

## CLINICAL ELECTIVES

Elective	Course #	Department	Description
Anatomy – Head & Neck <b>Not available to visiting students</b>	ANAT 891	Pathology and Human Anatomy	A self-designed and self-directed dissection elective with an emphasis in the head or neck correlating basic anatomy with clinical applications. Each 2-week elective requires 36 hours of dissection time. Preceptor Dr. Ben Nava. Duration: 2-4 weeks – availability varies throughout the year
Anatomy – Abdomen & Pelvis <b>Not available to visiting students</b>	ANAT 891	Pathology and Human Anatomy	A self-designed and self-directed dissection elective with an emphasis in the abdomen or pelvis correlating basic anatomy with clinical applications. Each 2-week elective requires 36 hours of dissection time. Preceptor Dr. Bertha Escobar-Poni. Duration: 2-4 weeks – availability varies throughout the year
Anatomy – Thorax & Upper Limb <b>Not available to visiting students</b>	ANAT 891	Pathology and Human Anatomy	A self-designed and self-directed dissection elective with an emphasis in the thorax or upper limbs correlating basic anatomy with clinical applications. Each 2-week elective requires 36 hours of dissection time. Preceptor Dr. Ken Wright. Duration: 2-4 weeks – availability varies throughout the year
Anatomy – Back & Lower Limb <b>Not available to visiting students</b>	ANAT 891	Pathology and Human Anatomy	A self-designed and self-directed dissection elective with an emphasis in the back or lower limbs correlating basic anatomy with clinical applications. Each 2-week elective requires 36 hours of dissection time. Preceptor Dr. John Banks. Duration: 2-4 weeks – availability varies throughout the year
Anesthesiology	ANES 891	Anesthesiology	Student to work with resident and attending physicians in anesthesiology, participating in anesthesia for general surgical procedures as well as specialty procedures. Duration: 2-4 weeks year-round LLUMC, East Campus, LLVA
Biochemistry – Basic Science <b>Not available to visiting students</b>	BCHM 891	Biochemistry	Fourth-year elective that allows the student to create materials for team-based learning in the biochemical basis of human disease. Includes identifying a disorder that has clear and characteristic biochemical manifestations; as well as preparing a set of teaching notes, assessment tools, and application exercises. Duration: 2 weeks September-April
Dermatology	DERM 891	Dermatology	To familiarize students and give student basic

			skills needed for the proper approach to clinically examining, diagnosing and treating skin diseases. Duration: 4 weeks year-round
Critical Life Narratives in Medical Practice <b>Not available to visiting students</b>	MDCJ 891		Designed to assist students to connect their formative experiences, family attitudes and practices, and personal identifying characteristics to their role as physician. Reflective papers, clinical assignments, experiential learning. Duration: 2 weeks to be determined
Sexual Issues in Clinical Care <b>Not available to visiting students</b>	MDCJ 891		A two-week classroom course that teaches students how to understand, assess, and offer interventions for patients with sexual concerns secondary to medical conditions. Sexual socialization, attitudes, practices, identities, health, and characteristics over the lifespan will be discussed. A model will be provided for assessment and intervention. Limit: 20 students. Duration: 2 weeks to be determined
Emergency Medicine	EMDN 891	Emergency Medicine	Students will learn basic resuscitation skills, familiarize student with airway management, introduction to managing multiple patients simultaneously, introduction to emergency in surgery, medicine, pediatrics and Ob/Gyn. Duration: 2-4 weeks year-round
Emergency Medicine-Pediatrics	EMDN 891	Emergency Medicine	Student to gain clinical experience in the emergency department management of acutely ill or injured children. Duration: 2-4 weeks August-November
Emergency Medicine-Research <b>Not available to visiting students</b>	EMDN 891	Emergency Medicine	Rotation will allow the student to participate in research and be closely mentored by a faculty supervisor. Duration: 2-4 weeks – availability varies throughout the year.
Emergency Medicine-Critical Care <b>Not available to visiting students</b>	EMDN 891	Emergency Medicine	To increase knowledge in research areas and advances in treatment of critically ill patients in the emergency department or pre-ICU period. Duration: 4 weeks July-May
Emergency Medicine-Emergency/Critical Care Ultrasound	EMDN 891	Emergency Medicine	Student will be able to advance their skills in point-of-care ultrasound in the emergency department and MICU. Duration: 4 weeks academic year
Clinical Ethics <b>Not available to visiting students</b>	MDCJ 891		To introduce the student to the precepts of medical ethics as well as to become familiar with the role that the Clinical Ethics service plays in the medical institution setting. Duration: 2 weeks; 1 student per rotation throughout academic year.

Family Medicine - General Outpatient	FMDN 891	Family Medicine	To provide the student with a broad experience in evaluation and management of common problems in the ambulatory setting of family practice by integrating physical, psychosocial and spiritual aspects of individual and family. Duration: 2-4 weeks year-round Various locations
Family Medicine - Palliative Medicine <b>Not available to visiting students</b>	FMDN 891	Family Medicine	Student to develop fundamental knowledge concerning issues in end-of-life care. Duration: 2 weeks August-November and January-June
Family Medicine - Sports Medicine <b>Not available to visiting students</b>	FMDN 891	Family Medicine	To provide the student with a broad experience in evaluation and management of common problems associated with sports injuries. Duration: 2-4 weeks Kaiser, Fontana
Family Medicine - WMMC <b>Not available to visiting students</b>	FMDN 891	Family Medicine	Student may elect either an inpatient or outpatient experience, or a combination of both. Duration 2-4 weeks academic year White Memorial Medical Center
Family Medicine - General Inpatient	FMDN 891	Family Medicine	Student to participate as a member of the family medicine inpatient service team providing care for patients, also the student will spend two or three afternoons seeing patients in the Family Medicine Center. Duration: 2-4 weeks year-round Various locations
Integrative and Functional Medicine	PRVM 891	Preventive Medicine	Students will develop skills and gain practical experience in blending allopathic treatment plan with various Integrative and Functional approaches into a comprehensive therapeutic plan. Students will become familiar with evidence-based approaches specific to each of these medical systems. Duration: 2 weeks year- round clinical
Integrative and Functional Medicine <b>Not available to visiting students</b>	PRVM 891	Preventive Medicine	Students will develop skills and gain practical experience in blending allopathic treatment plan with various Integrative and Functional approaches into a comprehensive therapeutic plan. Students will become familiar with evidence-based approaches specific to each of these medical systems. Duration: 2 weeks didactic – Feb 29-Mar 11, 2016
Internal Medicine – Cardiology/Stress Testing <b>Not available to visiting students</b>	MEDN 891	Medicine	Students will become familiar with treadmill and nuclear stress tests. Exposure to echo reading and heart catheterization procedures. Duration: 2 weeks year-round LLVA
Internal Medicine –	MEDN 891	Medicine	Interact with patients in a gastroenterology

Gastroenterology <b>Not available to visiting students</b>			clinic. Interactions will involve physical exam and gathering history, followed by formulation of an assessment and treatment plan. Also, ample time will be spent observing and assisting in GI procedures. Duration: 2 weeks year-round Salem, Oregon
Internal Medicine – Gastroenterology <b>Not available to visiting students</b>	MEDN 891	Medicine	To provide students with a structured educational program in the broad field of gastroenterology and in evaluation of patients with gastrointestinal disease, major clinical GI syndromes, abdominal pain, pancreatic disease, upper and lower GI bleeding, reflux esophagitis, cirrhosis, acid peptic disease, diarrhea, inflammatory bowel disease, malabsorption, GI cancers and hepatitis-viral. Duration: 2-4 weeks academic year LLVA
Internal Medicine – General Medicine <b>Not available to visiting students</b>	MEDN 891	Medicine	Four-week elective working as a sub-internship. Student will work under the attending physician and senior resident caring for patients on the Internal Medicine medical ward. Duration: 4 weeks academic year LLUMC
Internal Medicine – Chemical Dependency <b>Not available to visiting students</b>	MEDN 891	Medicine	Students will be working in the Addictions Treatment Program which provides a continuum of care, in an ambulatory setting for patients with substance use disorders at the VA Medical Center. Duration: flexible
Internal Medicine – Wound Services <b>Not available to visiting students</b>	MEDN 891	Medicine	Students will receive education on hyperbaric oxygen (HBO) therapy and education on new approaches to wound healing management. Duration: 2-4 weeks year-round
Internal Medicine – Gastroenterology	MEDN 891	Medicine	Students to learn basic gastroenterology through reading, seeing patients and discussion of patients and their diseases. Duration: 2-4 weeks year-round LLUMC
Internal Medicine – Nephrology	MEDN 891	Medicine	To introduce students to nephrology. The major teaching being done in the clinics, with consults on the wards. Self-study will be greatly encouraged. Duration 2-4 weeks year-round LLUMC
Internal Medicine – Nephrology <b>Not available to visiting students</b>	MEDN 891	Medicine	Designed to provide the student with a structured educational program in the broad field of nephrology. Duration: 4 weeks year-round LLVA

Internal Medicine – CCU <b>Not available to visiting students</b>	MEDN 891	Medicine	Inpatient experience as sub-internal dealing with hospitalized cardiac patients. Duration: 2-4 weeks year-round LLUMC
Internal Medicine – Rheumatology	MEDN 891	Medicine	Students to gain a better understanding of the rheumatologic disease and the methods for management for both inpatient and outpatient setting. Duration: 2-4 weeks; <b>Visiting students: 4 wks</b> LLUMC, FMO, LLVA, Arrowhead Regional Medical Center
Internal Medicine – Pediatrics (Med-Peds)	MEDN 891	Medicine/Pediatrics	Students will receive exposure to what a general med-peds physician’s practice entails. This includes inpatient and outpatient settings. Duration: 2-4 weeks year-round
Internal Medicine – Pulmonary <b>Not available to visiting students</b>	MEDN 891	Medicine	Students will gain a better understanding of pulmonary disease and common methods of management in the outpatient and inpatient setting, and will observe a clinician in his/her personal practice who has a reputation for practicing whole person compassionate care. Duration: 2 weeks year-round LLVA
Internal Medicine – Pulmonary / Critical Care <b>Not available to visiting students</b>	MEDN 891	Medicine	Student functions as sub-internal on the ICU team or in the pulmonary consultation team. Duration: 4 weeks year-round LLUMC, LLVA
Internal Medicine – Oncology/Hematology <b>Not available to visiting students</b>	MEDN 891	Medicine	Students to become familiar with diagnosis, treatment, precautions and natural history of common malignancies. Review and approach to an analysis of the peripheral blood smear. Also, to become familiar with use of chemotherapy and biological response modifiers. Duration: 2-4 weeks September-June
Internal Medicine – Infectious Disease <b>Not available to visiting students</b>	MEDN 891	Medicine	Student to become familiar with inpatient infectious diseases including diagnosis and management. Student to become acquainted with the use and abuse of antimicrobials and their dosing. An organized physiologic-based approach to diagnosis, student will have exposure to a variety of common infectious disease problems and will learn to solve problems by searching the literature. Duration: 2-4 weeks year-round LLVA
Internal Medicine – Infectious Disease <b>Not available to visiting students</b>	MEDN 891	Medicine	Student to become acquainted with the use and abuse of antimicrobials and their dosing. An organized physiologic-based approach to diagnosis, student will have exposure to a

			variety of common infectious disease problems and will learn to solve problems by searching the literature. Duration: 2-4 weeks year-round LLUMC, LLVA
Internal Medicine – Hepatology <b>Not available to visiting students</b>	MEDN 891	Medicine	To expose the student to a wide spectrum of liver problems, including the very simple to the very complex. Duration: 2-4 weeks year-round
Internal Medicine – Clinical Ethics <b>Not available to visiting students</b>	MEDN 891	Medicine	Introduce students to the main principles of clinical ethics decision-making. Apply the principles to clinical ethics consultations. Explore in depth a clinical ethics topic of student’s choice. Introduce the student to organizational ethics. Duration: 2 weeks year-round
Internal Medicine – Endocrinology <b>Not available to visiting students</b>	MEDN 891	Medicine	Introduce the student to clinical endocrinology. The majority of the teaching will be done in the outpatient clinics. There will be an opportunity to help with patient consultations. Duration: 2-4 weeks year-round LLUMC, LLVA, Riverside General Hospital, San Bernardino County Medical Center
Internal Medicine – Cardiology <b>Not available to visiting students</b>	MEDN 891	Medicine	Student to work in non-invasive cardiology or consultative and ward service in cardiology. Duration: 4 weeks year-round White Memorial Medical Center
Internal Medicine – Geriatrics <b>Not available to visiting students</b>	MEDN 891	Medicine	Students learn how to do a comprehensive geriatric assessment, and diagnose and treat the major geriatric syndromes. Duration: 2-4 weeks year-round LLVA
Internal Medicine – Pathophysiology <b>Not available to visiting students</b>	MEDN 891	Medicine	Intended for students who have an interest in academic Internal Medicine and the desire to become medical faculty. Will reinforce and augment the comprehension of pathophysiology as it relates to: 1) teaching preclinical students; 2) evaluating pathophysiologic knowledge and concepts in others, and 3) the application of pathophysiologic principles to patient care. Duration: 2-4 weeks September-April
Internal Medicine – Evidence-based Medicine <b>Not available to visiting students</b>	MEDN 891	Medicine	Intended for the academic senior medical student interested in becoming a self-directed, adult learner by building on the basic skills first taught in the freshmen and sophomore year courses of Evidence-based Medicine and Clinical Preventive Medicine. After gaining clinical experience in the junior year, this elective is intended to expand the student’s basic skills of EBM to become a skilled user,

			<p>immersed within the context of the residency specialty of their choice.</p> <p>Duration: 2-4 weeks year-round</p> <p>LLVA, Riverside County Regional Medical Center</p>
Neurology	NEUR 891	Neurology	<p>A neurology elective available for students interested in further in-depth neurology education. The elective can be either outpatient subspecialty focused or neurophysiology focused. Subspecialty clinics can be attended with faculty, learning the approach to a certain group of patients. Neurophysiology includes introduction and education in EEG, EMG, and intra-operative monitoring principles, techniques, and interpretation.</p> <p>Duration: 4 weeks year-round</p>
Neurology	NEUR 891	Neurology	<p>The elective goals are to learn and demonstrate the ability to take a thorough neurologic history and perform reliably a thorough neurologic exam, document the evaluation and present it appropriately. The ability to localize a lesion in the neuroaxis and build a differential diagnosis is also learned. Work up and treatment discussions are done in clinic and on rounds. Brief exposure to clinical neurophysiology and physical medicine and rehabilitation is provided. Rotating students work with faculty, residents, and other students.</p> <p>Duration: 2-4 weeks year-round</p>
Nutrition	PRVM 891	Preventive Medicine	<p>Elective will orient students to hospital, clinic, public health and community based nutrition education opportunities available for patients. Student's knowledge will be enriched through online nutrition modules for physicians and student will complete a white paper and personal lifestyle improvement project.</p> <p>Duration: 2 weeks year-round</p>
Spanish Language Instruction-Valle de Angeles, Honduras <b>Not available to visiting students</b>	PRVM 891	Preventive Medicine	<p>Students will gain experience in providing care to a Spanish-speaking population in Honduras working in a teaching hospital, village outreach, local orphanages. They will also receive instruction in the Spanish language for health care providers.</p> <p>Duration: 4 weeks</p>
Medical Spanish Immersion-UPeU, Lima Peru <b>Not available to visiting students</b>	PRVM 891	Preventive Medicine	<p>Customized medical Spanish immersion program that combines half-day medical Spanish study with half-day clinical rotations at various hospital settings and community clinics. Students will have the opportunity to</p>

			experience UPeU campus life and cross-cultural exchange with UPeU medical students. Duration: 4 weeks
Ob-Gyn <b>Not available to visiting students</b>	GYOB 891	Gynecology & Obstetrics	Students will explore different areas of Ob-Gyn such as general Ob-Gyn, outpatient clinics, high risk Ob and gynecological oncology. Duration: 2-4 weeks year-round
Ob-Gyn <b>Not available to visiting students</b>	GYOB 891	Gynecology & Obstetrics	Students to gain a more in-depth appreciation for the scope of low and high risk obstetrics and gynecology. Duration: 4 weeks year-round White Memorial Medical Center
Ob-Gyn <b>Not available to visiting students</b>	GYOB 891	Gynecology & Obstetrics	Students to spend time with perinatologist in busy clinical practice, gaining understanding of ultrasound, amniocentesis, and prenatal diagnosis, as well as management of other high risk complications. Duration: 4 weeks year-round White Memorial Medical Center
Ophthalmology	OPHM 891	Ophthalmology	To learn about specific eye diseases by working with comprehensive ophthalmologists trained in certain fellowships such as glaucoma, retinal diseases, pediatric ophthalmology, neuro, oculoplastics, cornea, and laser surgery. Duration: 2-4 weeks clinical year round FMO, LLVA, Riverside County Regional Medical Center
Ophthalmology - Research <b>Not available to visiting students</b>	OPHM 891	Ophthalmology	Elective is 90% research and 10% clinical. Students will work with a preceptor prior to starting to complete a research proposal and submission to the IRB. Duration: to be arranged with preceptor
Orthopaedic Surgery	ORTH 891	Orthopaedic Surgery	The student will primarily learn about musculoskeletal physical examination of the orthopaedic patient, and subsequent diagnosis and treatment skills and options. Duration: 2-4 weeks year-round
Orthopaedic Surgery – Musculoskeletal Ultrasound	ORTH 891	Orthopaedic Surgery	Students will spend time with physicians who are using MS US in daily practice for diagnosis and procedures. Goals: Recognize MS tissue; planar anatomy; recognize abnormalities; use of US in needle placement. Duration: 2 weeks year-round
Orthopaedic Surgery – Hand/Upper Extremity	ORTH 891	Orthopaedic Surgery	The student will primarily learn about hand and upper extremity physical examination of the orthopaedic patient, and subsequent diagnosis and treatment skills and options. Duration: 2-4 weeks year-round
Orthopaedic Surgery – Total Joints	ORTH 891	Orthopaedic Surgery	The student will primarily learn about knee and hip joint physical examination of the orthopaedic patient, and subsequent diagnosis



			and treatment skills and options. Duration: 2-4 weeks year-round
Orthopaedic Surgery – Spine	ORTH 891	Orthopaedic Surgery	The student will primarily learn about spine musculoskeletal physical examination of the orthopaedic patient, and subsequent diagnosis and treatment skills and options. Duration: 2-4 weeks year-round
Orthopaedic Surgery – Peds Ortho	ORTH 891	Orthopaedic Surgery	The student will primarily learn about physical examination of the pediatric orthopaedic patient, and subsequent diagnosis and treatment skills and options. Duration: 2-4 weeks year-round
Orthopaedic Surgery – Trauma	ORTH 891	Orthopaedic Surgery	The student will primarily learn about musculoskeletal physical examination of the orthopaedic trauma patient, and subsequent diagnosis and treatment skills and options. Duration: 2-4 weeks year-round
Orthopaedic Surgery – Oncology	ORTH 891	Orthopaedic Surgery	The student will primarily learn about musculoskeletal physical examination of the orthopaedic oncology patient, and subsequent diagnosis and treatment skills and options. Duration: 2-4 weeks year-round
Orthopaedic Surgery – Sports Medicine	ORTH 891	Orthopaedic Surgery	The student will primarily learn about musculoskeletal physical examination of the sports medicine orthopaedic patient (shoulder, elbow and knee), and subsequent diagnosis and treatment skills and options. Duration: 2-4 weeks year-round
Orthopaedic Surgery – General Ortho at ARMC <b>Not available to visiting students</b>	ORTH 891	Orthopaedic Surgery	The student will primarily learn about musculoskeletal physical examination of the orthopaedic patient, and subsequent diagnosis and treatment skills and options. Duration: 2-4 weeks year-round
Anatomic Pathology	PATH 891	Pathology and Human Anatomy	Students will have exposure to the field of practical anatomic pathology, with emphases on (1) proper handling, gross description and microscopic diagnosis of tissues removed at surgery; (2) process of intra-operative consultation (i.e. “rapid frozen section”) including its indications and limitations; and (3) process of hospital-based autopsy. Make-up assignments will be given if absence is in excess of two days during a 2-week rotation. Duration: 2-4 weeks year-round
Educational Pathology <b>Not available to visiting students</b>	PATH 891	Pathology and Human Anatomy	Students will have the opportunity to evaluate, modify, and improve course material for the Systemic Pathology course. Students will use their clinical experience and in depth review to update assigned learning modules. Students will be expected to create quizzes, practice test questions, Team-Based learning vignettes and

			<p>teaching PPT's. Students will also be able to use their interpersonal relations skills while working one on one with faculty and office staff.</p> <p>Duration: 2-4 weeks year-round</p>
<p>Molecular Embryology <b>Not available to visiting students</b></p>	PATH 891	Pathology and Human Anatomy	<p>Students will perform common molecular diagnostic methods including PCR, gel electrophoresis, FISH, ISH, and automated DNA sequencing. Also will participate in translational medical research projects that use these techniques to demonstrate the molecular basis of a pathobiologic process.</p> <p>Duration: 2-4 weeks year-round</p>
<p>Hematopathology <b>Not available to visiting students</b></p>	PATH 891	Pathology and Human Anatomy	<p>Students will review basic morphology of blood and lymphoid diseases as well as participate in diagnosis of current cases.</p> <p>Duration: 2-8 weeks year-round</p>
<p>Patient Safety <b>Not available to visiting students</b></p>	MDCJ 891		<p>Overview of quality and patient safety focusing on Adverse Events/Occurrence Management, Clinical Quality Improvement, Clinical Documentation Improvement, Performance Improvement Regulatory Readiness, Clinical Decision Support, Teamwork and Communication and General Quality/Best Practices. Directed reading, media and online learning join with one-on-one interviews, committee participation and regulatory survey support (as they occur) to build a full picture of the patient safety world and equip the future physician to enrich the safety culture of their future organization(s).</p> <p>Duration: 4 weeks year-round</p>
<p>Pediatrics – Adolescent Medicine <b>Not available to visiting students</b></p>	PEDS 891	Pediatrics	<p>Inpatient/outpatient exposure to adolescent patients, including family planning clinic. Broaden knowledge of pediatrics in the realm of adolescent medicine. This rotation allows students to function as sub-interns. Preference to students going into Pediatrics.</p> <p>Duration: 2-4 weeks year-round</p>
<p>Pediatrics – Allergy / Immunology / Pulmonology</p>	PEDS 891	Pediatrics	<p>Students become familiar with evaluation and management of children with allergic rhinitis, bronchial asthma, atopic dermatitis, food, drug and insect allergies. Exposure to children with cystic fibrosis and common pediatric immune deficiency.</p> <p>Duration: 2-4 weeks year-round for LLU students; 4 weeks year-round for visiting students</p>
<p>Pediatrics – Cardiology</p>	PEDS 891	Pediatrics	<p>Basic understanding of fetal circulation and newborn circulatory adjustments. Anatomy, physiology and medical-surgical treatment of</p>

			most common congenital heart diseases. Duration: 2-4 weeks year-round for LLU students; 4 weeks year-round for visiting students
Pediatrics – Diabetic Camp / Pediatric Endocrinology <b>Not available to visiting students</b>	PEDS 891	Pediatrics	Give student hands-on learning about everyday management of children and teenagers with diabetes. Become proficient in glucose testing, drawing up insulin and giving injections. Learn to deal with physical, emotional and social problems of the pediatric diabetic patient. Duration: 2 weeks year-round (1 week camp; 1 week outpatient clinic). (Limited to July and August dates and availability per camp session)
Pediatrics – Endocrinology	PEDS 891	Pediatrics	Students develop an understanding of normal growth and pubertal development. Have an understanding of common endocrine problems. Introduced to endocrine disorders such as CAH, delayed puberty, etc. Duration: 2-4 weeks year-round for LLU students; 4 weeks year-round for visiting students
Pediatrics – Forensic Pediatrics <b>Not available to visiting students</b>	PEDS 891	Pediatrics	Propel student to the understanding and conviction that children are extremely vulnerable. Exposure to the reality of sexual abuse in children. Beginning recognition of possible child abuse. How to report child abuse and physician’s legal responsibilities. Duration: 2 weeks year-round
Pediatrics – Gastroenterology	PEDS 891	Pediatrics	Inpatient and outpatient exposure to major issues and disease in pediatric GI. Exposure to effect of GI disease on normal growth and development. Duration: 2-4 weeks year-round for LLU students; 4 weeks year-round for visiting students
Pediatrics – Infectious Disease	PEDS 891	Pediatrics	Student functions as sub-intern. Inpatient and outpatient exposure to pediatric ID, including pediatric AIDs patients. Broaden knowledge of pediatrics in the realm of Infectious Disease. Duration: 2-4 weeks year-round for LLU students; 4 weeks year-round for visiting students
Pediatrics – Nephrology	PEDS 891	Pediatrics	Students will be exposed to the most common pediatric nephrologic problems. Exposure to fluid management in renal failure patients. Exposure to types of renal dialysis in the pediatric patient, from premature neonate to adolescent. Exposure to pediatric renal transplant patients. Duration: 2-4 weeks year-round for LLU students; 4 weeks year-round for visiting

			students
Pediatrics – Neurology Outpatient	PEDS 891	Pediatrics	Students will become familiar with common pediatric neurologic problems. Duration: 2-4 weeks year-round for LLU students; 4 weeks year-round for visiting students
Pediatrics – Neurology Inpatient w/Call	PEDS 891	Pediatrics	Exposure and familiarity with common pediatric neurologic problems. Student to function as sub-intern. <b>Mandatory overnight call.</b> Duration: 2-4 weeks year-round for LLU students; 4 weeks year-round for visiting students
Pediatrics – Hem/Onc Inpatient w/Call	PEDS 891	Pediatrics	Student will function as sub-intern on inpatient service. Exposure to common pediatric hematologic and oncology problems such as ALL; neuroblastoma, Wilms, Sickle Cell Disease, Hemophilia, etc. <b>Mandatory overnight call.</b> Duration: 2-4 weeks year-round for LLU students; 4 weeks year-round for visiting students
Pediatrics –NICU w/Call	PEDS 891	Pediatrics	Students will get an understanding of common diseases of the newborn (pre-term, term, post-term). Active participation in care and management of sick newborns. Understanding of the biopsychosocial aspects of the newborn and family, including bonding and grieving. <b>Mandatory overnight call.</b> Duration: 2-4 weeks year-round for LLU students; 4 weeks year-round for visiting students
Pediatrics – Newborn Nursery <b>Not available to visiting students</b>	PEDS 891	Pediatrics	Exposure to newborns in the first few hours of life, both post routine and C-section deliveries. Broaden knowledge of pediatric newborn medicine and newborn complications. Allow student to function as sub-intern. Duration: 2 weeks year-round
Pediatrics – Parental / Neonatal Bonding <b>Not available to visiting students</b>	PEDS 891	Pediatrics	To provide students who are parents of a newborn the opportunity to experience the physical, emotional and psychological issues involved in caring for a newborn, and to use methods to incorporate this into a whole person care for infants and new parents. Infant must be less than 1 month at start of rotation. Duration: 2 weeks year-round
Pediatrics – Rheumatology <b>Not available to visiting students</b>	PEDS 891	Pediatrics	Provide inpatient and outpatient exposure to pediatric rheumatology conditions such as juvenile rheumatoid arthritis and systemic lupus erythematosus. Allow student to function as sub-intern.

			Duration: 2 weeks year-round
Integrative Pharmacology <b>Not available to visiting students</b>	PHRM 891	Pharmacology	Designed for senior students to apply basic pharmacology principles to clinical practice, teaching, and literature review. Students can choose from one or more modules: simulation (participate in and develop OSCE, HARVEY, SIM Labs), personal formulary (in depth research into treatment options for specific diseases/conditions), teaching (tutor, develop teaching modules for specific drug classes), and research (develop a research proposal for addressing novel questions/problems in pharmacology). Contact Dr. Khiet Ngo at <a href="mailto:kngo@llu.edu">kngo@llu.edu</a> for more information. Duration: 2-4 weeks
Physical Medicine and Rehabilitation	PMRH 891	Physical Medicine and Rehabilitation	Students are familiarized with the spectrum of rehabilitative patient problems and learn how to formulate a treatment program for them. Students learn the role of rehabilitation medicine and experience the variety of inpatient, outpatient, consulting and laboratory services. Duration: 2-4 weeks year-round
Preventive Medicine	PRVM 891	Preventive Medicine	Students will get to explore clinical lifestyle medicine, public health, smoking cessation, weight management, nutrition, student health, occupational medicine, and more. Duration: 2 weeks August - May
Preventive Medicine (CHIP) <b>Not available to visiting students</b>	PRVM 891	Preventive Medicine	Students participate in organization and presentation of a Coronary Health Improvement Project (CHIP). To understand the core knowledge and skill base for Lifestyle Medicine. Duration: Contact department for available dates. Usually Oct/Nov and Feb/March; subject to change.
Preventive Medicine / Occupational Medicine	PRVM 891	Preventive Medicine	Students will gain exposure to industry injury care, pre-placement physicals, health of a company's workers. Students will also work with industry to improve safety in the work-place. Duration: 2 weeks year-round
Psychiatry – Inpatient VAH-2NE	PSYT 891	Psychiatry  Leia Gill William Hayton	Students will work with adults admitted on an inpatient psychiatric unit. Strongly focuses on issues of PTSD and Chemical Dependency in addition to other mental health concerns. Duration: 2-4 weeks year-round VA Medical Center Psychiatry Inpatient Unit
Psychiatry - Inpatient Adult Psychiatry BMC Adult	PSYT 891	Psychiatry  Cameron Johnson	Student will work with adults admitted on an inpatient psychiatric unit. Opportunity to work with Attending MDs invested in lecturing

<b>Not available to visiting students</b>		Melissa Perea	medical students. Duration: 2 weeks year-round Behavioral Medicine Center
Psychiatry – Inpatient Child/Adol Psychiatry BMC Child/Adol	PSYT 891	Psychiatry  William Murdoch (Child)  Irene Ciovica Frank Randall (Adolescent)	Student will work with children admitted on an inpatient psychiatric unit. Opportunity to work with families. There will be daily group psychotherapy experience and family therapy experience.  Student will work with adolescents admitted on an inpatient psychiatric unit. Opportunity to work with teens with drug and alcohol issues in addition to mental health issues. There will be daily group psychotherapy experience and family therapy experience. Duration: 2 weeks year-round Behavioral Medicine Center
Psychiatry – Outpatient Child/Adol Partial BHI Child/Adol	PSYT 891	Psychiatry  William Murdoch (Child)  Ara Anspikian (Adolescent)	Students will work in a day treatment program for children and adolescents recently hospitalized in an acute inpatient setting. Opportunity to work closely with families and see significant patient progress in a short amount of time. Duration: 2 weeks year-round Behavioral Health Institute
Psychiatry - Inpatient Gero-psychiatry BMC Gero <b>Not available to visiting students</b>	PSYT 891	Psychiatry  Stephanie Bolton	Students will work with geriatric patients on an inpatient psychiatric unit. Opportunity to work with families of patients with Dementia and Delirium. Student to carry a caseload of 4-5 patients under the daily supervision of preceptor. Duration: 2 weeks year-round Behavioral Medicine Center
Psychiatry – Outpatient BMC Kaiser Adult	PSYT 891	Psychiatry  Bryan Wick	Students will work with an inpatient psychiatric population that include medically complex cases and rarely seen pathology. Duration: 2 weeks year-round Behavioral Medicine Center
Psychiatry – Inpatient & Outpatient Psychiatric MC Consult & Liaison <b>Not available to visiting students</b>	PSYT 891	Psychiatry  Timothy Lee	Students will work on consult service at LLUMC evaluating patients on medical units with comorbid psychiatric issues. Has opportunity to work closely with therapists in the hospital setting and management of pediatric cases. Daily rounds, about 2 hours per day, with attending physician and resident. Daily consultations to work up. Weekly grand rounds. Forty hours per week. No on-call duty. Duration: 2 weeks year-round Loma Linda University Medical Center
Psychiatry –	PSYT 891	Psychiatry	Students will work a day treatment program

Outpatient BHI Eating Disorder		Melissa Perea	focused on treating patients with Anorexia and Bulimia. Opportunity to learn medical management of this difficult patient population. Duration: 2 weeks year-round Behavioral Health Institute
Psychiatry – Inpatient & Outpatient Addictions	PSYT 891	Psychiatry Ricardo Whyte Mihran Ask	Students will work as a sub-intern, take care of 3-4 patients under close supervision. May also include management of patients in clinic with direct supervision and attend AA meetings. Duration: 2 weeks year-round Behavioral Medicine Center or VA Medical Center
Psychiatry – Outpatient BHI Partial	PSYT 891	Psychiatry Melissa Perea	Students will work as a sub-intern, helping to manage acute crisis in an outpatient partial hospital program under direct supervision. Includes observation of group therapy focused on treating women with trauma and PTSD. Duration: 2 weeks year-round Behavioral Health Institute
Psychiatry – Outpatient BMC Partial	PSYT 891	Psychiatry Melissa Perea Cameron Johnson	Student will work with patients in an outpatient depression treatment program, see mental health groups, get experience doing new patient workups and learn complex medication management strategies. Duration: 2 weeks year-round Behavioral Medicine Center
Psychiatry – Outpatient Psychopharmacology and Behavioral Science	PSYT 891	Psychiatry Melissa Perea Frank Randall	Students with interest in psychiatry and behavioral sciences to pursue scholarly activities within the field with the goal of cultivating life-long interest in education and research. 2 weeks considered Basic Science Duration: 2 weeks year-round (Max 6 weeks) Behavioral Health Institute
Psychiatry – Outpatient Beautiful Minds <b>Not available to visiting students</b>	PSYT 891	Psychiatry Daniel Binus	Students with interest in an integrative approach to mental health. Student given an introduction to outpatient psychiatric care that integrates spirituality, nutrition and lifestyle medicine, as well as more traditional medication management and psychotherapy Duration: 2-4 weeks year-round Beautiful Minds – Auburn, CA
Psychiatry – Elective Religion & Psychiatry <b>Not available to visiting students</b>	PSYT 891	Psychiatry Carlos Fayard	This elective provides a time for seniors to reflect seriously on issues relating to spirituality and mental health and on the implications of these issues for patient care. The primary emphasis is on a core set of readings and individual sessions with faculty to discuss the issues raised. In addition, the student is able to view spiritual integration into patient care by observing a faculty member care for patients

			<p>and by participating in chaplain-run groups for psychiatry patients. Finally, the student will observe videotaped lectures and participate in seminars or grand rounds as they relate to spirituality topics.</p> <p>Duration: 2-4 weeks year-round Behavioral Health Institute</p>
Radiology – Angiography-Interventional	RADS 891	Radiology	<p>This 2-week elective is specially designed for 4<sup>th</sup> year students interested in interventional radiology, particularly for students entering specialties such as general surgery, nephrology or vascular surgery. The medical student will be introduced to both the reading and procedure rooms of interventional radiology.</p> <p>Duration: 2 weeks year-round</p>
Radiology – Musculoskeletal	RADS 891	Radiology	<p>This 2-week elective is specially designed for 4<sup>th</sup> year students interested in musculoskeletal radiology, particularly for students entering specialties such as orthopaedics, sports medicine and physical medicine rehabilitation. The medical student will be introduced to both the reading and procedure rooms of musculoskeletal radiology.</p> <p>Duration: 2 weeks year-round</p>
Radiology – Neuroradiology	RADS 891	Radiology	<p>This 2-week elective is specially designed for 4<sup>th</sup> year students interested in neuroradiology, particularly for students entering specialties such as neurology, neurosurgery or psychiatry. The medical student will be introduced to both the reading and procedure rooms of neuroradiology.</p> <p>Duration: 2 weeks year-round</p>
General Radiology	RADS 891	Radiology	<p>This 2-4 week elective is specially designed for 4<sup>th</sup> year students interested in a general overview of radiology regardless of future residency choice. The medical student will be introduced to both the reading and procedure rooms expanding multiple radiology subspecialties including thoracic imaging, abdominal imaging, neuroradiology, musculoskeletal radiology, pediatric radiology and ultrasound.</p> <p>Duration: 2-4 weeks year-round</p>
Radiology – Pediatrics	RADS 891	Radiology	<p>This 2-week elective is specially designed for 4<sup>th</sup> year students interested in fetal/pediatric radiology, particularly students entering specialties such as obstetrics-gynecology, pediatrics or family medicine. The medical student will be introduced to both the reading and procedure rooms of ob-gyn ultrasound and pediatric radiology.</p>



			Duration: 2 weeks year-round
Whole Person Care <b>Not available to visiting students</b>	MDCJ 891		Students have opportunity to spend time in both study and clinical involvement, discover ways to integrate health care to include the physical, mental-emotional, social relations, and spiritual dimensions. Duration: 2-4 weeks July-May
Law and Medicine <b>Not available to visiting students</b>	MDCJ 891		Introduce students to the legal and regulatory world governing the profession of medicine and areas of practice where law and medicine cross paths most frequently and intensely. Duration: 2 weeks
Film and Medicine: Liminality & Whole Person Care <b>Not available to visiting students</b>	MDCJ 891		This elective, through film and conversation, explores selected issues where marginal or liminal arenas challenge medical treatment quality. This commitment requires continuing awareness of the hurdles liminal state impose on patients and their physicians. Duration: 2 weeks
Tropical Medicine Certificate <b>Not available to visiting students</b>	MDCJ 891		Online course modules in health care for immigrant/refugee populations, disaster response, public health, infectious diseases, etc. All 7 modules must be completed to receive credit. Duration: 6 weeks
Surgery – Cardiothoracic	SURG 891	Surgery	Provide the senior medical student with broad exposure to a variety of congenital and acquired cardiothoracic disorders. The student will become familiar with the preoperative evaluation and assessment of patients with common cardiothoracic disease and participate in their preoperative care. Duration: 4-8 weeks year-round
Surgery – ENT	OTOL 891	Surgery	This elective offers an overview of clinical otolaryngology and the basic evaluation and treatment of common head and neck. Students participate in the care of patients and actively participate in the OR. Duration 2-4 weeks year-round
Surgery – General (LLUMC)	SURG 891	Surgery	This elective will expose students to a broad overview of common adult general surgery problems with special emphasis on complex abdominal wall, enterocutaneous fistula, advanced minimally invasive and general surgical procedures. Duration: 4 weeks year-round
Surgery – General (RCRMC) <b>Not available to visiting students</b>	SURG 891	Surgery	This elective is designed for a senior student to perform in an intern’s role on a diverse general surgery service with a special focus on trauma surgery. The rotation is designed for a student who wishes to advance their surgical skills and

			participate in the educational process for 3 <sup>rd</sup> year medical students. Duration: 4 weeks year-round
Surgery – General (VAH) <b>Not available to visiting students</b>	SURG 891	Surgery	This elective is designed to expose students to a broad overview of common adult general surgical problems with special emphases on oncological, thoracic, advanced minimally invasive and general surgical procedures. Duration: 4 weeks year-round
Surgery – Neurosurgery	NEUS 891	Surgery	This elective will acquaint students with the daily practice of neurological surgery and/or related research. To refine the student’s capability in examining the neurosurgically ill patient and in understanding a basic level of surgical management of commonly encountered neurological problems. Duration: 4-6 weeks January-November
Surgery – Pediatric	SURG 891	Surgery	This elective will acquaint the student with the daily practice of pediatric surgery. To improve the student’s ability to perform a history & physical examination on pediatric patients, including neonates and refine the student’s understanding of the embryology, physiology and pathology of very common pediatric surgical conditions. Duration: 4 weeks year-round
Surgery – Plastic and Reconstructive	SURG 891	Surgery	This elective will introduce the student to diversity of plastic and reconstructive surgery practice including craniomaxillofacial surgery, surgery of the hand and complex wound management. To introduce the senior student to the reconstructive “mind-set” and approach to patients. Duration: 2-4 weeks year-round
Surgery – Surgical Oncology	SURG 891	Surgery	This elective will provide students with a broad overview of common adult surgical oncology problems with special emphases on hepatobiliary, colorectal, pelvic, pancreatic, melanoma and soft tissue sarcoma surgical procedures. Duration: 4 weeks year-round
Surgery – Thoracic	SURG 891	Surgery	This elective will provide an introduction / overview of non-cardiac thoracic surgery with emphasis on surgical management of lung cancer, esophageal cancer and benign esophageal disease. Duration: 4 weeks year-round (SM calendar) Location: LLUMC, LLVA
Surgery – Urology	UROL 891	Surgery	This rotation is designed for the elective student to fill the role of an intern on service. The general goal is an overview of general

			urologic practice and some specialties within urology including pediatric urology, urologic oncology and infertility. Duration: 4 weeks year-round
Surgery – Vascular	SURG 891	Surgery	This elective provides students an overview of clinical vascular surgery and the basic pathophysiology of cerebrovascular disease, peripheral vascular disease, management of aneurysms and common extremity problems. Duration: 4 weeks year-round

**WHITE MEMORIAL MEDICAL CENTER  
SUB-I & ELECTIVE ROTATIONS**

All 4th year medical students must contact Patricia Sandoval for rotation availability by e-mail at [sandovp1@ah.org](mailto:sandovp1@ah.org), or by calling 323-881-8840. Not available to visiting students.

4th Year Sub-I or Elective Rotations	# of Students Per Rotation	Duration
<b>Gastroenterology</b> This rotation is designed to provide a structured educational program in a broad field of gastrointestinal diseases: abdominal pain, pancreatic diseases, upper/lower GI bleeding, reflux esophagitis, cirrhosis, acid peptic disorder, diarrhea, inflammatory bowel disorder, malabsorption, GI cancers, hepatitis-viral. Students will work up and follow patients with GI disease as assigned by the resident and/or attending physician on the GI service.	1	2 to 4 weeks
<b>Internal Medicine</b> This 4-week rotation is designed to provide a structured educational program in the broad field of Internal Medicine, specifically as it relates to admission and continuity of care of the hospitalized adult patient. The senior medical student will be assigned to a ward team consisting of a faculty attending, a senior resident, and one or two junior residents or interns. Under the direct supervision of the senior resident, the student will act as "first contact" for all assigned patient encounters	1	4 weeks
	<b>2 with department approval</b>	
<b>ICU-PULMO</b> This rotation is designed to provide a structured educational program in a broad field of all aspects of ICU care, pulmonary medicine consults, pulmonary procedures: bronchoscopy, thoracentesis, etc. Review of pathophysiology of acute medical conditions, major categories of chest diseases, assessments of critically ill patients, and patients with chest diseases. Students function as subintern on the ICU team and pulmonary consultation team.	1	4 weeks
<b>Endocrinology</b> The student will learn of basic pathophysiology, clinical manifestation, diagnosis, management of Type I/Type II diabetes mellitus, the metabolic syndrome, basic principals of evaluation/treatment for patients w/various forms of thyroid disease pituitary D's, etc,. The student will work effectively as a member of a consultation service in the context of a patient care team (nursing staff, case management, etc) under direct supervision of Sr. Resident/Attending Physician.	1	4 weeks
<b>Radiology (Interventional)</b> This rotation is designed to provide a structured educational program in a broad field of radiology. Review the spectrum of imaging studies available, to gain and understand the uses, limitations, and sequencing of diagnostic imaging studies. To recognize common pathological conditions, basic radiographic anatomy, understanding of how examinations are performed and to gain an appreciation of the patient perspective and requirements for various procedures.	2	2 to 4 weeks
<b>Pediatrics - Inpatient</b> The student will gain experience in the care of the more acutely ill child both on the pediatric ward and in PICU with a variety of illnesses common to an urban setting. The student will function at a senior level and will assume as much responsibility as is deemed appropriate by the Sr. Resident and Attending Physician.	1	2 to 4 weeks
<b>Pediatric Neurology - Outpatient</b>	1	2 to 4 weeks
	<b>2 with department approval</b>	

Community-based outpatient and inpatient pediatric neurology didactic and case-based learning. Students will learn about the management of routine and complex neurological disorders such as epilepsy, cerebral palsy, headaches, developmental delay, congenital malformations, HIE, neurogenetics, neurometabolic disease and more. Special emphasis will be given to the development of their pediatric neurological examination skills.

<b>Pediatric / Adults Allergy &amp; Immunology - Outpatient</b>	<b>1</b>	<b>2 to 4 weeks</b>
The student will be introduced to allergy, asthma & clinical immunology and become familiar with the skills of history taking, examination of patients, laboratory techniques, and interpretation of the results as they relate to the specialty. The student will be involved in inpatient and outpatient management of conditions: asthma, rhinitis, atopic dermatitis, anaphylaxis, drug reactions, food reactions and urticaria/angioedema, including associated problems with immunodeficiency and autoimmune states.		
<b>General &amp; Vascular Surgery</b>	<b>3</b>	<b>4 weeks</b>
Broaden exposure to general and vascular surgery under direct supervision of the attending surgeon. There will be direct exposure to patient care in the office setting with an opportunity to follow the patient to the OR, if indicated. There will be call and inpatient responsibilities with exposure to a spectrum of surgical emergencies and procedures. The rotation is ideal for a student planning to pursue a career in the surgical field.		
<b>Obstetrics and Gynecology</b>	<b>2 1 High Risk &amp; 1 Ob/Gyn</b>	<b>4 weeks</b>
The student will broaden his/her exposure to the depth and breadth of obstetrics and gynecology. In addition to general gynecology and obstetrics, students experience patient encounters in all subspecialty areas of OB GYN, including gynecologic oncology, maternal-fetal medicine, reproductive endocrinology, and urogynecology. Students are integrated into the patient care team on the wards, operating room, labor and delivery suite, and out-patient clinics.	The student will spend time with perinatologist in busy clinical practice. Gains understanding of ultrasound, amniocentesis, and prenatal diagnosis, as well as management of other high-risk complications. Participate in the antepartum office care, including diagnostic work-up of various high-risk cases.	
<b>Anesthesiology</b>	<b>2</b>	<b>2 to 4 weeks</b>
The anesthesiology rotation will enhance your professional career and your appreciation of anesthesiology as a specialty. The student will observe and participate in anesthesia services such as pre-anesthesia evaluation, anesthesia management and post anesthesia care by any or all ten faculty members of the anesthesiology department.		
<b>Family Practice Inpatient &amp; Outpatient</b>	<b>2 Department Approval Required</b>	<b>2 to 4 weeks There are 2 satellite office that students may be assigned to other than the WMMC site.</b>

The student will participate as a member of the Family Medicine Inpatient Team. Student responsibilities include, obtaining pertinent patient history, perform appropriate physical examination, gather laboratory/x-ray tests, and present an assessment and differential diagnosis to /attending.

The student will be paired with an Attending Physician in the Family Health Center (outpatient) evaluating patients and assessment and treatment plan. Students will be exposed to various experiences such as procedures clinic, colposcopy clinic, urgent care, well-child clinic, and well-being group.

\* Free housing, parking, and meals are provided to all students that rotate at WMMC.