

# TENTATIVE M3 ELECTIVES CATALOG

2018 - 2019



UNIVERSITY OF ILLINOIS  
COLLEGE OF MEDICINE AT PEORIA

<b>CRITICAL THINKING USING THE SCIENTIFIC METHOD (ELEC 849)</b>			<b>Course Directors</b> S. Asuthkar <sup>1</sup> , K. Fukuchi <sup>2</sup> , S. Lasley <sup>3</sup> , S. Malchenko <sup>4</sup> , K. Veeravalli <sup>5</sup> , E. Zakharian <sup>6</sup>
<b>Address</b> UICOM-P	<b>Phone</b> 309-671-8535	<b>Prerequisites</b> Completion of M2 year Previous lab experience	<b>Location</b> Cancer Biology & Pharmacology Department
<b>Dates Available</b> Flexible	<b>Dates Not Available</b> N/A	<b>Duration in Weeks</b> 4-8	<b>Hours/Week</b> 40 hrs./week (Per One Credit Hour)
<b>Lectures/Seminars</b> Yes	<b>Lab</b> Yes	<b>Outpatient</b> N/A	<b>Inpatient</b> N/A
<b>House Staff</b> N/A	<b>Night Call</b> N/A	<b>Weekends</b> Possible	<b>No. of Students</b> Variable

### NARRATIVE DESCRIPTION

This course is intended to introduce the student to the critical thinking foundations of scientific research, including developing a research proposal, formulating testable hypotheses, collecting reliable and valid data, and preparing written reports of the experimental findings. Critical thinking is intended to cultivate problem-solving skills, nurture the spirit of inquiry, and encourage individualized learning. The elective is designed to encourage expansion of knowledge and self-directed learning, essential components of the scientific research method. Also emphasized are writing and presenting skills necessary for reporting research results, important for interactions with the scientific community.

### RESEARCH AREAS

- Alzheimer's disease<sup>2</sup>
- Alzheimer's disease and brain metabolism<sup>2</sup>
- Alzheimer gene therapy<sup>2</sup>
- Alzheimer's immunotherapy<sup>2</sup>
- Brain tumor animal modeling<sup>1,4</sup>
- Endogenous regulation of inflammatory pain; role of oxytocin on TRPV1<sup>6</sup>
- Epigenetic aberrations including DNA methylation, histone modifications, chromatin remodeling & non-coding cancer<sup>1</sup>
- Introduction to basic and translation research methods in CNS tumors<sup>1</sup>
- Models of neuroinflammation<sup>3</sup>
- Neuroprotection & neurological recovery after gene therapy in ischemic stroke<sup>5</sup>
- Neuroprotection & neurological recovery after stem cell therapy in ischemic stroke<sup>5</sup>
- Nervous system tumors<sup>4</sup>
- Neural stem cells (radial glia)<sup>4</sup>
- Pain perception: nociceptors<sup>6</sup>
- Pain-sensing TRP channels<sup>6</sup>
- Pluripotent stem cells<sup>4</sup>
- Role of immune checkpoints in tumor microenvironment & novel immunotherapy approaches to treat cancer<sup>1</sup>
- Role of TRPM8 in prostate cancer<sup>6</sup>
- Role of testosterone-receptor TRPM8 in sexual and social behaviors<sup>6</sup>

**OBJECTIVES** Upon completion of the Laboratory portion of this elective, the student will be able to:

1. Write a research proposal
2. Conduct research project
3. Write a report of the research

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Periodic conferences to assess progress and discuss problem areas
2. Writing of research proposal
3. Conducting the research project
4. Written report of research project
5. Professionalism
6. Standard evaluation form

<b>CLINICAL SIMULATION (ELEC 272)</b>			<b>Course Director</b> John Vozenilek, M.D.
<b>Address</b> 1306 N. Berkeley Ave. Peoria, IL	<b>Phone</b> 309-308-9578	<b>Prerequisites</b> Completion of M2 Year	<b>Location</b> Jump Trading Simulation & Education Center
<b>Dates Available</b> All Year	<b>Dates Not Available</b> n/a	<b>Duration in Weeks</b> 4	<b>Hours/Week</b> 20-30
<b>Lectures/Seminars</b> 1 per week	<b>Lab</b> Simulation and Innovations	<b>Outpatient</b> Non-clinical	<b>Inpatient</b> Non-clinical
<b>House Staff</b> No	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 4

### **NARRATIVE DESCRIPTION**

This is a non-clinical elective in clinical simulation. The Jump Trading Simulation and Education Center provides an outstanding opportunity for students interested in academic careers to participate in the use of simulation technology to improve patient safety, quality, and to reduce healthcare costs.

The use of simulation technology is steadily progressing within the medical school curriculum and is globally recognized as a major advance in medical education. Simulation has proven to be a valuable and well-accepted tool for improving patient outcomes through intensive training. Jump uses the full spectrum of simulation technologies, from computer simulations and task trainers to complex high-fidelity, whole body simulators.

Simulation provides a forum for the establishment of a high performance standard in technical and professional skills. It permits optimization of teaching and learning by matching learning environments to learner needs and it ensures a uniform learning experience that is not dependent on the serendipity of "good cases."

10-15 hours will be spent in direct contact with simulation, obtaining mastery of key skills useful in the internship year. Students will engage in task training, standardized patient, and high fidelity simulation in the following topic areas; Emergency vascular access, Basic and Advanced Airway techniques, Informed consent, Resuscitation, and Trauma care.

There are three "Tracks" offered which the student must declare before beginning the rotation, and 10-15 hours will be spent in one of the following pursuits:

1. *Educational Track:* The student will participate in the use of simulation in the pursuit of learning objectives. There are three domains of educational practice, cognitive, psychomotor, and affective. Jump will often combine procedural skills with communication and team skills during its training sessions to access those three domains for the learner. Students in this track will create a simulation scenario ( a two page description with learning objectives and measures) which address two of the three domains, targeting medical students as potential learners.
2. *Research Track:* The student will participate in an ongoing quality assurance program designed to evaluate the efficacy of a simulation-based intervention. Jump maintains a portfolio of ongoing quality assurance programs, all of which are tied to key quality and safety goals within the clinical space. Students in this track will produce a two page write up of their findings.
3. *Innovation Track:* The student will participate in the creation of synthetic tissue analogs for a diagnostic or procedural training device. Jump is continuously producing prototypes for training devices using 3-D printing and CAD modeling techniques. Jump maintains a staff with several Bio-Medical Engineers who will facilitate this work. Students in this track will produce or refine a prototype training device.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Describe the process of mastery training for procedural competency.
2. Demonstrate the ability to integrate quality and safety goals into clinical education.
3. Demonstrate competency in the listed procedural and clinical skills.
4. Contribute meaningfully to education, research, or innovation in clinical simulation.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Students will be given daily feedback by the course director based upon the performance of the above tasks.
2. Completion of Student Project consistent with track selection.

**REQUIRED READING/ASSIGNMENTS:**

Articles selected from the files of the course director and Internet resources. A selection of relevant journal articles is available in the office. The reading assigned is project based or based on agreed upon personal goals of the student.

<b>INTRODUCTION TO EMERGENCY MEDICINE</b>			<b>Course Director</b> Victor Chan, D.O.
<b>Address</b> SFMC	<b>Phone</b> <a href="tel:(309)655-6998">(309) 655-6998</a>	<b>Prerequisites</b> Completion of M2 Year	<b>Location</b> SFMC E.D.
<b>Dates Available</b> All Year except for noted	<b>Dates Not Available</b> Week 7/8 of each 8 week block	<b>Duration in Weeks</b> 2	<b>Hours/Week</b> 40
<b>Lectures/Seminars</b> 5 Hours Weekly	<b>Lab</b> No	<b>Outpatient</b> 100%	<b>Inpatient</b> No
<b>Housestaff</b> Yes	<b>Night Call</b> Optional	<b>Weekends</b> Yes	<b>No. of Students</b> 4 UICOMP Students

**NARRATIVE DESCRIPTION**

The main goal of this course is to develop the skills of the M3 student in the diagnosis and management of an undifferentiated patient in an emergency department setting. This course will allow the student to experience and appreciate the unique environment of the ED in the context of providing care, disposition of patients, and the multiple challenges that face patients trying to access care. Students will staff directly with senior emergency medicine residents to help sharpen their history and physical exam skills as well as develop assessment and plan for workup of various patients.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Formulate a differential diagnosis for various complaints from emergency department patients.
2. Discuss the approach and management of common medical emergencies.
3. Improve skills at performing various procedures including: IV insertion, EKG, foley insertion, NG/OG insertion, splinting, wound evaluation and preparation.
4. Demonstrate effective communication skills with patients, their families, and ED physicians and nurses.
5. Demonstrate a fund of knowledge level commensurate with M3 level.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Final exam (approximately 30% of grade).
2. Direct observation of clinical skills by faculty and senior residents (approximately 70% of grade).
3. Participation in weekly conference is mandatory.
4. Procedure log demonstrating procedures observed and performed by student.
5. Conduct and briefly summarize 3 patient follow-ups.
6. Students will be given feedback and evaluation at end of each clinical shift.

**REQUIRED READING**

Reading assigned during elective

**NOTE: CONTACT FOR ELECTIVE ASSIGNMENT**

UICOMP, Department of Emergency Medicine: Jan Fiscus and Christie Perry: [\(309\) 655-6998](tel:(309)655-6998)

<b>M3 CARDIOVASCULAR DISEASES (ELEC TBD)</b>			<b>Course Director</b> Sudhir Mungee, M.D.
<b>Address</b> 530 NE Glen Oak Ave	<b>Phone</b> 309-691-4410	<b>Prerequisites</b> none	<b>Location</b> SFMC
<b>Dates Available</b> All	<b>Dates Not Available</b> N/A	<b>Duration in Weeks</b> 2	<b>Hours/Week</b> 40-50
<b>Lectures/Seminars</b> Daily Conferences	<b>Lab</b> None	<b>Outpatient</b> N/A	<b>Inpatient</b> Yes
<b>House Staff</b> Yes	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 2

### **NARRATIVE DESCRIPTION**

The student will spend two weeks with an assigned attending and/or fellow. Dr Mungee is the coordinator of this course. This subspecialty elective is inpatient based. The students will assist the preceptors in the evaluation of the cardiology consults in the hospital, and participate on the cardiology teaching service. The students will assist in performing a physical exam and formulate a treatment plan based on the patient's history, physical, and psychosocial issues. The students will be able to identify the indications for cardiac catheterizations, stress testing, and echocardiograms in the evaluation of cardiac diseases and have an opportunity to observe cardiac catheterizations, stress testing, and echocardiograms with their preceptors.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Perform an appropriate history and physical exam in a patient presenting with chest pain, shortness of breath and to establish a differential diagnosis and severity with a specific emphasis on the cardiac exam
2. Define indications for and interpret the significance of the results of diagnostic tests such as electrocardiogram, echocardiogram, and stress testing.
3. Describe the signs, symptoms, causes and management of congestive heart failure
4. Describe and define signs and symptoms associated with ischemic cardiac pain, generate a differential diagnosis recognizing specific history and physical exam findings that suggest ischemic chest pain from non-ischemic chest pain.
5. Communicate the diagnosis, treatment plan, and prognosis of the disease to patients and their families, and when appropriate, identify and educate patients about cardiovascular risk factors for disease relative to their age and gender.
6. Students should see patients (as assigned by the preceptor) and present them in an organized format to the preceptor
7. Students should formulate an assessment and plan for the patients they see
8. Students will attend cardiology teaching conferences at St. Francis Medical Center
9. Students will conduct themselves in a professional manner and maintain good working relationships with patients, families, team members and health care professionals

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Daily rounds and student presentations.
2. Standard Clinical Evaluation Form

<b>M3 CRITICAL CARE (ELEC TBD)</b>			<b>Course Director</b> Deepak Taneja, M.D.
<b>Address</b> 530 NE Glen Oak Peoria, IL 61603	<b>Phone</b> 309-672-5682	<b>Prerequisites</b> IM Clerkship	<b>Location</b> MICU 4 <sup>th</sup> Floor, Gerlach SFMC
<b>Dates Available</b> All	<b>Dates Not Available</b> None	<b>Duration in Weeks</b> 2	<b>Hours/Week</b> 40-50
<b>Lectures/Seminars</b> Yes	<b>Lab</b> none	<b>Outpatient</b> No	<b>Inpatient</b> Yes
<b>House Staff</b> Yes	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 1 M3

**NARRATIVE DESCRIPTION**

This rotation, based in the Medical Intensive Care Unit, is designed to provide students with experience with a critically ill population. As a member of the critical care team, the student will participate in the formulation of comprehensive management plans based on an organ system approach. Collaborative practice is emphasized with frequent input from nursing, respiratory therapy and nutritional support services. Teaching will be coordinated through faculty intensivists and pulmonologists and include unit rounds, small group lectures and "hands on" sessions involving new technologies.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Utilize the organ system approach with the critically ill patient.
2. Demonstrate understanding of proper utilization of intravascular devices
3. Display understanding of methods and importance of hemodynamic monitoring
4. Begin to understand the principles and methods of mechanical ventilation
5. Recognize varied techniques for nutritional support
6. Display an understanding of initial evaluation and ongoing care of common IM critical illnesses (e.g. septic, distributive, hypovolemic, cardiogenic shock; encephalopathy; Acute Kidney Injury and Failure; Acute Liver Failure)

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Interactive rounds with assigned residents and attending staff.
2. Standard Clinical Evaluation Form

<b>M3 GASTROENTEROLOGY (ELEC TBD)</b>			<b>Course Director</b> Imran L. Balouch, M.D.
<b>Address</b> 5105 N. Glen Park Place	<b>Phone</b> 309-308-5900	<b>Prerequisites</b> IM clerkship or Surgery clerkship	<b>Location</b> OSF Medical Group Gastroenterology/SFMC
<b>Dates Available</b> All	<b>Dates Not Available</b> None	<b>Duration in Weeks</b> 2	<b>Hours/Week</b> 40-50
<b>Lectures/Seminars</b> Yes	<b>Lab</b> No	<b>Outpatient</b> Potential	<b>Inpatient</b> Yes
<b>House Staff</b> Yes	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 2 (Including M4)

### **NARRATIVE DESCRIPTION**

The student will spend two weeks with the assigned preceptor. Dr Balouch is the coordinator of this course. This subspecialty elective is both inpatient and outpatient based. The students will assist the preceptors in evaluation of the gastroenterology patient consults in the hospital, and may also spend time in the outpatient office seeing patients and learning about the management and diagnosis of common outpatient GI problems. The students will assist in performing a physical exam and formulate a treatment plan based on the patient's history, physical, and psychosocial issues. In addition, the students will also observe and assist their preceptors in the performance of common GI procedures such as colonoscopy, sigmoidoscopy, and EGD. During the course of the rotation, the students are expected to identify the common indications and contraindications to these commonly performed procedures.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Obtain, document and present an appropriate medical history that differentiates among the various causes of gastrointestinal bleeding including gastritis, varices, colon cancer and diverticulosis etc.
2. Perform an appropriate physical exam to establish the diagnosis and severity of a patient presenting with abdominal pain.
3. Define and describe the indications for sigmoidoscopy, barium enema, and colonoscopy, including the identification of individuals at risk for colon cancer.
4. Describe key illness present in the outpatient GI clinic such as irritable bowel syndrome, inflammatory bowel disease, and peptic ulcer disease
5. Identify patients at high risk of developing hepatitis infection and determine when to initiate medical therapy for patients with chronic hepatitis.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Students will be given feedback by the inpatient attending based upon the performance of the above tasks.
2. A composite evaluation of the faculty will be prepared by the course director and using the Standard Clinical Evaluation Form.

<b>M3 GERIATRICS (ELEC TBD)</b>			<b>Course Director</b> Larry Lindahl, M.D.
<b>Address</b> 530 N.E. Glen Oak OSF North Building #5679	<b>Phone</b> 309-696-7880	<b>Prerequisites</b> None	<b>Location</b> SFMC
<b>Dates Available</b> All except where noted	<b>Dates Not Available</b> July, August, December 2018	<b>Duration in Weeks</b> 2	<b>Hours/Week</b> 30-40
<b>Lectures/Seminars</b> Yes	<b>Lab</b> No	<b>Outpatient</b> Yes	<b>Inpatient</b> Yes
<b>House Staff</b> Yes	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 2

### **NARRATIVE DESCRIPTION**

The student will spend two weeks with Dr Lindahl. The student will make inpatient rounds with the geriatrics team Monday through Friday and attend team based learning sessions with the house staff and other learners (e.g. – APN students). One half day session may be available for nursing home rounds. One half day each week will be in attendance at an outpatient geriatric consult clinic to include family discussions and interdisciplinary approach to management of the geriatric patient. The student will be expected to attend M3 lectures and Department of Medicine conferences (e.g. – morning report and noon conference).

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Take a history from a geriatric patient with special emphasis on physical and mental functioning
2. Perform a mental status exam to evaluate confusion and/or memory loss in an elderly patient
3. Identify patients at high risk for falling
4. Discuss the appropriate evaluation for persons presenting with a probable dementia
5. Describe key illness in the elderly like incontinence, osteoporosis, incontinence, urinary tract infection, depression, acute abdomen and thyroid disease, focusing on their often atypical presentation
6. Demonstrate respect to the older patients and make efforts to preserve their dignity
7. Discuss roles of multidisciplinary team members in the care of older patients
8. Demonstrate self-awareness of personal attitudes toward aging and death
9. Demonstrate knowledge of psychosocial issues facing older patients (elder abuse and neglect, home safety, community resources, alternative living situations).

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. The student skills will be assessed primarily by the attending physician based on the performance of the above tasks.
2. Standard Clinical Evaluation Form.

<b>M3 HEMATOLOGY AND ONCOLOGY (ELEC TBD)</b>			<b>Course Director</b> Michael H. Veeder, M.D.
<b>Address</b> 8940 N. Wood Sage Peoria, IL 61615	<b>Phone</b> 309-243-3000	<b>Prerequisites</b> None	<b>Location</b> SFMC and Illinois Cancer Care
<b>Dates Available</b> All	<b>Dates Not Available</b> None	<b>Duration in Weeks</b> 2	<b>Hours/Week</b> 40-50
<b>Lectures/Seminars</b> Yes	<b>Lab</b> Yes	<b>Outpatient</b> Yes	<b>Inpatient</b> Yes
<b>House Staff</b> Yes	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 1

**NARRATIVE DESCRIPTION**

The student will evaluate and assist in the management and treatment of patients with hematologic or oncologic diseases. The student will spend time both in the office setting and in the hospital so as to achieve a balanced view of the care of the oncology patient, likely 1 week in each location. Exposure will be provided in the interpretation of bone marrow aspirations and biopsies. Approaches to the care of the terminally ill patient and the chronically ill patient in pain will also be stressed.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Identify the approach to the diagnosis and treatment of hematologic and oncologic diseases.
2. Recognize the concepts of correct approaches to the care of the terminally and chronically ill patient.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Student's level of competence will be ascertained by daily contact with the attending physician and during ward rounds, lectures, and conferences.
2. Standard Clinical Evaluation Form.

<b>M3 INFECTIOUS DISEASES (ELEC TBD)</b>			<b>Course Director</b> Rone Lin, M.D.
<b>Address</b> 530 N.E. Glen Oak	<b>Phone</b> 309-655-7483	<b>Prerequisites</b> None	<b>Location</b> 530 N.E. Glen Oak
<b>Dates Available</b> All	<b>Dates Not Available</b> None	<b>Duration in Weeks</b> 2	<b>Hours/Week</b> 40-50
<b>Lectures/Seminars</b> Yes	<b>Lab</b> Yes	<b>Outpatient</b> Yes	<b>Inpatient</b> Yes
<b>House Staff</b> Yes	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 2 (including M4s)

### NARRATIVE DESCRIPTION

The student will spend two weeks with an assigned preceptor. Dr Lin is the coordinator of this course. This subspecialty elective is largely inpatient based, but will also have an outpatient component. The students will assist the preceptors in evaluation of the Infectious Disease consults in the hospital and also spend time in the outpatient office (both ID clinics and HIV clinics) observing preceptors and participating in patient care. The students will assist in performing a physical exam and formulating a treatment plan based on the patient's history, physical, and psychosocial issues. During their experience at the HIV clinic, the students should be able to identify community resources available for the care of AIDS patients. The students need to be sensitive to the bioethical and social issues concerning patient confidentiality of HIV infection and maintain a non-judgmental attitude.

**LEARNING GOALS and OBJECTIVES** Upon completion of this elective, the student will be able to:

- Obtain, document and present an appropriate history and physical examination that differentiates the etiology in a patient presenting with fever.
- Describe and discuss the clinical approach to the diagnosis and management of skin and soft tissue infection.
- Identify the common clinical manifestations of infective endocarditis
- Identify and describe the appropriate antibiotics in the management of various infections (infective endocarditis, meningitis and pneumonia)
- Describe signs and symptoms of HIV-related opportunistic infections and HIV-related malignancies
- Develop a treatment plan for patients with HIV infections including antiviral therapy, prophylactic therapy against opportunistic infections.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Daily contact with the infectious disease attending physician during rounds, lectures, and conferences.
2. Standard Clinical Evaluation Form.

<b>M3 NEPHROLOGY (ELEC TBD)</b>			<b>Course Director</b> Anthony Horinek, M.D.
<b>Address</b> 420 NE Glen Oak Ave Peoria, IL	<b>Phone</b> 309-624-8314	<b>Prerequisites</b> IM or Pediatric Clerkship	<b>Location</b> SFMC
<b>Dates Available</b> All	<b>Dates Not Available</b> None	<b>Duration in Weeks</b> 2	<b>Hours/Week</b> 40
<b>Lectures/Seminars</b> Yes	<b>Lab</b> No	<b>Outpatient</b> Potential	<b>Inpatient</b> Yes
<b>House Staff</b> Yes	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 2 total including M4s

### **NARRATIVE DESCRIPTION**

The student will spend two weeks with an assigned preceptor. Dr Horinek is the coordinator of this course. The student will round with the nephrologist on the consult service at SFMC. This subspecialty elective is inpatient based, with potential for outpatient upon discussion with the preceptor. The students will assist the preceptors in rounding on established nephrology patients, as well as assisting in the evaluation of the nephrology consults in the hospital. The students will also participate in dialysis rounds and nephrology didactics as they are offered.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Obtain, document and present an appropriate history and physical examination that differentiates the etiology in a patient presenting with acute renal failure.
2. Describe and discuss the clinical approach to the diagnosis and management of acute kidney injury and chronic kidney disease
3. Identify the common clinical manifestations of uremia
4. Identify and describe the appropriate medical management of patients with ESRD on dialysis
5. Develop a diagnostic approach and treatment plan for patients with proteinuria
6. Develop a diagnostic approach and treatment plan for patients with hematuria

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Qualitative evaluation by the attending nephrologist during and after the rotation.
2. Standard Clinical Evaluation Form.

<b>M3 PULMONARY CONSULT SERVICE – SAINT FRANCIS MEDICAL CENTER (ELEC TBD)</b>			<b>Course Director</b> TBD (Deepak Taneja, M.D.,
<b>Address</b> 530 NE Glen Oak Peoria, IL 61603	<b>Phone</b> 309-655-7257	<b>Prerequisites</b> None	<b>Location</b> SFMC
<b>Dates Available</b> All	<b>Dates Not Available</b> None	<b>Duration in Weeks</b> 2	<b>Hours/Week</b> 40
<b>Lectures/Seminars</b> Yes	<b>Lab</b> No	<b>Outpatient</b> No	<b>Inpatient</b> yes
<b>House Staff</b> Yes	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 1

### **NARRATIVE DESCRIPTION**

The student will work closely with the pulmonary medicine attending and, when available, the resident on the pulmonary service. The student will take an active role in the consultation, evaluation and management of inpatients with a wide variety of pulmonary diseases. The student will obtain proficiency in a pulmonary history and physical examination and be able to formulate a diagnostic and therapeutic plan. Ventilator management and care of intensive care unit patients will be stressed. Basic pulmonary physiology, arterial blood gas analysis, respiratory therapy modalities and pulmonary function testing will be taught.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Obtain a pulmonary disease history and perform a pulmonary evaluation.
2. Recognize pulmonary physiology and arterial blood gas analysis.
3. Identify the various modalities of respiratory therapy.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Contact with the pulmonary physician, APN and resident on the consult service.
2. Standard Clinical Evaluation Form.

<b>SURVEY OF MEDICAL INFORMATICS (ELEC 156)</b>			<b>Course Directors</b> Emily Johnson, MLIS Carmen Howard, MSLS Deborah Lauseng, AMLS
<b>Address</b> One Illini Drive Peoria, IL	<b>Phone</b> 309-671-8490	<b>Prerequisites</b> Completion of M2 year, Passing of Step One exam & completion of one clinical clerkship	<b>Location</b> UICOM Peoria, IL
<b>Dates Available</b> June 2018 to April 2019	<b>Dates Not Available</b> Blocks VII(b), Block VIII(a), and May & June 2019	<b>Duration in Weeks</b> 2	<b>Hours/Week</b> 25-30
<b>Lectures/Seminars</b> Yes - online	<b>Lab</b> Yes - online	<b>Outpatient</b> No	<b>Inpatient</b> No
<b>House Staff</b> No	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 3 per 2-week session <i>Visiting Students:</i> 1 per 2 week session if available. No visiting students July – Sept, & Nov - Jan

### **NARRATIVE DESCRIPTION**

Medical informatics is an interdisciplinary field that deals with resources, devices, and formalized methods for optimizing the storage, retrieval, and management of biomedical information. This course surveys information resources and management tools using a variety of instructional methods including online lectures/seminars, readings, and assessments. Assessment mechanisms include quizzes, short essays, hands-on exercises, and reflective writing. Assignments are designed to build informatics skills and for students to reflect and synthesize the impact informatics will have on their future career. This course is an asynchronous online course best suited to self-directed learners. The goals are to prepare the student for success in residency and practice by providing a foundation in medical informatics.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Define Medical Informatics and explain its component competencies as they relate to various roles in the practice of medicine, including clinical care, research, and lifelong learning.
2. Retrieve, appraise, and apply medical information for clinical decision-making and patient education using a variety of decision support tools and other information resources.
3. Discuss the impact of the electronic health record, government systems/resources, and “big data” on patient care, biomedical research, and practice management.
4. Define health literacy concepts and utilize them in patient education and communication.
5. Develop a personal information management plan that demonstrates basic knowledge of information technologies, tools, and resources.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Class participation.
2. Course quizzes, short essays, hands-on exercises, and reflective writing
3. Timely completion of the elective

### **REQUIRED READING**

Readings are available on the Blackboard course site

<b>GYNECOLOGIC ONCOLOGY (ELEC 638)</b>			<b>Course Director</b> Rebecca Byler Dann, M.D.
<b>Address</b> SFMC Occasionally MMCI	<b>Phone</b> 309-624-5592	<b>Prerequisites</b> Completion of M3 OB/Gyn Clerkship	<b>Location</b> SFMC Occasionally MMCI
<b>Dates Available</b> Selected months <i>(subject to prior approval of faculty)</i>	<b>Dates Not Available</b> Blocks I & II	<b>Duration in Weeks</b> 2-4	<b>Hours/Week</b> 54
<b>Lectures/Seminars</b> Available	<b>Lab</b> No	<b>Outpatient</b> Yes	<b>Inpatient</b> Yes
<b>House Staff</b> Ob/Gyn	<b>Night Call</b> No	<b>Weekends</b> Yes	<b>No. of Students</b> 1

### **NARRATIVE DESCRIPTION**

The student will be exposed to both the outpatient and inpatient management of the patient with dysplastic and malignant gynecological disorders. The student will work directly with a sub specialist in gynecologic oncology. The medical student will become an integral part of the team performing in a role as a sub-intern.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Obtain a comprehensive history and physical from the gynecologic oncology patient.
2. Discuss the differential diagnosis of premalignant and malignant disorders of women.
3. Describe the appropriate use of diagnostic testing in the evaluation of the gynecologic oncology patient.
4. Describe the pre-operative and post-operative management of patients undergoing gynecologic procedures for premalignant and malignant conditions.
5. Discuss the different modalities of therapy available for the treatment of gynecological malignancies including surgery, radiation and/or chemotherapy.
6. Observe surgeries performed by the gynecologic oncology attendings.
7. Attend the outpatient office of gynecologic oncology attendings.

**EXPECTATIONS OF THE STUDENT** The student is expected to:

1. Perform all of the assigned duties.
2. Attend Grand Rounds on Thursday mornings.
3. See all of the assigned patients on a daily basis and write comprehensive SOAP notes.
4. Have all pertinent information about the assigned patients readily available.
5. Actively participate in the management of the patient.
6. Perform literature reviews as requested for presentations.
7. Coordinate the total care of the gynecologic oncology patient.

### **EDUCATIONAL OPPORTUNITIES**

1. Morning Report – The residents meet daily from 0645 to 0715 hours. They discuss various topics in obstetrics and gynecology. This conference is required for the medical student.
2. Daily Patient Rounds – The student is required to attend and participate in daily patient rounds. The time of patient rounds is variable. This will be under the direction of the resident.
3. Grand Rounds – The student is required to attend the weekly Grand Rounds. This conference will be held every Thursday (except July and August) at 0800 hours.
4. Resident and Student Lectures – There are opportunities for formal didactics during the rotation.

### **REQUIRED READING**

As assigned by the resident and/or attending physician.

Reference Text: Clinical Gynecologic Oncology, Disaia.

## **STUDENT EVALUATION**

The grade assigned to the student will be a compilation of input from faculty and residents. Direct observation will be required. The components will include:

1. Communication with patients.
2. Sensitivity to the needs of the gynecologic oncology patient.
3. Willingness to ask for help.
4. Motivation and interest in the subspecialty.
5. Ability to obtain an Ob/Gyn history and perform an Ob/Gyn physical examination.
6. Performance of adequate oral presentations.
7. Demonstration of knowledge base in gynecology and oncology.
8. Independence in patient management decisions.

A final grade will be issued to the Academic Affairs office on a Standard Clinical Form of the University of Illinois College of Medicine at Peoria.

<b>MATERNAL-FETAL MEDICINE (ELEC 637)</b>			<b>Course Director</b> Yolanda Renfro, M.D.
<b>Address</b> 530 N.E. Glen Oak	<b>Phone</b> 309-624-5592	<b>Prerequisites</b> Completion of M3 OB/Gyn Clerkship	<b>Location</b> SFMC
<b>Dates Available</b> Selected months <i>(subject to prior approval of faculty)</i>	<b>Dates Not Available</b> Block VI(b) Block VII(a&b)	<b>Duration in Weeks</b> 2-4	<b>Hours/Week</b> 50
<b>Lectures/Seminars</b> Available	<b>Lab</b> No	<b>Outpatient</b> Yes	<b>Inpatient</b> Yes
<b>House Staff</b> Ob/Gyn	<b>Night Call</b> Optional	<b>Weekends</b> If desired	<b>No. of Students</b> 1

### **NARRATIVE DESCRIPTION**

The student will work directly with obstetric residents and three subspecialists in maternal-fetal medicine on a busy, high-risk obstetric service that includes over 300 maternal transports per year from outlying hospitals, high-risk obstetric clinic, formal teaching sessions two times per week, weekly perinatology conference, daily rounds with one of the faculty and an active fetal ultrasonography service. The student will be responsible for initial work-up, daily patient rounds, and assisting with delivery of pregnant patients with a wide range of medical and obstetrical complications.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Describe obstetric risk factors, medical problems of the high-risk mother and fetus, and appropriate clinical management.
2. Describe appropriate use of the following technologies in the management of the high-risk pregnancy: electronic fetal monitoring, ultrasound, and non-invasive fetal evaluation.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Input from faculty and residents working with student. Written evaluation discussed with student.
2. Standard Clinical Evaluation Form.

### **REQUIRED READINGS**

As assigned.

Creasy, Robert K. & Resnick, Robert, *Maternal-Fetal Medicine*.

<b>REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY (ELEC 925)</b>			<b>Course Director</b> Jacek Graczykowski, M.D.
<b>Address</b> 973 Featherstone Rd, Suite 100 Rockford, IL 61107	<b>Phone</b> 309-689-0411	<b>Prerequisites</b> Completion of M3 OB/Gyn Clerkship	<b>Location</b> OSF St. Francis in Peoria, IL Reproductive Health and Fertility Center in Rockford, IL
<b>Dates Available</b> Selected months <i>(subject to prior approval of faculty)</i>	<b>Dates Not Available</b>	<b>Duration in Weeks</b> 2-4	<b>Hours/Week</b> 40
<b>Lectures/Seminars</b> Available	<b>Lab</b> May have opportunity to see embryology & andrology lab work	<b>Outpatient</b> Yes	<b>Inpatient</b> Yes
<b>House Staff</b> Ob/Gyn	<b>Night Call</b> No	<b>Weekends</b> Maybe, but limited	<b>No. of Students</b> 1

### **NARRATIVE DESCRIPTION**

The student will have the opportunity to experience counseling, work-up, patient management decisions and surgical approaches for the infertile couple as well as other reproductive endocrine problems such as polycystic ovary syndrome, endometriosis, and myomas.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Obtain a comprehensive history and physical from the infertile or reproductive endocrinology patient.
2. Discuss management options for infertility, endometriosis, polycystic ovary disease and other conditions routinely seen by the reproductive endocrinologist.
3. Describe the appropriate use of diagnostic testing in the evaluation of reproductive endocrinology and infertility patients.
4. Describe the pre-operative and post-operative management of surgical patients.

**METHOD OF EVALUATION** The faculty will base their evaluation on (direct observations will be required):

1. Input from the faculty member and residents
  - Communication with patients
  - Sensitivity to the needs of the patient
  - Willingness to ask for help
  - Motivation and interest in the subspecialty
  - Ability to obtain an appropriate history and physical examination
  - Performance of knowledge base in reproduction endocrinology and infertility
  - Independence in patient management decisions
2. Standard Clinical Evaluation Form. The written evaluation will be discussed with the student.

### **REQUIRED READING**

As dictated by patient problems, readings will be selected from:

*Harrison's Principles of Internal Medicine* or *Cecil's Essentials of Medicine*,  
*Nelson's Essentials of Pediatrics*.

<b>ANATOMICAL &amp; CLINICAL PATHOLOGY (ELEC 645)</b>			<b>Course Director</b> Katherine A. Kasper, M.D.
<b>Address</b> 221 N. E. Glen Oak	<b>Phone</b> (309) 672-4918	<b>Prerequisites</b> Completion of M3 Medicine Clerkship	<b>Location</b> UPH - Methodist -Lab
<b>Dates Available</b> Jan – Oct. (With prior approval)	<b>Dates Not Available</b> Nov & Dec	<b>Duration in Weeks</b> <b>4 weeks Only</b> (No 2 week rotations.)	<b>Hours/Week</b> 40
<b>Lectures/Seminars</b> No	<b>Lab</b> Yes	<b>Outpatient</b> No	<b>Inpatient</b> Yes
<b>Housestaff</b> No	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 1

### **NARRATIVE DESCRIPTION**

The student will participate in the daily work of surgical pathology and cytopathology in the laboratory in a pathologist assistant-preceptor role. This course will also give the student an introduction to Clinical Pathology and will cover areas of the clinical laboratory including hematology, blood bank, , microbiology, and chemistry.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Describe the pathologist's role in the clinical laboratory.
2. Describe the basic methodology of the most commonly performed laboratory tests.
3. Explain the work flow in the clinical laboratory.
4. Order appropriate laboratory tests or blood components in a given clinical situation.
5. Describe the process by which a pathologist approaches the problem of tissue and cytologic diagnosis.
6. Identify the salient features of gross pathology as the surgical pathologist sees them.
7. Observe and describe the technical processing of tissues and cytologic samples.
8. Describe some of the common pathologic specimens seen in surgical pathology.
9. Differentiate between benign and malignant tissues and cells by listing identified criteria.
10. Recognize the indications for and uses of frozen sections in surgical pathology.
11. Research a pathology topic and make a presentation.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Individual discussions with the student.
2. Observation and daily contact with the student.
3. Presentation at the conclusion of the elective.
4. Standard Clinical Evaluation Form.

<b>Forensic Pathology ELEC 835</b>			<b>COURSE DIRECTOR J. Scott Denton, M.D.</b>
<b>Address</b>  <b>104 W. Front St, Bloomington, IL</b>	<b>Phone</b>  <b>309-888-5210</b>	<b>Prerequisites</b>  <b>Completion of M2 Year</b>	<b>Location</b>  <b>McLean County Coroner's Office</b>
<b>Dates Available</b>  <b>Year round</b>	<b>Dates Not Available</b> <b>Please contact Pathology</b> <b>for availability</b>	<b>Duration in Weeks</b>  <b>2 to 4 weeks</b>	<b>Hours/Week</b>  <b>40</b>
<b>Lectures/Seminars</b>  <b>none</b>	<b>Lab</b>  <b>Morgue Autopsy Work</b> <b>Full time</b>	<b>Outpatient</b>  <b>N/A</b>	<b>Inpatient</b>  <b>N/A</b>
<b>Housestaff</b>  <b>none</b>	<b>Night Call</b>  <b>If necessary</b>	<b>Weekends</b>  <b>yes</b>	<b>No. of Students</b>  <b>1</b>

### **NARRATIVE DESCRIPTION**

Students will follow a Board certified Forensic Pathologist through a very busy consultant private practice serving Illinois Coroners in central Illinois. The student will review the investigation circumstances of the death; participate in pre-autopsy interactions with police, coroner, deputy coroners, and assist in performing the autopsies in individuals who suffer sudden unexpected death, most commonly of traumatic nature, involving natural, accidental, and suicidal means. The student will view but assist in homicidal investigations and autopsies. The student will choose one of their autopsies to prepare a final examination report discussing the forensic aspects of the investigation, autopsy, ancillary studies, and determining the cause and manner of death. The paper will be submitted as a case report to the Journal of Academic Forensic pathology and will be appropriately referenced and researched.

### **OBJECTIVES**

Upon completion of this elective, the student will be able to:

- Understand how Cause and manner of Death is determined medically and be able to perform this task after completion of the rotation on their own patients who die naturally.
- Understand the pathophysiology of the death of the individual under investigation and postmortem examination.
- Understand the morbid anatomy of the deceased and the pathologic alterations seen at autopsy and learn to apply those principals of anatomy to their own future patients.
- Understand the basic injuries seen in motor vehicle incidents, suicide, drug intoxication, gunshot wounds, medical mishaps, and asphyxia deaths.
- Appropriately, verbally communicate their understanding of the anatomic and pathologic features seen on and within the deceased utilizing the terms of pathology and clinical medicine previously learned.
- Interact in a professional manner with other physicians, coroners, deputy coroners, police, autopsy assistants, and office support staff within the coroner offices.
- Understand that the physician, even in primary care, must learn to interact with the coroner and forensic pathologist when a death occurs, whether they are the attending physician or the deceased or not.

### **METHOD OF EVALUATION**

The faculty will base their evaluation on:

- The student will continually be evaluated by the forensic pathologists so that they meet the above objectives.
- The student will prepare a case report from the first two weeks of their rotation and the case report will be suitable for publication, as described above. Successful completion and credit for the rotation depends on completion of the written report.
- The standard medical school clinical evaluation form will be completed by the course director.

### **REQUIRED READING:**

Selected Topics as assigned related to the relevant daily casework from MedScape Forensic Pathology Section at <https://emedicine.medscape.com/pathology#foresnsic>

<b>PRACTICAL GENERAL PATHOLOGY AND NUCLEAR MEDICINE (ELEC 866)</b>			<b>Course Director</b> Jerome Anderson, D.O.
<b>Address</b> McDonough District Hospital 525 E. Grant St. Macomb, IL	<b>Phone</b> 309-836-1646	<b>Prerequisites</b> Completion of M2 Year	<b>Location</b> Dept. of Pathology and Nuclear Medicine, McDonough District Hospital Macomb, IL
<b>Dates Available</b> All year (with prior approval)	<b>Dates Not Available</b> Please contact Pathology	<b>Duration in Weeks</b> 2	<b>Hours/Week</b> 40
<b>Lectures/Seminars</b> No	<b>Lab</b> Yes	<b>Outpatient</b> No	<b>Inpatient</b> No
<b>House Staff</b> No	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 1

### **NARRATIVE DESCRIPTION**

The student will be given an opportunity to actively participate in the practice of both general anatomic and clinical pathology in a community setting along with general nuclear medicine. Intra-departmental rotations will include surgical pathology (i.e., microscopic slide sign-out sessions), clinical chemistry, blood bank, and microbiology. The student will have the opportunity to observe certain procedures as they are scheduled (e.g., bone marrow biopsies, fine needle aspirations of superficial organs). Time will be allocated for the student to observe injection protocols and imaging techniques for radioisotopes in the nuclear medicine department. Dedicated didactic instruction with a pathologist will take place at least 3-5 times per week to discuss basic concepts of pathology and nuclear medicine, and to review brief reading assignments as part of a structured reading program for the medical students. Room and board will be provided at no cost by the hospital for the entire rotation.

### **OBJECTIVES:**

Upon completion of this elective, the student will be able to:

- Describe the instrumentation and radionuclides used in contemporary nuclear medicine, including gamma ray producing and positron emitting isotopes.
- Describe the process for preparing and interpreting surgical pathology specimens, from specimen acquisition to final signout.
- Participate in the liaison role of the pathologist in assisting the clinician in interpreting laboratory data.
- Practice the skills of microtome and cryostat operation, and microscopic slide preparation.
- Review interesting clinical problems in the different areas of the laboratory as they occur, and be prepared to explain them.
- Describe the role of radioiodine in the treatment of thyroid disease.
- Read short assignments in pertinent textbooks for discussion the next day with pathology staff.
- Assess the role of pathologist/nuclear medicine physician in rural community health care.
- Participate in the gross examination of surgical pathology specimens, as well as the performance and interpretation of aspiration cytology and bone marrow exams.

### **METHOD OF EVALUATION**

The faculty will base their evaluation on:

- Conference between student and Program Director to establish goals.
- Written report of progress submitted to the Pathology Coordinator by Program Director and by student
- at the end of the clerkship (Standard Clinical Evaluation Form).
- Conference between student and Program Director at the end of the program to determine success
- in attaining established goals and potential improvements.

### **REQUIRED READING**

A basic syllabus of short reading assignments for the various sections of the lab will be provided. The textbooks for these reading assignments will be available throughout the rotation.

<b>PEDIATRIC HEMATOLOGY/ONCOLOGY (ELEC 651.2)</b>			<b>Course Director</b> Jaime Libes, M.D.
<b>Address</b> SFMC	<b>Phone</b> 309-624-4945 Contact: Kira Healey	<b>Prerequisites</b> Completion of M3 Pediatrics Clerkship	<b>Location</b> CHOI
<b>Dates Available</b> All Year	<b>Dates Not Available</b> n/a	<b>Duration in Weeks</b> 2-4	<b>Hours/Week</b> 25-30
<b>Lectures/Seminars</b> Yes	<b>Lab</b> Yes/Optional	<b>Outpatient</b> Yes May include regional outreach clinic	<b>Inpatient</b> Yes
<b>House Staff</b> Not usually	<b>Night Call</b> No	<b>Weekends</b> No/Optional	<b>No. of Students</b> 1

### **NARRATIVE DESCRIPTION**

Under the supervision of the three Pediatric Hematologists/Oncologists, the rotating student will receive an intensive exposure to the principles and practice of clinical hematology and oncology. The student will participate in the general Pediatric Hematology and Oncology Clinics, seeing new patients and selected returning patients, and will follow these patients through during the rotation their diagnosis and/or treatment. The student also will participate in the Hemoglobinopathy Clinic. The student will spend a part of the rotation with the inpatient pediatric hematology/oncology and participate in the evaluation and management of inpatients referred for diagnosis and/or treatment of hematologic and oncologic problems. Clinical laboratory experience in hematology and/or coagulation can be arranged at the option of the student. Bench research laboratory experience through the pediatrics department lab at UICOMP may also be arranged. Every student is encouraged to find a project to undertake during their rotation with the aim of publishing in a peer reviewed medical journal or making a presentation in a reputed conference.

### **OBJECTIVES**

#### **Patient Care**

The goals of this rotation are to provide the student with skills that enable him/her to:

1. Manage patients with common hematologic and oncologic problems.
2. Identify when subspecialty assistance for these problems is appropriate.
3. Function as a member of the multi-disciplinary team to optimize patient care.
4. Evaluate and support a patient with a malignancy in all phases of their disease.

#### **Medical Knowledge**

The goals of this rotation are to expose the student to a wide variety of hematologic and oncologic diseases through patient contact, case discussions, lectures, and self-directed study.

#### **Practice-Based Learning**

The goals of this rotation are to allow the student to

1. Be exposed to a wide variety of hematologic and oncologic diseases through patient contact, case discussions, lectures, and self-directed individual readings.
2. Conduct literature searches and be encouraged to write articles on appropriate patient cases or medical topics.

#### **Interpersonal and Communication Skills**

The rotating student will be trained in

1. Collaborating with members of the multi-disciplinary team while caring for children with chronic blood disorders or

malignant conditions.

2. Guiding primary care physicians.
3. Consulting physicians and health care professionals as needed
4. Maintain comprehensive, timely and legible records.

### **Professionalism**

Includes

1. Completion of appointed patient care duties.
2. Complete and timely documentation in the medical records.
3. Demonstration of compassion and respect for both team members and patients.
4. Respect patient privacy and autonomy.
5. Demonstrate accountability to both patients and team members.
6. Demonstrate sensitivity to diverse cultural backgrounds.

### **Systems-Based Practice**

While providing care for children with hematologic and oncologic disorders, residents are expected to:

1. Work effectively in both inpatient (CHOI) and outpatient (St. Jude Midwest Affiliate Clinic) settings.
2. Coordinate patient care between the two settings by interaction with specialty attendings and the inpatient resident team.
3. Advocate for quality patient care
4. Incorporate consideration of cost awareness and risk-benefit analysis while caring for this specialized patient population.
5. Work with the interdisciplinary team to ensure and enhance patient safety.
6. Participate in identifying system errors and developing solutions for these errors.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Clinical skills.
2. Analysis of clinical data.
3. Knowledge base.

### **REQUIRED READING:**

Students will be directed to suitable text books and papers to read during their rotation.

<b>PEDIATRIC INTENSIVE CARE UNIT (ELEC 689)</b>			<b>Course Director</b> Anil Swayamkapula, M.D. Mina Hafzalah, M.D.
<b>Address</b> OSF St. Francis Medical Center Children's Hospital of Illinois	<b>Phone</b> 309-624-0716 Contact: Deanna Klumb	<b>Prerequisites</b> End of M3 year, at least 2 months of in-patient exposure	<b>Location</b> Pediatric Intensive Care Unit at CHOI OSF SFMC
<b>Dates Available</b> All Year	<b>Dates Not Available</b> n/a	<b>Duration in Weeks</b> 2	<b>Hours/Week</b> 50
<b>Lectures/Seminars</b> Yes	<b>Lab</b> No	<b>Outpatient</b> No	<b>Inpatient</b> Yes
<b>House Staff</b> Yes	<b>Night Call</b> Optional	<b>Weekends</b> Optional	<b>No. of Students</b> 1 (M3 or M4 student)

### **NARRATIVE DESCRIPTION**

This elective provides the M4 with the opportunity to learn to manage critically ill pediatric patients in a supervised environment. The student will be assigned several patients to admit and follow. He/she will become skillful at organizing the patient's multiple problems and understanding the pathophysiology of respiratory failure and multi-system failure. There will be opportunities for research during the course of the elective.

### **OBJECTIVES**

<b>Objectives</b>	<b>PC</b>	<b>MK</b>	<b>PBL</b>	<b>ISC</b>	<b>PRO</b>	<b>SBP</b>
Familiarize with fluid-electrolytes, metabolic and renal disorders, trauma, nutrition, cardio-respiratory management, infection control	✓	✓	✓			✓
Recognize congenital anomalies presenting in critical care unit & communicate with family	✓	✓		✓		
Recognize isolated and multiple organ system failure & interact with team and family	✓	✓	✓	✓		✓
Perform clinical assessment to formulate management plan for critically ill patient	✓	✓		✓		✓
Familiarize invasive and noninvasive techniques for monitoring and supporting pulmonary, cardiovascular functions	✓	✓	✓			
Participate in decision making in admitting, discharge, and transfer of patients in the intensive care units and communicate with colleagues, primary care provider and family	✓	✓	✓	✓	✓	✓
Understand the role of general pediatrician and the intensivist in perioperative management of surgical patients	✓	✓		✓	✓	✓

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Day-to-day observation and critique of patient care.
2. Demonstrated ability to organize complicated patients and their problem.
3. Feedback from the resident's colleagues in Pediatric ICU: Nurse Practitioners, Nursing Staff, and Family Members.
4. Standard Clinical Elective Evaluation Form.

### **REQUIRED READING**

Selected readings from various medical journals to be provided by the Course Director.

<b>OPHTHALMOLOGY (ELEC 639.1)</b>			<b>Course Director</b> William I. Bond, M.D.
<b>Address</b> 6800 N. Knoxville, Peoria 725 S. 14 <sup>th</sup> St., Pekin	<b>Phone</b> 309-692-2020	<b>Prerequisites</b> Completion of M2 Year	<b>Location</b> OSF Pekin Hospital
<b>Dates Available</b> All year except V(a)	<b>Dates Not Available</b> V(a)	<b>Duration in Weeks</b> 2	<b>Hours/Week</b> 35
<b>Lectures/Seminars</b> Yes	<b>Lab</b> No	<b>Outpatient</b> Yes	<b>Inpatient</b> Yes
<b>House Staff</b> No	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 1*

*\*One student total allowed in this elective, M4 students get priority to seat.*

### **NARRATIVE DESCRIPTION**

The course will acquaint the student with the clinical practice of ophthalmology. The experience will center around outpatient private office care of patients and will include exposure to ocular surgery. The course is designed to prepare the student to diagnose common ocular disorders and recognize ocular manifestations of systemic disease. Emphasis will be placed on the differentiation of those conditions appropriately handled by the non-ophthalmologist from those requiring specialty care. The management of common eye disorders will be stressed. The course provides an opportunity to improve the skills of physical diagnosis of the visual system.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Describe indicators of when to refer patients to an ophthalmologist.
2. Perform an orderly eye examination, including proper use of the ophthalmoscope.
3. Examine a patient with red eye and initiate management when appropriate.
4. Evaluate pupillary abnormalities.
5. Evaluate visual field abnormalities.
6. Detect and describe disorders of ocular motility and describe prevention and treatment of amblyopia.
7. Recognize the major types of glaucoma and describe their clinical presentation and treatment.
8. Write an accurate and thorough medical record in regards to ocular disease.
9. Demonstrate a professional and systematic approach in working with a patient with an ocular injury.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Completeness, accuracy, and general quality of oral presentation and written documentation of history and physical and work-ups. Appraisal of oral presentations at conferences.
2. Technical skill.
3. Observation and assessment of interactions with professionals and patients.
4. Standard Clinical Evaluation Form will be reviewed with the student by the preceptor.

### **REQUIRED READING**

Reading assignments will be made during the elective.

### **NOTE: CONTACT FOR ELECTIVE ASSIGNMENT**

UICOM-P, Department of Surgery: Kathy Slater (309) 655-2383.

<b>OPHTHALMOLOGY (ELEC 639.2)</b>			<b>Course Director</b> Evan C. Pike, M.D. Evan Lagouros, M.D.
<b>Address</b> Illinois Eye Center 8921 N. Wood Sage Rd. Peoria, IL 61615	<b>Phone</b> 309-243-2400	<b>Prerequisites</b> Completion of M2 Year	<b>Location</b> Illinois Eye Center
<b>Dates Available</b> All year except VII(b)	<b>Dates Not Available</b> VII(b)	<b>Duration in Weeks</b> 2	<b>Hours/Week</b> 40
<b>Lectures/Seminars</b> Occasionally	<b>Lab</b> No	<b>Outpatient</b> Yes	<b>Inpatient</b> Few
<b>House Staff</b> No	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 1*

*\*One student total allowed in this elective, M4 students get priority to seat.*

#### **NARRATIVE DESCRIPTION**

The course will acquaint the student with the clinical practice of ophthalmology. The experience will center on outpatient private office care of patients and will include ocular surgery. The course is designed to prepare the student to diagnose common ocular disorders and recognize ocular manifestations of systemic disease. Emphasis will be placed on the differentiation of those conditions appropriately handled by the non-ophthalmologist from those patients requiring specialty care. The management of common eye disorders will be stressed. The course provides an opportunity to improve the skills of physical diagnosis of the visual system.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Describe indicators of when to refer patients to an ophthalmologist.
2. Perform an orderly eye examination, including proper use of the ophthalmoscope.
3. Examine a patient with red eye and initiate management when appropriate.
4. Evaluate pupillary abnormalities.
5. Evaluate visual field abnormalities.
6. Detect and describe disorders of ocular motility and describe prevention and treatment of amblyopia.
7. Recognize the major types of glaucoma and describe their clinical presentation and treatment.
8. Demonstrate a professional and systematic approach in working with a patient with an ocular injury.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Completeness, accuracy, and general quality of oral presentation and written documentation of history and physical and work-ups. Appraisal of oral presentations.
2. Technical skill.
3. Observation and assessment of interactions with professionals and patients.
4. Standard Clinical Evaluation Form may be reviewed with the student by the preceptor.

#### **REQUIRED READING**

Reading assignments will be made during the elective.

#### **NOTE: CONTACT FOR ELECTIVE ASSIGNMENT**

UICOM-P, Department of Surgery: Kathy Slater (309) 655-2383.

<b>ORTHOPEDIC SURGERY (ELEC 642.1)</b>			<b>Course Director</b> Jeff Akeson, M.D. Luke Luetkemeyer, M.D.
<b>Address</b> Midwest Orthopedic Center 6000 N. Allen Rd. Peoria, IL 61615	<b>Phone</b> 309-691-1400	<b>Prerequisites</b> Completion of M3 Surgery Clerkship UnityPoint Orientation	<b>Location</b> SFMC/MMCI
<b>Dates Available</b> All year except VII(b)	<b>Dates Not Available</b> VII(b)	<b>Duration in Weeks</b> 2	<b>Hours/Week</b> 50-80
<b>Lectures/Seminars</b> No	<b>Lab</b> No	<b>Outpatient</b> Yes	<b>Inpatient</b> Yes
<b>House Staff</b> Occasional	<b>Night Call</b> 1-2 per week	<b>Weekends</b> 1 or 2	<b>No. of Students</b> 1*

*\*One student total allowed in this elective, M4 students get priority to seat.*

**NARRATIVE DESCRIPTION**

Each student will develop knowledge of specific orthopedic medical conditions and problems and gain experience in the treatment of these conditions and problems. The student will be responsible for assigned "work-ups" on the preceptor's service, especially with regard to the presenting orthopedic condition. Call will be taken, not more than every third night, to ensure adequate experience with trauma problems. Under faculty supervision, the student will perform those procedures (wound closure, reductions, cast applications, etc.), depending upon his or her level of competence. Attendance and participation in clinics and rounds will be expected. At least four to six hours per day will be spent in the preceptor's office.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Describe indicators of when to refer patients to orthopedics.
2. Describe the anatomy of the musculoskeletal system.
3. Describe the technology used in orthopedic medicine to diagnose common problems.
4. Describe orthopedic management, treatment and reconstruction aspects of common musculoskeletal problems of the hip, knee, shoulder, spinal, and hand.
5. Orally describe the presenting orthopedic condition of patients.
6. Write an accurate and thorough medical record.
7. Describe the management of simple fractures.
8. Describe the basic principles of treatment for acute and chronic musculoskeletal problems.
9. Identify the basic principles of trauma management.
10. Under faculty or resident supervision, perform the following basic orthopedic procedures: wound closure, reductions,  
application of splints, casts, braces and appliances.

**METHOD OF EVALUATION** Dr. Akeson will base his evaluation on:

1. Verbal interchange between student and preceptor to assess progress.
2. The student will be evaluated by quality of history and physical examination and technical skills observed by the faculty while on the orthopedic service.
3. Observation of interrelations with professionals and patients.
4. Final evaluation will be a discussion with the student and completion of Standard Clinical Evaluation Form by preceptor.

**REQUIRED READING**

Reading assignments will be made during the elective.

**NOTE: CONTACT FOR ELECTIVE ASSIGNMENT**

UICOM-P, Department of Surgery: Kathy Slater (309) 655-2383.

<b>ORTHOPEDIC SURGERY - SFMC (ELEC 642.2)</b>			<b>Course Director</b> Steven K. Below, M.D. Robert Kinzinger, M.D. Miguel Ramirez, M.D.
<b>Address</b> 303 N. William Kumpf Blvd.	<b>Phone</b> 309-676-5546	<b>Prerequisites</b> Completion of M3 Surgery Clerkship	<b>Location</b> SFMC/MMCI
<b>Dates Available</b> All year except as noted	<b>Dates Not Available</b> VII(b)	<b>Duration in Weeks</b> 4 (2 weeks w/ permission)	<b>Hours/Week</b> 40
<b>Lectures/Seminars</b> No	<b>Lab</b> No	<b>Outpatient</b> Yes	<b>Inpatient</b> Yes
<b>House Staff</b> No	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 1*

*\*One student total allowed in this elective, M4 students get priority to seat.*

### **NARRATIVE DESCRIPTION**

Each student will be assigned to a service for a four-week period on a rotation basis during which time the student will develop knowledge and treatment skills of specific orthopedic medical conditions and problems. He/she will be responsible for assigned workup on the preceptor's service, especially with regard to the presenting orthopedic condition. The student may assist in taking emergency call, not more than every third night, to insure adequate experience with trauma problems. Under faculty supervision, the student will perform procedures such as wound closure, reductions, cast application, etc. depending upon his/her level of competence. The student may also observe/assist in rehabilitation efforts at Great Plains Sports Medicine Rehabilitation Center and assist in rounds. At least four to six hours per day will be spent with the clinical preceptor. The content of the 4-week rotation is based on student preference and availability. Options are: Dr. Rashid (hand surgery) Monday through Wednesday, Dr. Below (sports orthopedics) Wednesday through Friday and Dr. Ramirez (shoulders, elbows, sports medicine) Wednesday through Friday.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Describe indications for referral to an orthopedic service.
2. Understand pertinent anatomy of the musculoskeletal system.
3. Understand basic orthopedic terminology.
4. Demonstrate ability to perform standard orthopedic physical examination skills.
5. Learn orthopedic management of common musculoskeletal problems.
6. Demonstrate ability to assess common orthopedic problems radiographically.
7. Present orthopedic patients in a precise, cogent fashion.
8. Document an accurate and thorough orthopedic medical record.
9. Identify the basic principles of trauma management.
10. Under faculty or resident supervision, perform the following basic orthopedic procedures: wound closure, reductions, application of splints, casts, braces and appliances.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Verbal interchange between student and preceptor.
2. Quality of history and physical examination and technical skills observed by the faculty while on the Orthopedic Service.
3. Appraisal of oral presentations.
4. Observation of interrelations with professionals and patients.
5. Final evaluation will be a discussion with student and completion of Standard Clinical Evaluation Form by preceptor(s).

### **REQUIRED READING**

Reading assignments will be made during the elective and will be tailored to the students' and preceptors' interests. One informal clinical presentation is recommended.

**NOTE: CONTACT FOR ELECTIVE ASSIGNMENT**

UICOM-P, Department of Surgery: Kathy Slater (309) 655-2383.

<b>ORTHOPEDIC SURGERY (ELEC 642.3)</b>			<b>Course Director</b> Michael S. Merkley, M.D.
<b>Address</b> Midwest Orthopedic Center 6000 N. Allen Rd. Peoria, IL 61615	<b>Phone</b> 309-691-1400	<b>Prerequisites</b> Completion of M3 Surgery Clerkship Students must fulfill UnityPoint Orientation with Academic Affairs	<b>Location</b> Office, OSF, MMCI
<b>Dates Available</b> All year except VII(b)	<b>Dates Not Available</b> VII(b)	<b>Duration in Weeks</b> 4	<b>Hours/Week</b> 40
<b>Lectures/Seminars</b> No	<b>Lab</b> No	<b>Outpatient</b> Yes	<b>Inpatient</b> Yes
<b>House Staff</b> No	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 1*

*\*One student total allowed in this elective, M4 students get priority to seat.*

### **NARRATIVE DESCRIPTION**

The students' primary responsibility will be in the office, where they will see and evaluate patients with the faculty member. They will also go to surgery with the assigned faculty member on surgery days but will not necessarily be responsible for inpatient care.

Rotation will include experience in orthopedic spinal surgery; hand surgery, and hip, knee and shoulder reconstruction. Attendance and participation in weekly conferences, clinics and rounds will be expected. At least four to six hours per day will be spent in the preceptor's office.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Describe indicators of when to refer patients to orthopedics.
2. Describe the anatomy of the musculoskeletal system.
3. Describe the technology used in orthopedic medicine to diagnose common problems.
4. Describe orthopedic management, treatment and reconstruction aspects of common musculoskeletal problems of the hip, knee, shoulder, spinal, and hand.
5. Orally describe the presenting orthopedic condition of patients.
6. Write an accurate and thorough medical record.
7. Describe the management of simple fractures.
8. Describe the basic principles of treatment for acute and chronic musculoskeletal problems.
9. Identify the basic principles of trauma management.
10. Under faculty or resident supervision, perform the following basic orthopedic procedures: wound closure, reductions, application of splints, casts, braces and appliances.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. The student will be evaluated by quality of oral and written work-ups of patients and technical skills observed by the faculty while on the orthopedic service.
2. Discussion with student and completion of Standard Clinical Evaluation Form by preceptor.

### **REQUIRED READING**

Reading assignments will be made during the elective.

### **NOTE: CONTACT FOR ELECTIVE ASSIGNMENT**

UICOM-P, Department of Surgery: Kathy Slater (309) 655-2383.

<b>OTOLARYNGOLOGY (ELEC 643.1)</b>			<b>Course Director</b> Ryan Hendricker, M.D. James Hertenstein, M.D.
<b>Address</b> Midwest Ear, Nose, & Throat Assoc. 8600 N. Route 91, Ste. 300 Peoria, IL 61615	<b>Phone</b> 309-691-6616 Fax: 309-691-2943	<b>Prerequisites</b> Completion of M2 Year UnityPoint Orientation	<b>Location</b> Office, OSF, MMCI
<b>Dates Available</b> By Director Approval	<b>Dates Not Available</b>	<b>Duration in Weeks</b> 2-4	<b>Hours/Week</b> 40
<b>Lectures/Seminars</b> One-on-one	<b>Lab</b> No	<b>Outpatient</b> Yes	<b>Inpatient</b> Yes
<b>House Staff</b> No	<b>Night Call</b> No	<b>Weekends</b> As needed	<b>No. of Students</b> 1*

**\*One student total allowed in this elective, M4 students get priority to seat.**

\*Students planning to take the four-week elective course must take this over four consecutive weeks. Exceptions to the consecutive limitation may be made on an individual basis.

#### **NARRATIVE DESCRIPTION**

This otolaryngology/head and neck surgery course is designed for students who have an interest in all aspects of head and neck surgery/otolaryngology. The rotation in otolaryngology allows the student, in many instances, to see the patient in the office before surgery, assist with the surgery and evaluate the patient post-operatively.

**OBJECTIVES** Upon completion of this elective the student will be able to:

1. Describe head and neck anatomy and physiology.
2. Recognize common otologic abnormalities and physical findings.
3. Perform a head and neck exam including indirect laryngoscopy.
4. Discuss hearing and inner ear evaluation with the services available from audiologists.
5. Improve the knowledge of radiological interpretation of head and neck CT and MRI scanning, as well as other radiographic modalities.
6. Improve the surgical skills in the head and neck area.
7. Identify and understand common pharmacologic agents used in the treatment of head and neck disorders.
8. Develop management skills in the treatment of the pediatric otolaryngology patients.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Ongoing discussion and observation of the knowledge and skill level of the students as it relates to otolaryngology/head and neck surgery.
2. Continued discussion and question regarding anatomy of the head and neck which is considered essential.
3. Frequent references and discussion on the textbook.
4. Completion of Standard Clinical Evaluation Form by preceptor.

#### **REQUIRED READING**

Otolaryngology Head and Neck Surgery by DeWeese and Saunders  
(specifically written for third- and fourth-year medical students)

#### **NOTE: CONTACT FOR ELECTIVE ASSIGNMENT**

UICOM-P, Department of Surgery: Kathy Slater (309) 655-2383.

<b>OTOLARYNGOLOGY (ELEC 643.2)</b>			<b>Course Director</b> James Geraghty, M.D.
<b>Address</b> Peoria Ear, Nose, & Throat 7301 N. Knoxville Peoria, IL 61614	<b>Phone</b> 309-589-5900	<b>Prerequisites</b> Completion of M2 Year Students must fulfill UnityPoint Orientation with Academic Affairs	<b>Location</b> SFMC, MMCI, Proctor
<b>Dates Available</b> All year except as noted	<b>Dates Not Available</b> VII(b)	<b>Duration in Weeks</b> 2-4	<b>Hours/Week</b> 40
<b>Lectures/Seminars</b> No	<b>Lab</b> No	<b>Outpatient</b> Yes	<b>Inpatient</b> Minimal
<b>House Staff</b> No	<b>Night Call</b> Optional	<b>Weekends</b> Optional	<b>No. of Students</b> 1*

**\*\*One student total allowed in this elective, M4 students get priority to seat.  
Students planning to take the four-week elective course must take this over four consecutive weeks.  
Exceptions to the consecutive limitation may be made on an individual basis.**

#### **NARRATIVE DESCRIPTION**

The course is designed to introduce the student to the field of otolaryngology and allow him/her to understand the basic clinical and pathologic conditions treated by this specialty. It will be conducted under the supervision of attending otolaryngologists in the office, hospital, and operating rooms of Saint Francis, Methodist and Proctor Hospitals.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Identify the physical diagnosis of ears, nose and throat.
2. Treat common infectious diseases of the ears, nose, and throat.
3. Recognize the problems of hearing loss, both diagnosis and treatment, in the child and the adult.
4. Identify the histopathology and clinical science of neoplasms of the sinuses, nose, oral cavity, pharynx, and larynx, and describe the need for rehabilitation following laryngeal surgery.
5. Perform a basic diagnosis and treatment of traumatic and congenital disorders of the head and neck.
6. Recognize an indication for referral to otolaryngology care.
7. Preview this field in order to make career decisions.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Discussion between student and preceptor will be conducted to guide student in meeting objectives.
2. A continuous assessment of student's performance will be conducted by preceptor.
3. Discussion with student at the completion of the rotation and final overall evaluation will be conducted with completion of Standard Clinical Evaluation Form by preceptor.

#### **RECOMMENDED READING**

1. *Expert Guide to Otolaryngology*; K. Calhoun
2. *Essential Otolaryngology*; KJ Lee
2. *Cumming's Otolaryngology: Head & Neck Surgery*; Cumming's, etal.

#### **NOTE: CONTACT FOR ELECTIVE ASSIGNMENT**

UICOM-P, Department of Surgery: Kathy Slater (309) 655-2383.

<b>PLASTIC SURGERY (ELEC 656.1)</b>			<b>Course Director</b> Eric Elwood, M.D.
<b>Address</b> Illinois Medical Center 1001 Main St., 3 <sup>rd</sup> Flr. Peoria, IL 61606	<b>Phone</b> 309-495-0250	<b>Prerequisites</b> Completion of M3 Surgery Clerkship Students must fulfill UnityPoint Orientation with Academic Affairs	<b>Location</b> SFMC, MMCI, Proctor
<b>Dates Available</b> All year	<b>Dates Not Available</b> n/a	<b>Duration in Weeks</b> 2 or 4 consecutive	<b>Hours/Week</b> 40 (as needed)
<b>Lectures/Seminars</b> No	<b>Lab</b> No	<b>Outpatient</b> Yes	<b>Inpatient</b> Yes
<b>House Staff</b> Occasionally	<b>Night Call</b> Optional	<b>Weekends</b> Optional	<b>No. of Students</b> 3*

*\*One student total allowed in this elective, M4 students get priority to seat.*

*Students planning to take the four-week elective course must take this over four consecutive weeks.*

*Exceptions to the consecutive limitation may be made on an individual basis.*

#### **NARRATIVE DESCRIPTION**

Student responsibilities will include evaluation and management of patients in the office two days per week, participation in surgical procedures, and evening and weekend trauma cases occasionally.

The student will gain knowledge in treating acute and chronic hand and upper extremity problems, facial trauma, and reconstructive procedures of the head and neck, trunk, and extremities. The student will also participate in selected cosmetic surgery cases.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Describe and discuss the concept of Functional Restoration.
2. Explain principles of assessment and management of plastic surgical problems.
3. Verbalize selection criteria for plastic surgery patients and treatment options.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Fund of factual knowledge.
2. Manual skills.
3. Ability to follow inpatients with an organized approach to inpatient care.
4. Ability to diagnose conditions seen in the office setting.
5. Standard Clinical Evaluation Form.

#### **REQUIRED READINGS**

*Plastic Surgery* by Grabb and Smith, (provided).

#### **NOTE: CONTACT FOR ELECTIVE ASSIGNMENT**

UICOM-P, Department of Surgery: Kathy Slater (309) 655-2383.

<b>UROLOGY (ELEC 683.1)</b>			<b>Course Director</b> Thomas Rashid, M.D.
<b>Address</b> OSF Medical Group – Urology Illinois Medical Center 1001 Main St., Ste. 400 Peoria IL 61606	<b>Phone</b> 309-208-6027	<b>Prerequisites</b> Completion of M2 Year	<b>Location</b> Office, SFMC
<b>Dates Available</b> All Year Block VII(b)	<b>Dates Not Available</b> VII(b)	<b>Duration in Weeks</b> 2-4 (4 weeks must be consecutive)	<b>Hours/Week</b> 40
<b>Lectures/Seminars</b> Yes	<b>Lab</b> Elective	<b>Outpatient</b> Yes	<b>Inpatient</b> Yes
<b>House Staff</b> Yes	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 1*

**\*One student total allowed in this elective, M4 students get priority to seat.**

#### **NARRATIVE DESCRIPTION**

The course will acquaint the student with the practice of urology, including a significant amount of nephrology and general medicine. Basic surgery skills, as well as operative techniques, will be included. Outpatient office exposure will be an integral portion of the program. The experience will also include useful techniques in an outpatient surgery center. The course will prepare the student for primary care practice or as a prelude to the surgical subspecialties. If the student has a strong interest in surgery, additional instruction in basic surgery skills will be offered.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Obtain a urological history and perform a urological physical examination.
2. Develop basic skills of seeing patients at the urological center.
3. Develop basic skills required for pre-operative and post-operative assessment.
4. Acquire technical expertise and develop technical skills at the surgery center.
5. Perform simple and difficult catheterizations.
6. Evaluate urological consultations.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Ongoing observance of the student.
2. Completion of Standard Clinical Evaluation Form by preceptor and discussion with student.

#### **REQUIRED READING**

Reading assignments will be made during the elective.

#### **NOTE: CONTACT FOR ELECTIVE ASSIGNMENT**

UICOM-P, Department of Surgery: Kathy Slater (309) 655-2383.

<b>UROLOGY (ELEC 683.2)</b>			<b>Course Director</b> J. Banno, M.D.
<b>Address</b> Midwest Urological Group 7309 N. Knoxville Peoria, IL 61614	<b>Phone</b> 309-683-0680	<b>Prerequisites</b> Completion of M2 Year Students must fulfill UnityPoint Orientation with Academic Affairs	<b>Location</b> MMCI, Proctor, SFMG
<b>Dates Available</b> All Year Block VII(b)	<b>Dates Not Available</b> VII(b)	<b>Duration in Weeks</b> 2-4 (4 weeks must be consecutive)	<b>Hours/Week</b> Per availability
<b>Lectures/Seminars</b> No	<b>Lab</b> Yes	<b>Outpatient</b> Yes	<b>Inpatient</b> Yes
<b>House Staff</b> No	<b>Night Call</b> No	<b>Weekends</b> No	<b>No. of Students</b> 1*

**\*\*One student total allowed in this elective, M4 students get priority to seat. Students planning to take the four-week elective course must take this over four consecutive weeks. Exceptions to the consecutive limitation may be made on an individual basis.**

### **NARRATIVE DESCRIPTION**

This course is available to any student wishing to learn more about urology. Although a small sub-specialty, the field of urology includes the treatment of many conditions seen in clinical practice. Included in this field is the treatment of urinary tract infection. This course will include both medical and surgical treatment of urologic problems. The student will work closely with the attending urologists and their patients that are treated at the Methodist Medical Center. Teaching will be individualized on a patient-by-patient basis. While working with the urologist, the student will gain some hands-on experience with the anatomy, pathophysiology, treatment and prognosis of these illnesses.

**OBJECTIVES** Upon completion of this elective, the student will be able to:

1. Recognize the anatomy and pathophysiology of the urinary tract and how it relates to urologic illnesses.
2. Administer general urologic examinations and identify special diagnostic techniques, including uro radiology, cystourethrography, and urodynamic evaluations.
3. Describe neuromuscular dysfunction of the lower urinary tract and evaluate and manage urinary incontinence.
4. Recognize physiology of erection and pathophysiology of impotence.
5. Identify the pathophysiology and treatment of urolithiasis.
6. Develop manual skills and dexterity in basic urologic manipulations such as urethral catheterization and prostatic massage.

**METHOD OF EVALUATION** The faculty will base their evaluation on:

1. Informal discussions with student by attending urologist.
2. Completion of Standard Clinical Evaluation Form by attending urologist.

### **REQUIRED READING**

Reading assignments will be made during the elective.

### **NOTE: CONTACT FOR ELECTIVE ASSIGNMENT**

UICOM-P, Department of Surgery: Kathy Slater (309) 655-2383.