Ambulatory Practice Module (APM) (12 weeks total)
   Outpatient Internal Medicine (4)
   Family Medicine (4)
   Community-Based Primary Care (4)

Inpatient Internal Medicine (6)
   Pediatrics (6)

Obstetrics & Gynecology (6)
   Surgery (6)

Neurology (4)
   Psychiatry (4)

Selectives
(Two taken during Core Year, three during Advanced Phase)

   Anesthesia (2)
   Dermatology (2)
   Ophthalmology (2)
   Orthopaedics (2)
   Otolaryngology (2)
   Radiology (2)
   Urology (2)
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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: Brigit Ray, MD
Outpatient Internal Medicine: Katie White, MD. MME
Family Medicine: Jill Endres, MD
Community-Based Primary Care: Brigit Ray, 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. A final exam is required for Outpatient Internal Medicine and Family Medicine. On Education Day 6 students will complete a 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.
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 or Friday of the 4-week clerkship, students will be assessed on their knowledge through the administration of the national NBME Adult Ambulatory exam. This exam covers topics relative to outpatient internal medicine.

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: wendy.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 days General Internal Medicine Clinic
- ½ day Cardiology, Hematology-Oncology, or ID Clinic
- 1 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 that 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: Meggan Riggan-Rocha
384-7517, 01293-G PFP
fm-clerkship@uiowa.edu

During your 4 week Family Medicine (FM) Preceptorship, you will work and learn with a volunteer family medicine faculty physician in an Iowa community practice. You will participate fully in the practice of family medicine outside the academic medical center. You may request preceptorship sites based on your personal learning goals (according to availability). The FM Preceptorship shares required didactic activities with the clerkships of Outpatient Internal Medicine and Community-Based Primary Care during the Ambulatory Practice Module.

Course Goal and Objectives:
This clerkship will provide an outstanding learning experience for all medical students emphasizing the basic tenets of family medicine. Upon completion of the Family Medicine Preceptorship, students will be able to:

1. Define continuity of care.
   1.1 Describe the value of continuity of care in the context of patient outcomes and experiences.
   1.2 Apply continuity of care in the follow-up of patients.
2. Administer comprehensive health care to the patient and family, attending simultaneously to mental and physical health issues.
3. Provide comprehensive care of common acute and chronic conditions in a family medicine setting for patients, including:
   3.1 Gather accurate information,
   3.2 Formulate a prioritized differential diagnosis, and
   3.3 Propose a plan for evaluation and management.
4. Explain the importance of the social and cultural context of health and disease in
   4.1 Individuals.
   4.2 Communities.
5. Apply knowledge of scientific concepts as they pertain to clinical patient care.
6. Apply effective patient communication skills and interact positively with patients.
7. Apply effective counseling skills.
8. Collaborate with other members of the interdisciplinary health care team to maximize the quality care of patients through:
   8.1 Clear oral reports of relevant patient information.
   8.2 Thorough and concise written documentation of patient encounters.
Setting Up Your Preceptorship:
We will make every effort to place students in requested preceptorship sites during scheduled sessions for your block assignment. You will receive detailed information about site selection with your schedule.

Evaluation:

Course grade: Your course grade is based on: 1) final examination, 2) clinical evaluation, 3) Performance-Based Assessment, 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.

COMMUNITY-BASED PRIMARY CARE MED:8301

Clerkship Director: Brigit Ray, MD, MME  
319-384-7957  
brigit-ray@uiowa.edu

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

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 introduces students to the practice of community-based primary care medicine with a focus on the interaction between the physician and the patient in a community-based setting and the integration of community resources available to manage the health of individuals and the community.

Course Structure
During this rotation, students will be based at one of six Regional Medical Education Centers (RMEC) across Iowa. At their site, students will attend case-based didactic sessions led by a Faculty Coordinator with access to a library and other resources. Students will be assigned to a community preceptor and visit local community resources. Student schedules will be appropriated to approximately 40% preceptor clinic in which they will directly see patients; 40% community agency visits in which they will learn about the interaction and integration of local resources into the care of their patients; and 20% cased-based didactic sessions to enhance medical knowledge. Clerkship activities are scheduled between 8:00am and 5:00pm, Monday through Friday.

Course Goals and Objectives:
- The student will demonstrate clinical skills through direct patient care, including history taking and physical examination.
- The student will apply continuity of care, health promotion and preventive health care in developing an appropriate management strategy.
- The student will demonstrate differential diagnosis building pertaining to acute and chronic complaints.
- The student will be able to recommend appropriate laboratory and imaging studies, clinical therapeutics appropriate to the community setting, mental health management, and consultation and referral within a community setting.
- The student will be able to describe the physician's role as a member of the community.
- The student will be able to assess the influences of family, community, and society on health and disease.
- The student will be able to describe the concept of population health and medical home.
- The student will be able to explain how non-physician and medical professionals, public health departments, community agencies/organizations, and other community support systems help provide additional care for patients with specialized needs.
- The student will summarize and explain a specialized need or community resource, and the impact of this service on their community's health.
• The student will demonstrate professionalism in interactions with patients and members of the healthcare team.

**Transportation**
Students will require access to their own vehicle for this clerkship.

**Clinical Assignments**
Students will be assigned to an outpatient physician preceptor drawn from Family Medicine, Internal Medicine, Obstetrics/Gynecology, or Pediatrics. Students may work in clinics alongside residents or medical learners from other programs and institutions.

**Community Experiences**
Students will be scheduled to visit a variety of community agencies. While they will vary between RMECs, all will include:
- Assisted/Nursing Home care
- End of life care/Hospice
- Substance dependency and mental health services
- Family resources
- Rehabilitation
- Chronic disease management
- Community health services/Occupational health resource
- Geriatrics OR special needs population resources

**Case Based Learning**
Students will participate in didactic sessions led by the RMEC Faculty Coordinator each week. The case material will be available on ICON and include:
- Anemia
- Diabetes**
- Hyperlipidemia
- Hypertension**
- Intimate Partner Violence
- Obesity**
- Substance Abuse/Misuse**
- Thyroid Disorders

** Denotes a Carver College of Medicine Exemplar

**Community Research Project**
Each student will identify a health issue specific to the local community and research how it impacts that community and the resources available to address it. Students are expected to conduct literature research and consult with relevant individuals within local community agencies. The Faculty Coordinator at each RMEC supervises the project. In week 4 of the clerkship, students will present their project to fellow students and faculty at the RMEC (approximately 15-20 minutes). The presentation is submitted to the clerkship director and coordinator via ICON.
Feedback and Evaluation
Students receive verbal and written feedback from preceptors on clinical skills through formative direct observation experiences and completion of standardized collegiate observation forms, mid clerkship feedback, clinical note feedback, and a summative clinical evaluation/s. This clerkship is graded as Pass/Fail (there is no Honors grade). Students must complete the following course requirements in order to satisfactorily pass this rotation:

- Attend all scheduled clinics with preceptor
- Attend and participate in all scheduled community agency visits
- Attend and participate in all scheduled Case Based Learning and other didactic sessions
- Complete, present and submit a Community Health Research Project
- Achieve all Required Clinical Encounters (RCEs)
- Submit completed History and Communication Observation, Physical Exam Observation, and Mid Clerkship Self-Assessment and Preceptor Feedback forms
- Complete Preceptor/s evaluation, clerkship evaluation, and request clinical evaluation from Preceptor/s
- Satisfactorily pass the OSCE in week 12 of APM.
COMMUNITY-BASED PRIMARY CARE MED:8301

Site: Cedar Rapids, IA
Host: Cedar Rapids Medical Education Foundation

Faculty Coordinator: Robert Beck, MD, Adjunct Clinical Assistant Professor
Education Coordinator: Cherie Weber

Profile
The Cedar Rapids Medical Education Foundation, which is supported by Mercy Medical Center and St. Luke’s Hospital, is responsible for coordinating CBPCC rotations in Cedar Rapids, and coordinates undergraduate, graduate and continuing medical education in the Cedar Rapids community.

Faculty and Didactic Learning
Case Based Learning and other didactic sessions will be led by CRMEF faculty. Students will also be able to attend residency noon conferences at CRMEF.

Preceptor Clinic/s
- Eastern Iowa Health Center

Community Agencies (students will visit some of these agencies during their rotation):

1. Abbe Center for Community Mental Health, Outpatient Services
2. Aging Services, Inc.
3. American Red Cross
4. ARC of East Central Iowa
5. Area Substance Abuse Council
6. DaVita Dialysis
7. Discovery Living, Inc.
8. Four Oaks
9. Goodwill Industries
10. Grant Wood Area Education Agency
11. His Hands Free Medical Clinic
12. Hospice of Mercy
13. Linn County Public Health Department
14. Linn County Mental Health & Developmental Disability Services
15. Linn Health Services Program
16. Mercy Dialysis Center
17. Mercy Healing Center
18. Wound Clinic & Hyperbaric
19. Mercy Home Care
20. Mercy Joslin Diabetes Center
21. Mercy Dietician Department
22. Mercy Pathology
23. Mercy Women’s Center
24. Mercy Rehabilitation Services
25. Milestones Adult Day Health Center
26. Mission of Hope
27. Options of Linn County
29. Enterostomal Therapy Department
30. St. Luke’s Family Counseling Services
31. St. Luke’s Physical Medicine and Rehabilitation Services
32. St. Luke’s Volunteer Services
33. St. Luke’s Wound and Hyperbaric Center
34. UnityPoint Health Diabetes Nutrition Center
35. UnityPoint at Home Hospice Program
36. UnityPoint at Home - Home Care
Housing, parking and gym
Housing is NOT provided. Students will commute from Iowa City. Free parking is available at CRMEF.

Meals
Meals are NOT provided. However, lunch is provided at noon conferences.

Library and Technology Resources
Students are able to access the Mercy Medical Center medical library. Wifi Internet is available at CRMEF and the medical library.
COMMUNITY-BASED PRIMARY CARE MED:8301
Site: Davenport, IA
Host: Genesis Quad Cities Family Medicine Residency Program

Faculty Coordinator: Dean Bunting, MD, Adjunct Clinical Assistant Professor
Education Coordinator: Trish Halligan

Profile
The Genesis Quad Cities Family Medicine Residency Program is sponsored by Genesis Health Systems and is responsible for coordinating undergraduate, graduate, and continuing medical education in the Quad Cities area.

Faculty and Didactic Learning
Case Based Learning and other didactic sessions will be led by Dr. Bunting and other residency faculty members. Students will also be able to attend residency noon conferences.

Preceptor Clinic/s
- Genesis Family Medical Center, Davenport
- Genesis Family Medical Center, Bluegrass
- Family Care Partners, Davenport

Community Agencies (students will visit some of these agencies during their rotation):
1. CASI-Center for Active Seniors
2. Center for Alcohol and Drug Services
3. Community Health Care & SBIRT
4. Dress for Success
5. Edgerton Maternal Health Center/WIC
6. Family Resources Program
7. Friendly House
8. Genesis Cardiac/ Pulmonary Rehabilitation
9. Genesis Diabetes Care Center
10. Genesis Employee Assistance Program
11. Genesis Outpatient Rehabilitation
12. Genesis Spiritual Care
13. Genesis Visiting Nurse Association: Bright Beginnings
14. Handicapped Development Center
15. Hospice House
16. I-SMILE program SCHD
17. Multidisciplinary Adult Abuse meeting- Scott County DHS
18. Nursing Home
19. Rick’s House of Hope
20. Scott County Health Department
21. Senior Star
22. The Abbey Center
23. VFMHC Pine Knoll

Housing, parking and gym
Housing is provided. Free parking is available at the student housing sites and at the Genesis Family Medical Center. Students will have access to gym facilities.

Meals
Food is provided in the hospital cafeteria free of charge up to a cap per meal. Your University ID badge is required. Lunch is provided at noon conferences.

Library and Technology Resources
Students are able to access libraries at the Genesis Medical Education Foundation and Genesis Medical Center. WiFi internet is available throughout Genesis buildings.
COMMUNITY-BASED PRIMARY CARE MED:8301
Site: Des Moines, IA
Host: Des Moines Area Medical Education Consortium

Faculty Coordinator: Dana Danley, MD, Adjunct Clinical Associate Professor
Education Coordinator: Wendi Kruger

Profile
The Des Moines Area Medical Education Consortium is the branch campus of UICCOM. The following core clerkships are provided: CBPCC, Internal Medicine, Internal Medicine, Family Medicine, Neurology, Ob/Gyn, Psychiatry, Pediatrics and Surgery. The Consortium consists of five affiliated teaching institutions: Iowa Methodist Medical Center; Blank Children’s Hospital; Iowa Lutheran Hospital; Broadlawns Medical Center; and the Veterans Affairs Medical Center.

Faculty and Didactic Learning
Case Based Learning sessions will be led by Dr. Danley. Students will attend a didactic session led by Steven Craig, MD, Adjunct Clinical Professor, and will also be able to attend residency noon conferences at Broadlawns Medical Center.

Preceptor Clinic/s
- Broadlawns Medical Center
- Free Medical Clinic
- UnityPoint Clinic Family Medicine - East Des Moines/La Clinica de la Esperanza
- The Iowa Clinic, Internal Medicine
- UnityPoint Clinic Family Medicine, Kettlestone
- UnityPoint Clinic Family Medicine, Urbandale

Community Agencies (students will visit these agencies during their rotation):
1. Blood-Pressure Screening Clinic
2. VA Community Living Center
3. On With Life – Brain Injury
4. Organ Donor Awareness
5. Palliative Care
6. Social Worker
7. Speech Therapy
8. Sports Medicine & Physical Therapy
9. Iowa Department of Public Health
10. State Medical Examiner
11. Substance Abuse – Detox Clinic at County Hospital
12. Taylor House - Hospice

Housing, parking and gym
Housing is provided at the InnTowner Apartments. Free parking is available at the apartments. Students will have access to a fitness center adjacent to the apartment building.

Meals
Meals are NOT provided. Lunch is provided at noon conferences.

Library and Technology Resources
Students have 24 hour access to the IMMC Health Sciences Library. WiFi internet is available in the apartments, throughout the Consortium campus and at Broadlawns Medical Center.
COMMUNITY-BASED PRIMARY CARE MED:8301
Site: Mason City, IA
Host: Mercy One Medical Center – North Iowa

Faculty Coordinator: Jerrold White, MD, Adjunct Clinical Assistant Professor
Education Coordinator: Tammy Charlston

Profile
The Mercy One Family Medicine Residency coordinates this rotation in Mason City. Mercy One Medical Center also sponsors an Internal Medicine residency program, and provides education and training for nurses and nurse practitioners, PA students, pharmacy students, radiology technicians, and other allied health care personnel.

Faculty and Didactic Learning
Case Based Learning sessions will be led by Dr. White. Students will also be able to attend residency noon conferences.

Preceptor Clinic/s
- Mercy One North Iowa Family Medicine Residency Clinic
- Mercy One Internal Medicine Clinic
- Mercy One Pediatrics and Adolescent Clinic
- Mercy One Family Clinic Clear Lake
- Mercy One Family Clinic Forest Park
- Mercy One Family Clinic Regency
- Anchor Family Health Center

Community Agencies (students will visit these agencies during their rotation):
1. Cerro Gordon Department of Public Health
2. Hospice of North Iowa
3. Mercy One Medical Center – North Iowa Behavioral Services
4. North Iowa Community Action Organization
5. Nursing Home
6. One Vision (formerly Opportunity Village)
7. Prairie Ridge Integrated Behavioral Healthcare

Housing, parking and gym
Housing is provided. Free parking is available at the apartments and on the Mercy One campus. Students will have access to a local fitness center.

Meals
Students are provided with meal tickets that can be used at hospital cafeterias. Lunch is provided at noon conferences.

Library and Technology Resources
Students have 24 hour access to the IMMC Health Sciences Library. WiFi internet is available in the apartments, throughout the Consortium campus and at Broadlawns Medical Center.
COMMUNITY-BASED PRIMARY CARE MED:8301
Site: Sioux City, IA
Host: Siouxland Medical Education Foundation

Faculty Coordinator: Michael Jung, MD, Adjunct Clinical Associate Professor
Education Coordinator: Courtney Greer

Profile
The Siouxland Medical Education Foundation is supported by UnityPoint St. Luke’s Hospital and Mercy One Hospital Sioux City. It serves as the center for undergraduate, graduate, and continuing medical education for the region. The Sioux City medical community provides tertiary care for a large portion of a three-state region.

Faculty and Didactic Learning
Case Based Learning sessions will be led by Dr. Jung. Students will also be able to attend residency noon conferences.

Preceptor Clinic/s
- Siouxland Family Medicine Center
- Family Healthcare of Siouxland
- Siouxland Community Health Center

Community Agencies (students will visit these agencies during their rotation):

1. Hospice of Siouxland
2. Jackson Recovery Center
3. Maternal Health Clinic
4. Macy/Winnebago Pre-natal clinic
5. Opportunities Unlimited
6. Poison Control Center
7. Siouxland Community Health Center
8. Siouxland District Health
9. Siouxland Mental Health

Housing, parking and gym
Housing is provided. Free parking is available at the apartments, residency and hospitals. Students do not have access to a local fitness center, but local gyms provide short term memberships.

Meals
Students are provided with meal access at the hospitals. Lunch is provided at noon conferences.

Library and Technology Resources
Students will have access to residency program Library. WiFi internet is available in the apartments, and at the residency.
COMMUNITY-BASED PRIMARY CARE MED:8301  
Site: Waterloo, IA  
Host: Northeast Iowa Medical Education Foundation  

Faculty Coordinator: Robert Friedman, MD, Adjunct Clinical Associate Professor  
Education Coordinator: Wendy Hudson  

Profile  
The Northeast Iowa Medical Education 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.  

Faculty and Didactic Learning  
Case Based Learning sessions will be led by Dr. Friedman. Students will also be able to attend residency educational conferences.  

Preceptor Clinics  
- Northeast Iowa Family Medicine Center  

Community Agencies (students will visit these agencies during their rotation):  
1. Black Hawk County Health Department  
2. Cedar Valley Hospice  
3. Covenant Home Health  
4. Horizons Substance Abuse  
5. John Deere Tractor Works  
6. Mental Health Institute  
7. NEI3A/Northeast Iowa Area Agency on Aging  
8. Salvation Army  
9. Thalman Square (Western Home Memory Support)  
10. Tysons Meat Packing Plant  
11. Unity Point-Allen Hospital Wound Clinic  
12. WIC/Operation Threshold  

Housing, parking and gym  
Housing is provided. Free parking is available at the apartments, residency and hospitals. Students will have access to a fitness center.  

Meals  
Students are provided with a daily meal allowance at the hospital cafeterias. Lunch is provided at noon conferences.  

Library and Technology Resources  
Students will have access to residency program Library. WiFi internet is available in the housing, residency and hospitals.
INPATIENT INTERNAL MEDICINE IM:8301
University Hospital and Veterans Administration Medical Center

Clerkship Directors: Lisa M. Antes, MD
E329 GH
4-6437
lisa-antes@uiowa.edu
Lee Sanders, MD, PhD
E300 GH
6-4113
marion-sanders@uiowa.edu

Contact Person: Kathleen Steenlage
E328-4 GH
6-2333
kathleen-steenlage@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 such as advanced communication skills, handoffs and IV Fluids 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 Clerx, 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  
steven.craig@unitypoint.org

Local Contact Person: Wendi Kruger  
1415 Woodland Avenue, Suite 130  
Des Moines, Iowa 50309  
515/241-4455  
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.
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 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.

Two weeks are spent rotating through the general and subspecialty out-patient clinics. Students will see patients, take histories, assist with documentation 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 obstetrics on Labor & Delivery and the in-patient antepartum service. Each student will cover both day and night shifts on L & D. Students will accompany their teams to Labor and Delivery, clinics, the emergency room, conferences, and lectures.

Students will also have a continuity provider (physician, nurse practitioner, nurse midwife) with whom they will work with for 6-7 sessions to provide continuity over the 6 week curriculum. This continuity component allows students/faculty 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. Noon lectures are held on the remaining workdays from 12:20 – 1:00 pm.

OBGyn/Surgery combined Education Day will include AM session of Note writing (1 hour), AM and PM sessions include Sexual history taking (3 hours) and abdominal, pelvic and breast examination and evaluation (1 hour each), PM session with surgical coordinator (1 hour). Thus, we review and expand on key concepts introduced during the pre-clinical, as well as OBGYN and Surgery clerkship curricula to ensure all students understand the fundamentals and key components to abdominal, pelvic and breast evaluation as well as communication skills to take a sexual history.

A mandatory Ob/Gyn-Surgery combined OSCE is completed week 11 of the combined rotation (10% of
Also mandatory, at the end of the rotation, students take a comprehensive written NBME subject examination (shelf exam) authored by the National Board of Medical Examiners. Clinical performance and assignments comprised 55% of the final grade and with the remaining 45% based on the shelf examination.
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 rotate through gynecology in both the outpatient and inpatient settings at Broadlawns and 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 perinatology, high risk obstetrics, gynecology oncology, and reproductive endocrinology experiences.

Students will alternate night and weekend shifts with other students which will increase opportunities to participate in deliveries and learn. 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 an obstetrics topic and a gynecology topic of their choosing.

OBGyn/Surgery combined Education Day will include AM session of Note writing (1 hour), AM and PM sessions include Sexual history taking (3 hours) and abdominal, pelvic and breast examination and evaluation (1 hour each), PM session with surgical coordinator (1 hour). Thus, we review and expand on key concepts introduced during the pre-clinical, as well as OBGYN and Surgery clerkship curricula to ensure all students understand the fundamentals and key components to abdominal, pelvic and breast evaluation as well as communication skills to take a sexual history.

A Mandatory OB/Gyn-Surgery combined OSCE is completed week 11 of the combined rotation at the Iowa City campus (10% of final grade). Also mandatory, at the end of the rotation, students take a comprehensive NBME subject examination (shelf exam). Clinical performance and assignments comprised 55% of the final grade and with the remaining 45% based on the written examination.

Orientation:
Students are sent written information from Wendi Kruger on where and when to report for orientation.

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, Scott Blvd in Iowa City, and occasionally 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 two days of the clerkship and will be held in the Pediatric Conference Center on 2 JCP across from elevator F, unless otherwise noted. During this two day orientation, 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.

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.
Clerkship Director, Des Moines: Amy Ferguson MD  
FAAP 1200 Pleasant  
St, Blank 5 Des Moines, IA, 50309  
(515) 241-6339

Executive Assistant, Des Moines: Wendi Kruger  
DMAMEC, UI Branch Campus  
1415 Woodland Ave, Ste 130  
(515) 241-4455

Director, Medical Student Education: Jennifer Jetton MD  
BT 2027 GH, Iowa City  
Pager 4263

Administrator, Medical Student Educ: Cathy Chavez  
BT 2015-22 GH, Iowa City  
(319) 356-7824

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 receive 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
Phone 6-4499
1527 JCP
cate-unruh@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. All students will spend at least one 3 week segment on a General surgery team, which includes Emergency General Surgery, Pediatric Surgery, GI Surgery, and the VA teams. The other 3 week segment may also be on a general surgery team, or students may request time on Trauma, Oncology/Endocrine, Vascular, Burns, Breast, Plastics, Transplant Surgery, or Thoracic surgery.

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 12 hour trauma call on a weekend day 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.

Orientation will consist of multiple sessions including an orientation from surgery residents and a skills session which focuses on surgical knot-tying and suturing.

Teaching sessions occur many mornings in Ziffren Conference Room. Student case presentations take place on the fifth and sixth Mondays. The student case presentation schedules will be set in advance, but students may trade days by mutual agreement. There are also combined education sessions with Ob/Gyn which occur some Tuesday mornings.

Requirements

The 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.

Students are required to have certain clinical experiences during their surgery clerkship, which are explained in detail at the beginning of the rotation. Students are to log their Required Clinical Experiences into E*Value on a weekly basis. In some cases, this may require students to spend a half-day in clinic with a different team (i.e., Vascular and Breast). 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. Feedback will include information from the standardized patients on clinical skills and rapport.

The performance based exam will be given the eleventh week of the combined Surgery/Ob-Gyn clerkship.

The Shelf exam will take place on the sixth Friday. Students are excused from all clinical duties after the exam.

Grades

We aim for the top 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 (35%), clinical evaluations from residents(30%), clinical evaluations from faculty members(20%), PBA(5%), Professionalism (5%) and course assignments; H&P, Midterm Self-Evaluation, Case Presentation, Logging Duty Hours and RCEs(5%). The minimum passing score for the shelf exam is 50%. 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. 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, Suite130. 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.
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. 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.
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:

5) Perform a neurological history and examination. PC01, MK02
6) Formulate a neurological localization and differential diagnosis of common neurological conditions PC02, MK02
7) Understand indications for pertinent neurological diagnostic studies PC03
8) 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. 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 disorders, 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.
ANESTHESIA
ANES:8301

Clerkship Co-Directors: Andrew Feider, MD Sapna Ravindranath, MD
6407 JCP 6415 JCP
356-2633 356-2633
andrew-feider@uiowa.edu sapna-ravindranath@uiowa.edu

Clerkship Contact: Lorri Barnes
6617 JCP
384-9273
lorri-barnes@uiowa.edu

OBJECTIVES:

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

Students will attend department Grand Rounds on Tuesday mornings from 7:00-7:45 AM. In addition they will attend approximately eight PBLD sessions as a follow-up to viewing online pre-recorded lectures which are designed specifically for medical students which cover the basic facets of anesthetic management. Students will also be provided hands-on skills training sessions provided by our simulator center staff and residents as available. 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 other areas such as OB and SFCH as well.

Students will undergo a computerized examination at the completion of their two weeks and will also be evaluated clinically during the rotation by faculty, fellows, or, residents. 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.

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 M2-M3 years. 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, the IRL 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.
OPHTHALMOLOGY
OPHT:8301

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

Course Coordinator:  Michelle R. Snyder, 11290 PFP, 356-2921
Email:  michelle-r-snyder@uiowa.edu

Questions about scheduling this course may be directed to Michelle Snyder.
Information about the Ophthalmology Residency Program may be requested from Dr. Kemp, or
Thomas Oetting, MD, 384-9958,  email:  Thomas-oetting@uiowa.edu, or Keith Carter, MD, 356-2867, email:  keith-carter@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 series of required clinical encounters. Students must also complete and submit two patient notes.

Students are required to attend the learning sessions scheduled between 7:30-9:00 am, and read Basic Ophthalmology Essentials for Medical Student and The Physician’s Guide to Eye Care in conjunction with viewing recorded lectures covering the Basic Ophthalmology text. 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 to five 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).
ORTHOPAEDICS
ORTH:8301

COURSE DIRECTORS:
Charles R. Clark, MD, 01075 JPP, 356-2332, charles-clark@uiowa.edu
Jose A. Morcuende, MD, Ph.D., 01023 JPP, 384-8041, jose-morcunende@uiowa.edu

ADMINISTRATIVE CONTACT:
Amy Candelario, 01016 JPP, 353-7951, amy-candelario@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 MOHD IV lectures available on ICON.

TEAM ASSIGNMENTS:

Silver team = Pathology/Tumor and Foot/Ankle
Black team = Sports Medicine and Shoulder
Blue team = Adult Hip and Knee Reconstruction
Green team = Pediatrics
Orange team = Spine, cervical, lumbar, thoracic
Gray team = VA Hospital, general ortho problems
Yellow team = Hand, wrist, elbow
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 1 to 2-hour Casting Session in the Cast Room during the two-week rotation. You will be assigned to a clinic to complete Direct Clinical Observations. You will be assigned to one 5-hour On-Call shift from 5:00PM to 10:00PM.

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 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

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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, chest, neuro, peds, musculoskeletal, and nuclear medicine. Text for the course is Radiology 101: The Basics and Fundamentals of Imaging 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%), direct observation logs (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, SFCH, the Urology Clinic, and at the VA hospital. Students should have current VA privileges. Students are expected to see patients postoperatively when they have participated or observed the surgery. Attending daily inpatient rounds is optional but required for Honors.

2) Patients notes and seminars. Each student will present a 10-minute talk on a urology topic of his or her 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%). Only students completing morning group rounds will be eligible for Honors.

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.