students have stayed in town with family or friends.

V. Meals
There are meals provided at noon conferences. Meals are otherwise the responsibility of the student.

VI. Transportation
In order to fulfill the academic objectives of the course, personal transportation is required and is the responsibility of the student.
COMMUNITY-BASED PRIMARY CARE

Site: Genesis Quad Cities Family Medicine Residency Program
Davenport, Iowa

Host
The Genesis Quad Cities Family Medicine Residency Program is sponsored by Genesis Health Systems and has responsibility for undergraduate, graduate, and continuing medical education in the Quad Cities area. The residency has a model office in Davenport and a rural branch office in Blue Grass. Some Community-Based Primary Care Clerkship clinical activities take place there.

Clerkship
I. Clinical Specialties Represented
Family Medicine

II. Community Health Experiences
Various community agencies will provide an overview of their agency. Objectives: (1) learn what community agencies are available for mentally and physically ill patients; (2) learn the role of national/state/county health care agencies; (3) learn the physician’s role in keeping a community healthy; (4) learn about the care of the geriatric patient; (5) learn about school-based services; (6) learn about services available to meet the emotional and spiritual needs of the patient; and (7) learn about the influences of family, community, and society on health and disease.

Students will visit organizations involving community medicine, occupational medicine, school health services, prevention programs, substance abuse treatment, and mental health services.

III. Training Center Experiences and Resources
Wednesday afternoons will be scheduled for didactic sessions with the Family Medical Center faculty. Sessions will include physician faculty, a clinical pharmacist, a behavioral science instructor, and an educational coordinator.

A. Content: The session will begin with case presentations from students’ preceptor experience. Didactic topics from rotation will then be reviewed. Additional topics may include: ACLS overview; geriatric topics; health maintenance; sports medicine; dermatology; and common infections and their treatment.

B. Library/Resources: The libraries at the Genesis Medical Education Foundation and Genesis Medical Center will be available for regular use. Students will also have access to a computer system to assist in medical topic searches through PubMed and other sources.

C. Student Support: Trish Halligan, Educational Coordinator, is available daily to address questions, concerns, and complaints. There is direct contact with residents and faculty at daily noon conferences and daily one-on-one work with preceptors. Dean Bunting, MD Faculty Coordinator, and Rhonda McInroy, LMSW, and other faculty are available daily to students.

IV. Lodging
Housing will be provided in one of two houses available. The houses are furnished with usual necessities including TV/DVD and cable. The kitchens are equipped with basic appliances. In addition, there is a microwave, toaster, coffee pot, dishes/silverware, and pots/pans. There is an iron, ironing board, a computer with printer and wireless internet connection. Contact Trish Halligan for further information (563) 421-4455.

V. Meals
Cafeteria food at Genesis Medical Center is provided at no charge. Students should display their ID badge and sign a receipt indicating charges to be billed to Genesis Administration.

VI. Transportation
In order to fulfill the academic objectives of the course, personal transportation is required and is the responsibility of the student.
COMMUNITY-BASED PRIMARY CARE

Site: Des Moines Area Medical Education Consortium, Inc.
Des Moines, Iowa

Host Foundation/Consortium
The Des Moines Area Medical Education Consortium, Inc. serves as a regional medical education center for UICCOM and provides a number of third-year clerkships for UICCOM students: CBPCC, Internal Medicine, Ambulatory Care Internal Medicine, Family Medicine, Neurology, Ob/Gyn, Psychiatry, Pediatrics and Surgery. The Consortium office serves as the administrative and educational center for medical students. The Consortium consists of five University of Iowa affiliated teaching institutions — Iowa Methodist Medical Center, Blank Children’s Hospital, Iowa Lutheran Hospital, Broadlawns Medical Center, and the Veterans Affairs Medical Center. These member institutions sponsor residency programs in Internal Medicine, General Surgery, Pediatrics, Transitional Year (2), and Family Medicine (2). The Consortium office is located within the Medical Education and Research building on the campus of Iowa Methodist Medical Center.

Clerkship
I. Preceptor Clinical Specialties Represented: Students spend an average of 1½ to 2 days each week working with an assigned (Family Medicine or Internal Medicine) preceptor.

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The clerkship has four components: Preceptorship, Community-Based Activities, Classroom Activities (including case-based learning sessions), and Community-Based Health Care Project.

II. Community Health Experiences and Community Based Activities: Students go out into the community an average of two to three days per week to participate in the following activities:

- **Geriatrics Experience:** Evaluate and care for a geriatric population. Students learn about geriatric assessment and perform an assessment on an assigned patient at the VA Community Living Center.
- **Iowa Department of Public Health:** Students interact with various departments and learn more about the Department’s disease prevention, disease tracking, and outbreak investigation services.
- **Hospice:** Students will participate in two different hospice activities. One activity is a hospital-based hospice/palliative care service and the other is a residential and home-based hospice care service.
- **Free Medical Clinic and La Clinica:** Students work in both of these free medical clinics under the supervision of volunteer physicians.
- **Sports Medicine:** Students spend one afternoon with a physical therapist/certified athletic therapist evaluating and treating patients with common sports-related injuries.
- **Organ Donor Awareness:** Students meet for one afternoon with a representative from the Iowa Organ Donor Network to learn about “end of life” organ donation decisions for a patient and his or her family, legislative initiatives, and time constraints regarding organ donation.
- **State Medical Examiner:** Students spend a half-day working with physicians and staff in the State Medical Examiner’s office and learn more about crime scene investigations and forensic pathology.
- **Speech Therapy:** Students spend one morning with a certified speech therapist evaluating and treating patients with a variety of speech disorders.
- **Dermatology Procedure Clinic:** Students spend one morning performing biopsies, excisions, and cryotherapy of lesions under the supervision of clinic faculty.
- **Diabetes Education Clinic:** Students spend one afternoon working with nurse and dietician certified diabetes educators counseling and educating patients.
III. Training Center Experiences and Resources:
   - Content of Weekly Teaching Sessions - Once weekly seminars with clerkship coordinators:
     - Non-clinical community-based health care issues (4).
     - Cased-based topics defined by the Ambulatory Practice Module.

   Library/Computer Resources:
   - 24-hour access to the Health Sciences Library is available (located adjacent to the Consortium office). This facility has multiple computers directly linked to Hardin Health Sciences Library and University of Iowa e-mail.

   Student Support: Student support is provided by the Consortium office.

IV. Lodging:
   - Students are provided free housing in a private furnished apartment. The InnTowner apartments are located on the IMMC campus. Free fitness center access in a building adjacent to the InnTowner Apartment facility is also provided.

VI. Transportation:
   - In order to fulfill the academic objectives of the course, personal transportation is required and is the responsibility of the student.
COMMUNITY-BASED PRIMARY CARE

Site: Mercy Medical Center-North Iowa (MMC-NI)
Mason City, Iowa

Host Foundation/Consortium
The Mercy Family Medicine Residency will serve as hosts and coordinators for the University of Iowa’s Community-Based Primary Care Clerkship experience in Mason City. The residency program is sponsored by MMC-NI, a division of the not-for-profit Trinity Health Services. MMC-NI and Trinity have a history of commitment to medical education. In addition to the residency program, the hospital sponsors or is involved with education and training for nurses and nurse practitioners, PA students, pharmacy students, radiology technicians, and other allied health care personnel. They also have been involved with many health-related educational programs for the local community.

Clerkship
I. Clinical Specialties Represented:
   Students who rotate at the Mason City site will be exposed to the clinical specialties of family medicine, pediatrics and internal medicine. The clinical preceptors at the Mason City site are individuals who are experienced at teaching. They have provided excellent training to residents and students in the past and have expressed an interest specifically for involvement in the Clerkship. Students will be provided a schedule of precepting assignments. The students, however, will be responsible for communicating with the preceptor regarding individual goals and interests for the clerkship.

II. Community Health Experiences:
The community agencies involved in the Community-Based Primary Care Clerkship have enthusiastically supported this course and are eager to involve you in the care of their clients. The community health activities will give students exposure to a variety of services related to home health, behavioral services, and nursing homes as well as services for disabled adults, terminally ill, parenting education, and those having addiction problems.

III. Training Center Experiences and Resources:
The training center experiences at the Family Medicine Center will revolve primarily around the case-based learning sessions. These sessions will be held each Wednesday morning. During this time, students will have an opportunity to debrief their experiences from the preceding week. There will also be case-based didactic sessions presented by the Family Medicine Residency faculty. The topics for these discussions will follow the curriculum schedule for the Ambulatory Practice Module. They will also receive feedback on the clinical notes they have written. Students have access to the residency program library. This includes a section of reference materials recommended by the University specifically for the clerkship. Computer terminals and Internet access are also available for student use. Students will also complete a project and present it to faculty at the end of the rotation. Computer resources should be included.

IV. Lodging:
   While in Mason City, students are housed at the Georgetown Apartments. This is located approximately ½ mile from the East Campus. The living room is furnished and a telephone, television, refrigerator, stove, and microwave are provided. Students will be provided one set of sheets and towels. There is a coin-operated laundry facility in the apartment complex and wireless internet.

V. Meals:
The students will be provided meal tickets to be used during their four-week rotation.

VI. Transportation:
In order to fulfill the academic objectives of the course, personal transportation is required and is the responsibility of the student.
COMMUNITY-BASED PRIMARY CARE

Site: Siouxland Medical Education Foundation
Sioux City, Iowa

Host Foundation/Consortium
The Siouxland Medical Education Foundation serves as the center for undergraduate, graduate, and continuing medical education for the region. It has maintained a family medicine residency program for over thirty-five years and has graduated 211 residents. The program is approved for six residents per class and has eight Board-certified faculty members and two Pharm.Ds. The Sioux City medical community provides tertiary care for a large portion of a three-state region, without any competing residency programs. The program is fortunate to have two strong participating hospitals that provide excellent supportive services. The residency program sponsors daily teaching conferences designed and presented by residents, faculty, and other specialty physicians. Clerkship students are invited and encouraged to attend all educational conferences that schedules allow.

Clerkship
I. Clinical Specialties Represented.
Preceptors at our site are family practitioners and pediatricians. Students do spend some time focusing on obstetrics but are not likely to work with an obstetrician as a preceptor.

II. Community Health Experiences.
Students are assigned to visit a variety of community health agencies including Opportunities Unlimited, Siouxland District Health Department, Siouxland Mental Health Services Hospice, the Siouxland Community Health Center, and pre-natal clinics at two local Indian reservations. The directors or their representatives meet with each student to present an overview of the services the agency provides. Whenever possible and appropriate, students see patients at these agencies.

III. Training Center Experiences and Resources.
A. Content of Weekly Teaching Sessions: Weekly teaching sessions occur on Wednesday afternoons during which a variety of activities are planned. These include time for decompression and updates, discussion of interesting cases seen in the past week, and Ambulatory Practice Module topics. Weekly sessions with the Faculty and Educational Coordinators are held in a conference room of the Family Medicine Center.
B. Library/Computer Resources. The students are welcome to use the library maintained for residents at the Family Medicine Center. Also, the two hospitals in Sioux City have libraries and computers which the students are welcome to use. The staff at the hospital libraries are available to offer assistance.
C. Student Support. The Faculty Coordinator and Education Coordinator are available anytime during working hours to consult with the students as necessary. In addition, the other faculty physicians are available to any student who seeks them out for additional support. The clinic administrator is available via telephone after working hours to deal with an emergency situation. In addition, the resident physicians are available to meet informally with the students to offer their insights into the choice of family medicine as a specialty and the residency experience at Siouxland Medical Education Foundation.

IV. Lodging.
Lodging is provided for students who do not plan to stay with relatives or friends. Three upscale units are available in the cultural and social center of the city. During your free time, experience what Sioux City has to offer in walking distance of the United Center housing units. Contact the Education Coordinator for more details about the housing arrangements.

V. Meals.
All meals will be available free of charge at the two hospital cafeterias, and at the Foundation when lunch is served there in conjunction with a noon conference.

VI. Transportation.
In order to fulfill the academic objectives of the course, personal transportation is required and is the responsibility of the student.
COMMUNITY-BASED PRIMARY CARE

Site: Northeast Iowa Medical Education Foundation
Waterloo, Iowa

Host Foundation/Consortium
The Northeast Iowa Medical Education Foundation, affiliated with The University of Iowa Carver College of Medicine, coordinates undergraduate and graduate medical education for the Waterloo/Cedar Falls and surrounding areas. The Foundation operates the Northeast Iowa Family Medicine Residency Program and the Northeast Iowa Family Medicine Center. Faculty, residents, and students care for patients at Unity Point-Allen and Covenant Medical Center.

Clerkship
I. Clinical Specialties Represented:
   Area physicians practicing in the specialties of family medicine, and internal medicine participate in the clerkship, as do the faculty at the Foundation/FPC. Students will spend 3 half-days per week in community physician’s offices or all day depending on the preceptor’s schedule.

II. Community Health Experiences:
   Four to five half-days per week are devoted to community health and didactic sessions. Students have exposure to fourteen community health agencies as a group: Visiting Nurses Association, Wound Clinic at Allen Memorial Hospital, Cedar Valley Hospice, NE13A, Iowa Department of Human Services, AGAPE, John Deere Water Works, Operation Threshold, Horizons, Mental Health Institute, Lutheran Social Services, Black Hawk County Health Department, Rehabilitation at Covenant Medical Center and Thalman Square.

III. Independent Study Project:
   Students prepare and present a comprehensive review of an issue related to primary care. Preparation requires a review of literature and interface with at least two sources outside of the Foundation. Independent study time is allocated for preparation.

IV. Training Center Experiences and Resources:
   A. Content of Weekly Teaching Sessions: Students will meet with Dr. Robert Friedman, Undergraduate Medical Education Coordinator, one afternoon per week. During these sessions, topics provided by the UI Carver College of Medicine will be reviewed. Students are expected to be prepared for these sessions.
   B. Library/Computer Resources: Internet and printer access are available in both the training center (FPC) and student housing. (Access to Hardin library available with HawkID). Core medical volumes are provided to students during their rotation. Access to FPC library provided during business hours Monday through Friday.
   C. Student Support: Students have immediate access to the Undergraduate Medical Education Coordinator and/or the Educational Administrator at all times via phone.

V. Lodging:
   On-site lodging is available for students.

VI. Meals:
   Meal cards are issued allowing the students a daily stipend from hospital cafeterias.

VII. Transportation:
   In order to fulfill the academic objectives of the course, personal transportation is required and is the responsibility of the student.
INPATIENT INTERNAL MEDICINE
IM:8301
University Hospital and Veterans Administration Medical Center.

Clerkship Directors:  Lisa M. Antes, MD  Jane Rowat, MS  Lee Sanders, MD, PhD
E329 GH  E329-2 GH  E300 GH
4-6437  6-2039  6-4113
lisa-antes@uiowa.edu  jane-rowat@uiowa.edu  marion-sanders@uiowa.edu

Contact Person:  Dana Hartman
E330 GH
6-2333
dana-hartman@uiowa.edu

Course Structure:  6 weeks clerkship

Patient Care:  Students on the Inpatient Internal Medicine clerkship divide their time between General Medicine teams at the VA and UIHC and also have the opportunity to work on either a subspecialty team such as Infectious Diseases or Nephrology consult services or one-on-one with the hospitalist team. On the General Medicine services students follow between 2 and 4 patients with responsibility for evaluating their patients on a daily basis, presenting on daily care rounds, and contributing to their patients’ overall care and management (including calling consults, writing orders, checking test results). In addition, students are responsible for documenting admit notes and progress notes and contributing to discharge summaries in the electronic medical record of their patients. Rotating on subspecialty/hospitalist teams allows students to explore the breadth of possibilities available to the practice of internal medicine. By contributing to patient care during the clerkship, students learn the importance of communication and multidisciplinary teamwork.

Education Activities:  Education Days are scheduled approximately every 3 weeks during the 6-week clerkship. On Education Days students will not have patient care activities. Education Days are structured to facilitate learning about Internal Medicine core topics as well as clinical skills including EKG, acid base interpretation, advanced communication skills and ethics. Additional teaching is offered throughout the week and students have the opportunity to attend the daily resident noon conference and department Grand Rounds. Combined conferences with students on the pediatrics clerkship on topics like advanced communication skills, handoffs and IVFs are also offered during the clerkship.

Orientation:
Orientation is held on the first day of the Inpatient Internal Medicine clerkship in which basic aspects of the structure of the clerkship, the teams and patient care are highlighted. In a second orientation scheduled later that first week, requirements/assignments are reviewed in more detail and the practical aspects of E*Value, grading/evaluation and exams are discussed. In addition, a session is held on key aspects of note-writing and presentation, EPIC tips and exam preparation.

Clerkship Examination:
A medical knowledge exam as well as exams to assess clinical reasoning (patient simulation case) and patient care skills (performance-based assessment) are administered during the clerkship. The medical knowledge exam is based on the core topics and clinical skills learned during the clerkship. The clinical reasoning exam assesses the student’s ability to evaluate key features relevant to a chief complaint in five areas: history, physical exam, lab, active problems and plan. Patient care skills and the integration of basic science with communication skills and best practices are evaluated during the performance-based assessment exam.
Time Off:
Students are given every Sunday off unless otherwise arranged with the clerkship directors. Students are also off the day before the knowledge and clinical reasoning exams. In addition, per the Carver College of Medicine Policy students will be off on recognized university holidays.

Evaluation:
An important aspect of skill development is feedback and evaluation. Students are evaluated, tested and graded per the information distributed on the Inpatient Internal Medicine Clerkship ICON site.
Local Clerkship Coordinator: Steven Craig, MD
1415 Woodland Avenue, Suite 130
Des Moines, Iowa 50309
515/241-4455
email: steven.craig@unitypoint.org

Local Contact Person: Wendi Kruger
1415 Woodland Avenue, Suite 130
Des Moines, Iowa 50309
515/241-4455
email: wendi.kruger@unitypoint.org

Course Structure: 6 weeks – General Internal Medicine
Students are assigned to work 3 weeks on the General Internal Medicine Teaching Service at Iowa Methodist Medical Center and 3 weeks on the General Internal Medicine Teaching Service at the Des Moines VA Medical Center. Students are supervised by general internal medicine attending staff physicians and residents from the University of Iowa-Des Moines Internal Medicine Residency Program. Students will work up an average of three new patients each week. Students will be on call (until 9:00 p.m.) four weeknights and two weekend days during the six-weeks. During the clerkship, students will meet one afternoon each week to participate in case-based learning sessions covering core clinical topics. Students will also attend noon and morning conferences held by the Internal Medicine Residency program. Supplemental educational sessions on reading EKGs, solving acid-base problems, and a basic communication curriculum will also be provided.

Assigned Reading:
- A copy of the book First Exposure Internal Medicine: Inpatient Medicine will be provided
- Cases to be discussed in the weekly classroom (CBL) sessions will be provided
- Reading for the assigned CBL cases will be found on the ICON website for this clerkship
- The book IM Essentials is highly recommended as supplemental reading

Evaluation:
Students are evaluated, tested, and graded in the same way as students in Iowa City. The final grade includes a component for timely completion of assignments, evaluations completed by supervising residents and faculty, performance on the required PBA exam, and a two-part examination conducted on the last day of the clerkship. One part of the exam is a Super-List format clinical knowledge examination and the other part is a Virtual Patient Simulation that assesses diagnostic reasoning.

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 AND GYNECOLOGY
OBG:8301

Course Director: Colleen Stockdale, MD, MS
51214 PFP
collen-stockdale@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. Three students per block will be assigned to the Broadlawns campus in Des Moines where they will work alongside practitioners from Broadlawns and Mercy Medical Center.

At UIHC, the clerkship is divided into three segments, each of which is two weeks in duration. During one segment, the students will study both benign gynecology and gynecology oncology. One week is devoted to Benign Gynecology and the second is devoted to in-patient gynecology on the gynecologic oncology service. Students will accompany their teams to the operating rooms, emergency room, conferences, and lectures as directed by their team leaders. Students are expected to make rounds with their teams.

Two weeks are spent rotating through the general and subspecialty out-patient clinics. Here, students will see patients, take histories, and perform physical examinations under the supervision of the residents 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 high and low risk pregnancy on Labor & Delivery and the in-patient OB units. Each student will spend their time on both OB day service and night service. Students will accompany their teams to labor and delivery, clinics, the emergency room, conferences, and lectures as directed by their team leaders.

Running throughout this rotation is a mandatory student lecture series. Students are also expected to attend the weekly grand rounds and morbidity and mortality conference series, which are currently held on Tuesdays from 7:30 - 9:00. Tuesday morning Lab Med lectures occur over the 12 week combined OB/Gyn and Surgery curriculum. Noon lectures are held on the remaining workdays from 12:20- 1:00 pm

A mandatory OB/Gyn-Surgery combined Professional Based Assessment (PBA) is completed week 11 out of the combined block (5% of final grade). Also mandatory, at the end of the rotation, students take a comprehensive written examination authored by the National Board of Medical Examiners. During the 2015-2016 Academic Year, clinical performance comprised 50% of the final grade and with the remaining 45% based on the written examination. The department follows the Dean's Office guidelines of assigning grades of Honors or Near Honors to no less than 40% of the students over the course of the academic year.
OBSTETRICS AND GYNECOLOGY, Des Moines
OBG:8301
Des Moines Area Medical Education Consortium, Inc.

Local Clerkship Coordinator: Larry Lindell, MD
Broadlawns Medical Center
1801 Hickman Road
Des Moines, Iowa 50314
515/282-2200

Local Clerkship Support: Erin Barnes
Broadlawns Medical Center
1801 Hickman Road
Des Moines, Iowa 50314
515/282-2581
ebarnes@broadlawns.org

Course Structure: 6 weeks – Obstetrics and Gynecology
Three students per block complete the clerkship in Des Moines. The clerkship is divided into three segments, each of which is two weeks in duration. During one segment, students will study gynecology in both the outpatient and inpatient setting at Broadlawns and this will include some operative experience. During another segment, students will study 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 perinatology, gynecology oncology, high risk obstetrics, and gynecologic endocrinology experiences.

Students will alternate night and weekend call 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 Dr. Larry Lindell. Students will also present to faculty and their peers on both obstetrics and a gynecology topic of their choosing.

A Mandatory OB/Gyn-Surgery combined Professional Based Assessment (PBA) is completed week 11 out of 12 week combined block at the Iowa City campus (5% of final grade). Also mandatory, at the end of the rotation, students take a Comprehensive written examination authored by the National Board of Medical Examiners. During the 2015-2016 Academic Year, clinical performance comprised 50% of the final grade and with the remaining 45% based on the written examination. The department follows the Dean's Office guidelines of assigning grades of Honors or Near Honors to no less than 40% of the students over the course of the academic year.

Orientation:
Students report to Broadlawns Medical Center at 8:00 am for their orientation coordinated by Erin Barnes.

Housing:
Students are provided free housing in the Inn Towner apartment complex on the IMMC campus. Meals are provided free at Broadlawns.
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, SE Iowa City, and the two Pediatric Associates sites in Iowa City and Coralville), and 2 weeks of a specialty clinic. Clinical Pediatrics and Inpatient Internal Medicine participate in a combined 12-week curriculum. Students are required to attend Pediatric core lectures, didactic sessions, and case conferences. In addition, students are required to attend and participate in combined Pediatric/Inpatient Internal Medicine educational sessions throughout the 12-week curriculum. More information can be found on ICON (http://icon.uiowa.edu).

Orientation
Orientation will take place on the first day of the clerkship and will be held in Zellweger Conference Room (BT 2001 GH). This is an all-day orientation during which 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 (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 will be held the afternoon of the last Friday of the clerkship.

Time Off
Students work Monday through Friday with the exception of the two week inpatient block. During this block, students will come in one day of the middle weekend and round on their patients. Because Pediatrics does not have overnight call, students will have one weekday each week of inpatient with hours from 7:00 am – 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.
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 (Blank Clinic or a Unity Point Clinic) and 1 week in Subspecialty Clinics where students get an exposure to a variety of pediatric subspecialties including; adolescent medicine, endocrinology, hematology/oncology, and pulmonology. Students participate in weekly didactic lectures, small group sessions, case conferences and all pediatric conferences offered to the Pediatric Residents. In addition, students are required to attend and participate in combined Pediatric/Inpatient Internal Medicine educational sessions throughout the 12-week curriculum, which include Ethics, EBM, Disabilities Communication Sessions and Performance- Based Assessments. More information can be found on ICON (http://icon.uiowa.edu).

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 the morning of the last Friday 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 their three weeks on inpatient, and 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, with hours from 7:00 am – 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.
Departmental Contacts

Clerkship Director:
Luis Garcia, MD
Phone 6-3457
1500 JCP
luis-garcia@uiowa.edu

Clerkship Administrator:
Cate Unruh
6-4499
1527 JCP
cate-unruh@uiowa.edu

Clerkship Structure

Surgery is a required six-week experience for junior students that is divided into three two-week team assignments. Students are expected to participate in all clinical activities of the team, including inpatient and outpatient care, procedures, and trauma call. All students will spend at least one 2 week segment on a General surgery team, which includes Emergency General Surgery, GI Surgery, Oncology/Endocrine, Vascular, and the VA teams. The other 2 week segments may also be on a general surgery team, or students may request time on Critical Care/Trauma, Burns, Plastics, Pediatric Surgery, Transplant Surgery, Cardiothoracic, or Neurosurgery.

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 three call nights at UIHC where they will be required to be present and actively participating in all the activities of the general surgery call team. Additionally, the students’ own team 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 the same general work-hour guidelines that apply to residents also apply to medical students.

Teaching sessions occur many afternoons M-F in Ziffren Conference Room (or the Trauma conference, for the hands-on skills sessions). Student case presentations take place on Thursdays over the lunch hour. The student case presentation schedules will be set in advance, but students may trade days by mutual agreement.

Requirements

The Essentials of General Surgery textbook, edited by PF Lawrence, is recommended, along with the chapters from the accompanying sub specialty text for Cardiothoracic, Neurosurgery, and Pediatric Surgery which is available for check-out. This textbook is geared to the learning objectives set forth by the national Association for Surgical Education. Both our examination and the national surgery portion of USMLE Step II are aimed to address these learning objectives. Simply attending the teaching sessions and not reading the book will put students at risk for failing the exam.

Students are required to have certain categories of clinical experiences during their surgery clerkship, which are explained in detail at the beginning of the rotation. Students will log required experiences in PxDx. In some cases, this may require students to spend a half-day in clinic with a different team (eg, Vascular and Oncology). All clinic schedules are provided at the beginning of the rotation.

Students are also required to review at least one patient write-up, two daily notes, and a clinical performance self-evaluation with faculty.
Students are required to participate in the surgery PBA (Performance Based Assessment) and will be scored separately on their clinical skills and their written patient assessments.

The performance based exam will be given the third week of the clerkship. Feedback will include information from the standardized patients on clinical skills and rapport.

**Grades**

We aim for the top 15-20% of the students to receive Honors in Surgery. These students must have both outstanding clinical evaluations and a strong above average exam performance. An additional group of students may be given the designation “Near Honors” such that no more than 40% over the course of the academic year receive a higher grade than “Pass”, in keeping with the collegiate policy.

The clerkship grade is comprised of 100 points for the required elements. These elements are the Surgery shelf exam, clinical evaluations from residents, clinical evaluations from faculty members, the clinical and note-writing portions of the clinical skills assessment (Surgery PBA), case presentation, Clinical Log, and H & P. The minimum passing score for the shelf exam is >64%. You will have 1 additional opportunity to take the surgery exam if you do not pass on the first attempt, but students who fail the first attempt will not be candidates for either Honors or Near Honors. The minimum passing score on the shelf exam is based on the 10th percentile nationally. It is approximately 62%. Students must score at least 70/100 in order to pass the clerkship.
SURGERY, DES MOINES
SURG:8301
Des Moines Area Medical Education Consortium, Inc.

Local Clerkship Coordinator: Peter Tonui, M.D.
1415 Woodland Avenue, Suite 140
Des Moines, Iowa 50309
515 / 241-4076

Local Contact Person: Wendi Kruger
1415 Woodland Avenue, Suite 130
Des Moines, Iowa 50309
515 / 241-4455
email: wendi.kruger@unitypoint.org

Course Structure: 6-week Clerkship
Students will be assigned for 3 weeks to one of the General Surgery teams at Iowa Methodist Medical Center and for 3 weeks to either the Pediatric Surgery team or the Vascular Surgery team at Iowa Methodist. Students will be taught and supervised by Surgery teaching faculty and residents of the Des Moines Surgery Residency Program. Students will follow 3-5 patients and will assist in those cases in the OR and then participate daily in their post-op care. 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 each week for the first four weeks of the clerkship. (Students will return to Iowa City for the PBA, but will take shelf exam in Des Moines.)

Orientation:
Orientation will be provided 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.

Evaluation:
Students will be evaluated, tested and graded in the same way as students in Iowa City. Students will return to Iowa City for the PBA, but will take shelf exam in Des Moines.

Housing:
Students are provided free housing in a private furnished apartment in the InnTowner Apartments located on the campus of Iowa Methodist Medical Center at 1300 Woodland Avenue. Assistance with meals is also provided.
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. Students will choose at least 2 evaluators, one of whom must be an attending. 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
NEUROLOGY, Des Moines
NEUR:8301

Directors: Connie Pieper, MD, Clerkship Director
           Lynn Rankin, MD, Des Moines Site Director

Contact Person: Wendi Kruger
                1415 Woodland Avenue, Suite 130, Des Moines, IA 50309
                515-241-4455
                wendi.kruger@unitypoint.org

Neurology is a required clerkship lasting 4 weeks. Students learn clinical neurology by inpatient and clinic work and case-based conferences. Lectures on topics in both adult and child neurology are scheduled throughout the clerkship. Neurologic examination and diagnosis and localization of neurologic problems are emphasized.

Clinical performance is evaluated by a combination of a final written examination and evaluations completed by attending physicians, approximately 50% each. 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.
PSYCHIATRY
PSYC:8301

Clerkship Director: Anthony Miller, M.D.
anthony-c-miller@uiowa.edu

Associate Clerkship Director: Carissa Gunderson, M.D.
carissa-gunderson@uiowa.edu

Clerkship Coordinator/Contact: Teresa Young
teresa-young@uiowa.edu
319-353-6963

Course Structure. 4 week clerkship.

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.
- 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

Clerkship Director: Anthony Miller, M.D.
anthony-c-miller@uiowa.edu

Local Clerkship Coordinators: Steven Craig, M.D. (Des Moines Area Education Consortium)
steven.craig@unitypoint.org
Janice Landy, M.D. (Broadlawns Medical Center)
jlandy@broadlawns.org

Local Contact Person: Wendi L. Kruger
Wendi.Kruger@unitypoint.org
515-241-4455

Course Structure. 4 weeks duration.

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 some time evaluating patients in the hospital’s busy Psychiatry Emergency Room, completing psychiatric consultations on patients hospitalized on medical and surgery services at Broadlawns, seeing adult patients in an outpatient psychiatry clinic setting, and seeing child and adolescent psychiatry patients with psychiatrists who are broad-certified in child-adolescent psychiatry.

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.
- 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 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.
- A *Jeopardy*-style session will be used as a review of psychopharmacology. An exam preparation session with board-style multiple choice questions will be available on line or via teleconference.
- 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).
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.
OBJECTIVES:

This introductory two week rotation in the Department of Anesthesia will acquaint medical students with the perioperative management of patients.

Students will attend didactic lectures on Monday and Tuesday mornings at 6:30 AM and Case Conferences on Wednesday afternoons from 5:00-6:00 PM. In addition they will receive a series of approximately eight lectures designed specifically for medical students which cover the basic facets of anesthetic management. The didactic material is supplemented with extensive clinical exposure where medical students will have a daily assignment with residents and faculty physicians for a variety of cases. Clinical opportunities are generally provided in the Main Operating Room Suite of the UIHC; however, anesthesia care is also provided at other sites in the hospital including the Urology Department, ECT treatment room, and other satellite locations. Opportunity exists for students to spend time in the Pain clinic and OB.

Students will undergo a computerized examination at the completion of their two weeks and will also be evaluated clinically during the rotation by faculty, residents or CRNAs. The final grade is determined by performance on the computer examination and the clinical evaluations. Students must pass the computer examination to pass the course. This course serves as a prerequisite for Clinical Anesthesia ANES:8401 as well as the Surgical & Neurosciences Intensive Care Unit ANES:8402.

Please contact Lorri Barnes at 4-9273 for information regarding the departmental absence policy, including COC clinics, residency interviews, and UI holidays.

NOTE: The Department of Anesthesia offers an Externship program for students in their senior year. It is recommended that students interested in applying for this program take the ANES:8301 two week Anesthesia rotation during their third year. They must take the Clinical Anesthesia ANES:8401 four week rotation by the end of October in their fourth year.
DERMATOLOGY
DERM:8301

Clerkship Director: Vincent Liu, MD
40035 PFP

Clerkship Contact Person: Cheryl Moores
40027 PFP
356-1694
cheryl-moores@uiowa.edu

Course Structure: Clinical experience in conjunction with computer-based tutorials, lectures, and a hands-on pigs-feet session. Students will rotate through the UIHC Dermatology Clinic and the Iowa City VA Medical Center with the opportunity to participate in inpatient consultations, dermatologic surgery, and the Dermatopathology Service, according to interest and availability.

Course Requirements: NA

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

Course Coordinator: Patricia Zahs, 11196 PFP, 356-4475  
Email: patricia-zahs@uiowa.edu

Questions about scheduling this course may be directed to Patricia Zahs.  
Information about the Ophthalmology Residency Program may be requested from Dr. Kemp, or Keith Carter, MD, 356-2867, email: keith-carter@uiowa.edu; or from Thomas Oetting, MD, 384-9958, email: thomas-oetting@uiowa.edu.  This information is also available on the department web site  
http://www.medicine.uiowa.edu/eye/

Course structure: Clinical ophthalmology is a two-week outpatient rotation. Students are assigned to clinical service at the UIHC Department of Ophthalmology in the Pomerantz Family Pavilion and at the VA Hospital Eye Clinic. The course website on ICON should be reviewed prior to beginning the rotation. The first morning is spent in orientation. There will be at least one opportunity to observe surgery during the clerkship. Each student must complete a Patient History Checklist, which is turned in at the final exam. A faculty, resident, fellow, or technician must verify your competence in the physical exam by initialing and dating the checklist. Students are required to attend the mandatory department seminars scheduled at 8-9 am, and read Basic Ophthalmology for Medical Student and Primary Care Resident in self-study. The two course textbooks are provided through The C.S. O’Brien Library in the lower level of the PFP. All students are expected to be in clinic 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 and on the final examination. 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 or four computerized evaluation forms. One evaluation should be from a faculty member, 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 Ophthalmology Elective at UIHC or at another university. Additional electives do not enhance the application package and dilute the necessary background in clinical medicine. Research in ophthalmology is not necessary, but may enhance opportunities at the most desirable residency programs. Interested students should contact Dr. Kemp, Dr. Oetting (Director of Residency Education), or Dr. Carter (Head of Ophthalmology).
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 a resident and staff 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 FCP handout and a comprehensive handout will be given at your orientation.

TEAM ASSIGNMENTS:

Silver team = Pathology/Tumor and Foot/Ankle
Black team = Sports Medicine and Shoulder
Blue team = Adult Reconstructive (total hip and knee replacements)
Green team = Pediatrics
Orange team = Spine, cervical, lumbar, thoracic
Gray team = VA Hospital, general ortho. problems
Yellow team = Hand
Red team = Musculoskeletal Trauma

Please contact Amy Candelario to find out more information on team assignments. You will be assigned to one team for both weeks. You will be assigned to a 2-hour Casting Session in the Cast Room during the two-week rotation. You may sign up for the On-Call schedule (this is optional).

Clinical Orthopaedics is offering a clinic only assignment with no OR. There is a limit of one student per rotation.

ALL ASSIGNMENTS MADE ON A “FIRST COME, FIRST SERVED” BASIS.
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 postcall) 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 in adverted, 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.
Course Director: Maheen Rajput, MD  
3883 JPP, phone 384-9828  
amaheen-rajput@uiowa.edu

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

Contact Person: Courtney Bork  
3875 JPP, phone 467-5463  
courtney-bork@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 are 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, chest, neuro, pediatrics, musculoskeletal, and nuclear medicine. Text for the course is Learning Radiology: Recognizing the Basics by William Herring which is provided by the Department of Radiology.

Evaluation
The course is graded on an honors/near honors/pass/fail basis. Students are evaluated based on resident evaluation (20%), case presentation (10%), patient observation log (10%), evidence-based presentation (10%), director’s reserve (10%), 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.
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 and the Urology Clinic, and at the VA hospital. Students should have current VA privileges. Students are not expected to attend daily inpatient rounds but are expected to see patients postoperatively when they have participated or observed the surgery.

2) Patients notes and seminars. Each student will present a 12-15 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 retest at the earliest opportunity and will not be eligible for an Honors or Near Honors grade for the clerkship. 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.