

**UNIVERSITY OF IOWA
CARVER COLLEGE OF MEDICINE**

PHASE II: CORE / REQUIRED CLERKSHIPS

**COURSE DESCRIPTIONS
2021**

Ambulatory Practice Module (APM) (10 weeks total)

Family and Community Medicine (6)

Outpatient Internal Medicine (4)

Inpatient Internal Medicine (6)

Pediatrics (6)

Obstetrics & Gynecology (6)

Surgery (6)

Neurology (4)

Psychiatry (4)

Selectives

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

Anesthesia (2)

Dermatology (2)

Ophthalmology (2)

Orthopedics (2)

Otolaryngology (2)

Radiology (2)

Urology (2)

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**FAMILY AND COMMUNITY MEDICINE
FAM:8302**

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Course Overview:

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

Course Structure

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

Clinical Assignments

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

Community Experiences

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

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

Transportation

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

Housing

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

Absences and Time Off Policy

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

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

Examples of Requests and Likely Responses (per Student Handbook)

Examples of requests that should be granted:

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

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

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

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

- Car repair
- Haircuts
- Pet related issues

Evaluation

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

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

Course grade

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

Student evaluation of the course

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

Required Text

Smith MA, Schrager S, WinklerPrins V, eds. Essentials of Family Medicine. 7th edition. Wolters Kluwer: Philadelphia, PA: 2018. ***This will be provided to students at Orientation.***

OUTPATIENT INTERNAL MEDICINE IM: 8302

University Hospital, Iowa River Landing and Veterans Administration Medical Center

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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 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.

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Local Contact Person: Wendi Kruger
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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, Endocrinology Hematology-Oncology and Infectious Disease each week. Drs. Nelson Telles and Eduardo Antezano direct the Cardiology Clinic experience, Dr. Divya Pati directs the Endocrinology experience, Dr. Brian Freeman directs the Hematology-Oncology Clinic experience, and Dr. Sudhir Kumar 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, Endocrinology or ID Clinic
- 1 day Independent Reading & Studying
- ½ day Classroom Instruction (Case-Based Learning format)

Assigned Reading:

- 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.
- Additional resources and instruction will be provided to help students prepare for the NBME Adult Ambulatory exam that will be administered on the last Thursday or Friday of the clerkship.

Evaluation:

- Students are evaluated, tested, and graded per information distributed on the Outpatient Internal Medicine Clerkship ICON website.

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.

INPATIENT INTERNAL MEDICINE IM:8301
University Hospital and Veterans Administration Medical Center

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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.

INPATIENT INTERNAL MEDICINE DES MOINES IM:8301
Des Moines Area Medical Education Consortium, Inc.

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Local Clerkship Coordinator:

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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. 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, reading chest and abdominal x-rays, and an advanced communication curriculum will also be provided.

Assigned Reading:

- Topics and cases to be discussed in the weekly classroom sessions will be provided
- Reading for the assigned CBL cases will be found on the ICON website for this clerkship
- Additional resources and instruction will be provided to help students prepare for the final end-of-clerkship exam that will be administered on the last Friday of the clerkship.

Evaluation:

A medical knowledge exam as well as exams to assess clinical reasoning (patient simulation case) and patient care skills (objective structured clinical evaluation) 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 objective structured clinical evaluation.

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

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

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

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

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

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

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

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

**OBSTETRICS AND GYNECOLOGY, Des Moines OBG:8301
Des Moines Area Medical Education Consortium, Inc.**

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

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

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

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

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

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

Orientation and Logistics:

Students are sent written information from Erin Barnes on where and when to report for orientation. Students are provided free housing in the Inn Towner apartment complex on the IMMC campus. Information about housing will be provided by Des Moines Brach Campus Education Coordinator Wendi Kruger. Meals are provided free at Broadlawns.

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

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Pager 4263

Assistant Clerkship Director: Vanessa Curtis MD
BT 2029 GH
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Clerkship Administrator: Cathy Chavez
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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.

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

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Overview

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

Time Off

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

Housing:

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

SURGERY SURG:8301

Departmental Contacts

Clerkship Director:

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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 participate in all the activities of the general surgery call team. Additionally, the students' own teams may work out schedules wherein students may take turns staying late or coming in for off-hours clinical activities. Students and teams should keep in mind that students can work no more than 80 hours per week or an average of 65 hours per week over a four-week period. Students on the core rotation cannot work more than 16 hours per day.

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 throughout the clerkship. Student case presentations take place on the third and fourth Thursdays. 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 participate in the Surgery/Ob/Gyn OSCE 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.

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 (20%), clinical evaluations from faculty members (20%), OSCE (5%), Case Presentation (10%), Professionalism (5%) and course assignments: H&P, Midterm Self-Evaluation, 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.

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[email: wendi.kruger@unitypoint.org](mailto:wendi.kruger@unitypoint.org)

Course Structure: 6-week Clerkship

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

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

Orientation:

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

Evaluation:

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

Grades:

Students will be graded identically to the students completing the clerkship in Iowa City. The top 20% students earn Honors and the next 20% earn Near Honors recognition. Des Moines students perform well on the shelf examination and earn Honors and Near Honors grades with the same frequency as students completing the clerkship in Iowa City.

NEUROLOGY
NEUR:8301

Director: Tracey Cho, MD

Co-Director: Harold Adams, MD

Contact Person: Caroline Martin
8820-20 JPP
384-5094
caroline-martin@uiowa.edu

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

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

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

NEUROLOGY NEUR:8301
Des Moines

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

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

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

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

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

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

PSYCHIATRY
PSYC:8301

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

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

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

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

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

Learning Activities.

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

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

**PSYCHIATRY PSYC:8301
DES MOINES**

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

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

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

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

Learning Activities.

- The core textbook (Black, D and Andreasen, N, *Introductory Textbook of Psychiatry, 6th ed.*, American Psychiatric Publishing, 2014) and supplementary texts are provided for students' use.
- Weekly case conferences on key diagnoses (psychotic disorders, mood disorders, and substance use disorders) will apply material from reading to understanding a current patient's case.
- Simulated patient sessions promote development of advanced interviewing skills in complex patient scenarios (suicide risk assessment, and medically unexplained symptoms).
- Faculty or resident-led didactic sessions on selected topics of psychiatric pathology and therapeutics are available as recordings on Panopto.
- Faculty-led Journal Club will review evidence-based medicine principles in evaluating a psychiatric treatment trial.

- A *Jeopardy*-style session will be used as a review of psychopharmacology. An exam preparation session with board-style multiple choice questions will 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, Objective Structured Clinical Evaluation exercise of simulated patients, 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

Patricia Swenka
40020 PFP
384-5470
patricia-swenka@uiowa.edu

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

Course Requirements: Students must complete a series of seven dermatology tutorials, 20 of 29 virtual dermatology cases, and a writing assignment while on this two-week clerkship. The assignments comprise 15% of students' final grade.

Course Objectives: Students should demonstrate the following:

- I. Skill in obtaining a clinical database
 - A. Clinical history
 - B. Physical examination
 - C. Use of laboratory methods
- II. Ability to present patient information effectively and thoroughly
- III. Competence in generating a differential diagnosis
- IV. Judgment in determining appropriate care

Course Evaluation: Evaluation is based on demonstration of diagnostic ability, technical skill, general medical and dermatologic knowledge, and demonstration of other professional characteristics.

Grading: 40% clinical evaluations, 40% final exam score, 15% teaching resident evaluation, and 5% professionalism and participation.

OPHTHALMOLOGY
OPHT:8301

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

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 clerkship. 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 must 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:

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

Charles R. Clark, MD, 01075 JPP, 356-2332, charles-clark@uiowa.edu

ADMINISTRATIVE CONTACT:

Kelly Schnoebelen, 01029 JPP, 356-3090, kelly-j-schnoebelen@uiowa.edu

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

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

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

OTOLARYNGOLOGY
Head & Neck Surgery OTO:8301

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

Course Coordinator Julie Varner
21151 PFP, 356-2177
Julie-varner@uiowa.edu

OBJECTIVES

General:

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

Specific:

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

STRUCTURE OF THE ROTATION

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

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

CALL

You are required to take in-house call one week night (6 pm – 7 am, excused at noon 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

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

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

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

Course Structure

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

Evaluation

The course is graded on an honors/near honors/pass/fail basis. Students are evaluated based on resident evaluation (20%), case-based presentation (10%), evidence-based presentation (10%), Radiology TEACHES (5%), ethical and professional behavior (15%), and a final examination (40%) that is based on the course objectives.

Requirements

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

UROLOGY URO:8301

Course Director:
Chad Tracy, MD
3235 RCP
chad-tracy@uiowa.edu

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

Course Structure:

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

- 1) Responsibilities in urologic outpatient clinics and inpatient unit. Students are assigned to faculty members each day and attend clinics at the University, VA Hospital, and Iowa River Landing. Surgical cases are performed at the University in the main operating room, the ambulatory surgical center, SFCH, the Urology Clinic, and at the VA hospital. Students should have current VA privileges. Students are expected to see patients postoperatively when they have participated or observed the surgery. Attending daily inpatient rounds is optional.
- 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%).

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.