ANES 9143 GENERAL ANESTHESIOLOGY

*Prerequisite: Completion of second year courses*

Airway management including techniques with mask, oral and nasal airways, and oral and nasal tracheal intubation; familiarity with anesthesia machines, ventilators, ECG monitors, intravenous fluid therapy, cardiopulmonary resuscitation, intravenous medications, spinal taps and blocks, and pre/post operative care.

Year in Program: 4  # of Weeks: 2,4

DERM 9192 DERMATOLOGY ELECTIVE

*Prerequisites: Medicine Clerkship and Introduction to Dermatology*

Identify and describe primary and secondary lesions of dermatology. Discussion of common skin disorders and the therapy to be used.

Year in Program: 4  # of Weeks: 4

F P 9580 AMBULATORY CARE-FAMILY MEDICINE

*Prerequisite: Completion of third year clerkship*

Family practice outpatient experience gives student the opportunity to function as the primary care physician with faculty supervision. The student will become familiar with and use office equipment and learn to perform a variety of procedures (hospital and outpatient) with supervision.

Year in Program: 4  # of Weeks: 2,4

F P 9594 RURAL MEDICINE ELECTIVE

*Prerequisite: Family Practice Clerkship*

Clinical experience provides the student with a unique exposure to the problems of rural practice. The student may handle patients with acute trauma, angina, acute minor illness, etc. The student will develop skills performing urinalysis, x-rays, spirometry, etc. An attending/resident will work with students and facilitate patient flow.

*Additional Information: S/U grade*

Year in Program: 4  # of Weeks: 4

FP 9595 FAMILY PRACTICE E.R.

*Prerequisite: Completion of third year clerkship*

Students will work either at Saint Francis Trauma Center or St. John Emergency Center with the guidance and teaching of emergency room physicians. This will present an opportunity for the
student to observe and participate in emergency room care, decisions regarding emergency triage, and major trauma management and stabilization.

Year in Program: 3,4 # of Weeks: 2,4

**F P 9596 FAMILY PRACTICE SUB-INTERNSHIP**

*Prerequisite: Completion of third year clerkship*

The student will serve as a subintern on the family practice service at Hillcrest Medical Center. Responsibilities will include patient care under the supervision of the senior resident and faculty. Post hospital follow-up will be in the outpatient clinic. Time will be provided for indicated reading and literature search regarding problems at hand.

*Additional Information: Permission from course director*

Year in Program: 4 # of Weeks: 4

**F P 9597 FAMILY PRACTICE-COMMUNITY & PUBLIC HEALTH**

*Prerequisite: Completion of third year clerkship*

This elective has great flexibility and can be tailored to the needs of and interest of the individual student after conference with the course instructor. Basic principles of public health and preventive medicine will be presented. All aspects of community and public health care systems can be utilized in this experience.

Year in Program: 4

**INDT 8070 SPECIAL STUDIES IN RURAL HEALTH ISSUES**

*Prerequisite: Completion of third year clerkship*

This elective provides a rural practice for an overview of Family Practice in this setting. Participants will be completely integrated into the rural setting. Rural health will be presented with community involvement as a necessary component.

Year in Program: 4 # of Weeks: 2,4

**INDT 9500 INTERNATIONAL STUDIES IN MEDICINE**

*Prerequisites: Approval of Director of International Studies in Medicine*

Clinical rotation of at least one month in international teaching hospitals and medical schools with whom formal affiliation agreements have been made.

*Additional Information: S/U grade*

Year in Program: 4 # of weeks: variable
Contact Person: Patty Patterson Phone: (918) 660-3306

INDT 9990 BIOETHICS SPECIAL STUDIES (Pending APC approval)

Additional Information: S/U grade

Directing readings in Bioethics issues; including, but not limited to, *End-of Life Decision Making, Palliative Care, Organ Transplantation, Proxy Decisions for the Incompetent, Health Care Delivery, Consent Issues, and the Doctor-Patient Relationship*. Part-time schedule may be arranged. Students may attend all conferences and consults, and will develop a publishable quality paper in an area of interest to them.

Year in Program: 4 # of Weeks: 2,4

GYOB 9232 SUB-INTERNSHIP IN GYNECOLOGY/OBSTETRICS

*Prerequisite: Basic OB/GYN Clerkship*

An elective tailored to individual student needs, making use of various facilities and resources available in the areas of ambulatory gynecology, family planning, high-risk obstetrics, teenage pregnancy, community gyn/ob, and office gynecology.

Year in Program: 4 # of Weeks: 4

GYOB 9233 REPRODUCTIVE ENDOCRINOLOGY

*Prerequisite: Basic OB/GYN Clerkship*

Student will spend an in-depth time with a specialist in reproductive endocrinology. Insight will be gained into the management of complex problems relating to reproductive endocrinology and infertility. Emphasis on outpatient management of endocrinological abnormalities in the female and male in relation to infertility. Physiological dynamics and concepts will be emphasized resulting in therapeutic modalities being applicable to these disease states. Lab, diagnostic and therapeutic facilities utilized.

Year in Program: 4 # of Weeks: 4

GYOB 9234 MATERNAL FETAL MEDICINE

*Prerequisite: Basic OB/GYN Clerkship*

Student will spend an in-depth time with a specialist in maternal fetal medicine. In particular, insight will be gained into the management of high-risk pregnancy. This will require advanced knowledge in the medical and surgical complications of pregnancy and their effect in both the mother and the fetus. Also, expertise will be developed in the most current diagnostic and treatment modalities used in the care of patients with high risk pregnancies.

Year in Program: 4 # of Weeks: 4

MED 9236 MEDICINE/PEDIATRICS
The purpose of this course is to provide medical students with exposure to the scope of combined Medicine/Pediatrics practice through a combination of inpatient and ambulatory experiences.

Year in Program: 4 # of Weeks: 4

**MED 9325 ADVANCED INTERNAL MEDICINE (Cardiology)**

This course provides the opportunity to explore one of more content areas by focusing on a defined clinical experience and the student’s specific learning objectives. Students are expected to identify their learning objectives at the beginning of the course.

Year in Program: 4 # of Weeks: 4

**MED 9325 ADVANCED INTERNAL MEDICINE (Emergency Medicine)**

This course provides the opportunity to explore one of more content areas by focusing on a defined clinical experience and the student’s specific learning objectives. Students are expected to identify their learning objectives at the beginning of the course.

Year in Program: 3,4 # of Weeks: 2,4

**MED 9325 ADVANCED INTERNAL MEDICINE (Endocrinology)**

This course provides the opportunity to explore one of more content areas by focusing on a defined clinical experience and the student’s specific learning objectives. Students are expected to identify their learning objectives at the beginning of the course.

Year in Program: 4 # of Weeks: 4

**MED 9325 ADVANCED INTERNAL MEDICINE (Geriatrics)**

This course provides the opportunity to explore one of more content areas by focusing on a defined clinical experience and the student’s specific learning objectives. Students are expected to identify their learning objectives at the beginning of the course.

Year in Program: 4 # of Weeks: 4

**MED 9325 ADVANCED INTERNAL MEDICINE (Gastroenterology)**

This course provides the opportunity to explore one of more content areas by focusing on a defined clinical experience and the student’s specific learning objectives. Students are expected to identify their learning objectives at the beginning of the course.

Year in Program: 4 # of Weeks: 4

**MED 9325 ADVANCED INTERNAL MEDICINE (Hematology/Oncology)**

This course provides the opportunity to explore one of more content areas by focusing on a defined clinical experience and the student’s specific learning objectives. Students are expected
to identify their learning objectives at the beginning of the course.

**MED 9325 ADVANCED INTERNAL MEDICINE (ICU)**

This course provides the opportunity to explore one of more content areas by focusing on a defined clinical experience and the student’s specific learning objectives. Students are expected to identify their learning objectives at the beginning of the course.

**MED 9325 ADVANCED INTERNAL MEDICINE (Infectious Disease)**

This course provides the opportunity to explore one of more content areas by focusing on a defined clinical experience and the student’s specific learning objectives. Students are expected to identify their learning objectives at the beginning of the course.

**MED 9325 ADVANCED INTERNAL MEDICINE (Nephrology)**

This course provides the opportunity to explore one of more content areas by focusing on a defined clinical experience and the student’s specific learning objectives. Students are expected to identify their learning objectives at the beginning of the course.

**MED 9325 ADVANCED INTERNAL MEDICINE (Pulmonary)**

This course provides the opportunity to explore one of more content areas by focusing on a defined clinical experience and the student’s specific learning objectives. Students are expected to identify their learning objectives at the beginning of the course.

**MED 9325 ADVANCED INTERNAL MEDICINE - General Medicine In-Patient (SubInternship)**

This course provides the opportunity to explore one of more content areas by focusing on a defined clinical experience and the student’s specific learning objectives. Students are expected to identify their learning objectives at the beginning of the course.
Year in Program: 4 # of Weeks: 4

**MED 9345 MEDICINE OFF-CAMPUS ELECTIVE**

*Prerequisites: Approval of the Academic Department, College of Medicine*

An off-campus elective is defined as work not at the College of Medicine-Tulsa, the Health Sciences Center, or in a formally affiliated hospital; nor under the direct supervision of a member of the full-time faculty of the College of Medicine. A statement from the course director of the proposed elective concerning the supervision and grading of student’s experience and a detailed course description of the proposed elective are required. Special procedures must be followed for taking an off-campus elective and an application form must be completed.

Year in Program: 4 # of Weeks: 4,8,12

**NRSG 9390 NEUROSURGERY ELECTIVE**

This clinical rotation will consist of activities in the outpatient clinic, ward rounds, and attendance in the operating room. The students will become members of the neurosurgical team and will have direct responsibility for selected patients under the supervision of the staff.

Year in Program: 4 # of Weeks: 4

**OPHT 9420 OPHTHALMOLOGY ELECTIVE**

An introduction to Ophthalmology. Students will observe and participate in outpatient and inpatient services, observe surgery, and attend clinical and basic science courses and conferences.

Year in Program: 4 # of Weeks: 4

**ORSG 9490 ORTHOPEDIC SURGERY ELECTIVE**

*Prerequisite: Surgery Clerkship*

A rotation intended as a general introduction to the field of orthopedic surgery, acquainting the student with the examination, diagnosis and management of some of the disorders of the musculo-skeletal system. In a general way, orthopedics is divided into trauma, adult reconstructive surgery and pediatric orthopedics. Consideration is given to a student who requests in advance a rotation through one of these particular divisions.

Year in Program: 4 # of Weeks: 2,4 (Need approval for 2 week)

**ORSG 9492 ORTHOPEDIC SPORTS MEDICINE**

*Prerequisites: Surgery Clerkship and Orthopedic Surgery*

General orthopedic conditions encountered in an office, the emergency room, and operating room with guidelines in the treatment of sports-related problems.
Year in Program: 4  # of Weeks: 4

**PATH 9876 ANATOMIC PATHOLOGY**

*Permission from elective director*

Active participation in areas of anatomic pathology including, but not limited to autopsy pathology and surgical pathology. The student will attend and participate in pathology conferences and assist in diagnostic procedures.

Year in Program: 4  # of Weeks: 4

**PATH 9877 CLINICAL PATHOLOGY**

An introduction to the clinical laboratories with emphasis on proper utilization and choice of laboratory tests. Evaluation and interpretation of abnormal results will be correlated with pertinent clinical data and patient chart review.

Year in Program: 4  # of Weeks: 4

**MED 9236 MEDICINE/PEDIATRIC**

*Prerequisite: Pediatric Clerkship & Medicine Clerkship*

The purpose of this course is to provide medical students with exposure to the scope of combined Medicine/Pediatrics practice through a combination of inpatient and ambulatory experiences.

Year in Program: 4  # of Weeks: 4

**PEDI 9671 DEVELOPMENTAL PEDIATRICS**

*Prerequisite: Pediatric Clerkship*

The developmental behavior of infants and toddlers and the assessment of the normality of behavior in young pediatric patients are the focus of this largely outpatient experience in a large developmental assessment and treatment center in a multi-disciplinary setting.

Year in Program: 4  # of Weeks: 4

**PEDI 9672 PERINATAL MEDICINE**

*Prerequisite: Pediatric Clerkship*

Various aspects of neonatal intensive care and general principles for the health care of newborn infants, and common problems concerning the neonatal morbidity and mortality are the focus of this course given within the Eastern Oklahoma Perinatal Center, a tertiary care newborn center.

Year in Program: 4  # of Weeks: 4
PEDI 9673 PEDIATRIC INTENSIVE CARE UNIT

*Prerequisite: Pediatric Clerkship*

A clinical experience in patient care in an active Pediatric Intensive Care Unit learning principles of respiratory and cardiovascular resuscitation and support, the management of fluid and electrolyte and life-threatening infectious disease, neurological and metabolic problems, including head trauma.

Year in Program: 4  # of Weeks: 4

PEDI 9674 SUB-INTERNERSHIP IN PEDIATRICS

*Prerequisite: Pediatric Clerkship*

A training experience modeled after a pediatric internship. Work under the direct supervision of a senior pediatric resident and faculty pediatrician, performing histories and physicals; develop management plans, write orders for counter signature, initiate progress reports, appropriate laboratory data, perform various procedures and interpret laboratory management plans to parents and patients.

Year in Program: 4  # of Weeks: 4

PEDI 9675 PEDIATRIC ENDOCRINOLOGY

*Prerequisite: Pediatric Clerkship*

The conceptual and clinical aspects of endocrine growth and development as well as pediatric endocrine problems. This course involves outpatients and inpatients, directly managed and consultative; includes exposure to departmental research activities.

Year in Program: 4  # of Weeks: 4

PEDI 9676 CLINICAL GENETICS

All aspects of clinical genetics. The techniques of genetic laboratory diagnosis and evaluation, the indications for genetic analysis, and the techniques of genetic counseling. Student will participate with various members of the division both in the clinical and laboratory assessment of potential genetics problems and in the counseling aspects of such problems. A project will be given.

Year in Program: 4  # of Weeks: 4

PEDI 9677 CHILD NEUROLOGY

*Prerequisite: Pediatric Clerkship*

The specialty of neurology as applied to infants, children and adolescent. Review of pertinent anatomy and physiology and the formal neurological exam. Special attention to seizure disorders, headache, head trauma and childhood behavior pathology. Assigned readings will be
a part of this course.

Year in Program: 4 # of Weeks: 4

PEDI 9678 PEDIATRIC GASTROENTEROLOGY & NUTRITION

Prerequisite: Pediatric Clerkship

Experience in gastrointestinal disorders, liver disease, and feeding problems (including enteral and parenteral nutrition) in infancy and childhood.

Year in Program: 4 # of Weeks: 4

PEDI 9679 PUBLIC HEALTH AND COMMUNITY PEDIATRICS

This course will expose students to a variety of community experiences involving either public health programs or pediatric health care in a community setting. Epidemiology and public health monitoring procedures will be taught. Students will work with a preceptor, Dr. Stewart, a Public Health specialist. An individualized schedule will be arranged.

Year in Program: 4 # of Weeks: 4

PEDI 9681 CHILD PROTECTION & FORENSIC PEDIATRICS

Exposure to field of child abuse medical evaluations. The Tulsa Children's Justice Center is the central site for medical examinations and interaction with other team members from the Tulsa Police Department, DHS, the District Attorney's Office, and the Child Abuse Network, Inc. Students will interview allegedly abused children, perform examinations with supervision, and participate in case reviews and court proceedings.

Year in Program: 4 # of Weeks: 2,4

PEDI 9683 PEDIATRIC HEMATOLOGY/ONCOLOGY

Prerequisites: Pediatric Clerkship

A clinical experience with infants, children and adolescents with a variety of hematological and oncological conditions designed to acquaint the student with the diagnostic and therapeutic approach to the anemias, the disorders of leukocytes and the thrombocytopenias and to review principles of diagnosis and management of childhood malignancies.

Year in Program: 4 # of Weeks: 4

PEDI 9684 DOMESTIC VIOLENCE AND COMMUNITY HEALTH (Pending APC approval)

Prerequisites: Pediatric Clerkship

This course will expose students to a variety of agencies offering services to adults and children involved in some form of family violence. It also offers students an opportunity to observe, and
participate in, programs for alternative education and behavioral therapy. Students schedule their own experiences from a menu of agencies. Select readings, prepared by former students, are available for review.

Year in Program: 4   # of Weeks: 2,4

**PSBS 9542 CHILD AND FAMILY PSYCHIATRY**

*Prerequisites: Psychiatry Clerkship*

Observation and interaction with children and adolescents in a variety of settings. Working with children and their families.

Year in Program: 4   # of Weeks: 2,4

**PSBS 9543 CONSULTATIVE PSYCHIATRY**

*Prerequisites: Psychiatry Clerkship*

Focuses on inpatient and outpatient psychiatric consultation in three patient care settings. Educational experiences occur in conjunction with a resident in psychiatry. Special reading assignments will be coordinated by the attending and students are encouraged to participate in Consultation Research with the attending.

Year in Program: 4   # of Weeks: 2,4

**RADI 9740 RADIOLOGY ELECTIVE**

*Prerequisites: Completion of Medicine and Surgery Clerkships*

The primary aim of this course is to give the student a foundation in the basics of x-ray interpretation. The student will also be introduced to the indications and applications of the radiological subspecialties including ultrasound, computerized tomography, magnetic resonance imaging, nuclear medicine, and angiography.

Year in Program: 4   # of Weeks: 4

**SURG 9779 SURGERY RELATED BASIC SCIENCE RESEARCH**

*Prerequisite: Surgery Clerkship*

A surgery related basic science research experience in immunology or molecular biology. The course is designed for students interested in multidisciplinary research and publication.

Year in Program: 4   # of Weeks: 4

**SURG 9782 GENERAL SURGERY SUB-INTERNSHIP**

*Prerequisite: Surgery Clerkship*
Rotation is done at St. John Medical Center or Saint Francis Hospital (trauma). Exposure to the multiple aspects of general surgery, thoracic, and peripheral vascular surgery. Management of major surgical patients, including intensive care and participation in critically ill cases.

Year in Program: 4 # of Weeks: 4

**SURG 9783 THORACIC AND CARDIOVASCULAR SURGERY**

*Prerequisite: Surgery Clerkship*

The surgery principles of thoracic and cardiovascular surgery, with emphasis on physical examination, detailed review of cineangiograms, and peripheral vascular arteriograms.

Year in Program: 4 # of Weeks: 4

**SURG 9784 PLASTIC SURGERY**

*Prerequisite: Surgery Clerkship*

A preceptorial surgical experience in plastic surgery.

Year in Program: 4 # of Weeks: 4

**SURG 9785 SURGICAL EXTERNSHIP - TULSA BURN CENTER**

*Prerequisites: Surgery, Medicine and Pediatric Clerkships*

A clinical experience in an acute care burn unit.

Year in Program: 4 # of Weeks: 4

**SURG 9787 SURGICAL PATHOLOGY**

*Prerequisite: Surgery Clerkship*

A preceptorial surgical experience in surgical pathology.

Year in Program: 4 # of Weeks: 4

**SURG 9790 REVIEW OF SURGICAL CLINICAL TRIALS**

A literature and surgical clinical trial data base review inclusive of extraction of specific data sets, analysis of data, and statistical interpretation of data. This course is designed for analytically-minded students who may want to co-author review articles.

Year in Program: 4 # of Weeks: 4

**UROL 9831 UROLOGY ELECTIVE**

A rotation designed to familiarize students with the common diseases of the male and female urinary tract and their diagnoses and treatments. Students are expected to understand the
mechanism of urologic diseases, to properly examine patients, to familiarize themselves with diagnostic procedures; and to learn currently accepted methods of therapy. Student’s duties consist of admitting examinations, rounds assistance in surgery and observation of the office practice of urology. A course of lectures on urologic disease is provided.

Year in Program: 4 # of Weeks: 4

**OFF CAMPUS ELECTIVE (9970)**

*Prerequisites: Approval of the Academic Department, College of Medicine*

An off-campus elective is defined as work not at the College of Medicine-Tulsa, the Health Sciences Center, or in a formally affiliated hospital; nor under the direct supervision of a member of the full-time faculty of the College of Medicine. A statement from the course director of the proposed elective concerning the supervision and grading of student’s experience and a detailed course description of the proposed elective are required.

NOTE: Special procedures must be followed for taking an off-campus elective and an application form must be completed.

Year in Program: 4 # of Weeks: 4,8,12

Contact Person: Wendy Palmer Phone: (918) 660-3502

**SPECIAL STUDIES (9990)**

*Prerequisites: Approval from Associate Dean, College of Medicine*

A special studies course is designed to provide an in-depth study of a specific subject in a particular area or discipline for which there is no existing approved course. The purpose of this elective is to allow the student to spend a period of time in full-time study working directly with a faculty member to further enhance the student's clinical and/or research skills. The elective may be repeated with a change of subject matter.

NOTE: A special studies course form must be submitted.

Year in Program: 4 # of Weeks: 4,8

Contact Person: Wendy Palmer Phone: (918) 660-3502