2021 DGSOM WINTER/SPRING SELECTIVES

FEATURED COURSES

• Anatomy and Dissection of Human Cadavers (MS2’s only)
• Integrative East-West Medicine
• Intro to Surgery
• Medical Spanish- Intermediate Level
• Perspectives in Women’s Health
• Procedures in Emergency Medicine
• Sugar, Stress, and Society: The Determinants of Children’s Health
• Zoobiquity” The Animal Nature of Human Medicine
ANATOMY AND DISSECTION OF HUMAN CADAVERS

This course will consist of brief anatomy reviews and will focus on hands-on dissection techniques and related activities. The bulk of the dissection activity will be on embalmed human cadavers and will include the back and shoulder regions, axilla and upper limb, hip and gluteal region, lower limb, and head and neck. Limited dissection of the abdomen and pelvis will be included. Special prossections will be considered including retropharyngeal space prossections, spinal cord prossections and other.

Course Chair: Elena Stark, M.D., Ph.D. Professor, Anatomy Thread Chair, and Director of the Integrated Anatomy Division, Department of Pathology and Laboratory Medicine at UCLA.

Additional Faculty: Cristina Ghiani Ph.D., James Lister Ph.D., Madhuri Wadehra, Ph.D. and other Anatomy faculty and staff, Department of Pathology and Laboratory Medicine at UCLA.

Format: Discussions and Lab Experience.

Enrollment: Open to 2nd year students only.

Sponsoring College: Applied Anatomy College

Schedule: Arranged times and sessions by Dr. Stark, staring in January of 2021

Location: 73-167 CHS
INTEGRATIVE EAST-WEST MEDICINE (Online Course for Spring)

To introduce a patient-centered approach incorporating traditional Chinese medicine as a major representative of complementary and alternative medicine (CAM) traditions in clinical problem-solving.

Objectives: By the end of the course, students will be able to:
- Understand the scope of CAM and compare paradigm differences between biomedicine, Chinese medicine, and integrative medicine
- Use reliable resources to learn about herb mechanisms of action, indications, contraindications and interactions
- Develop an appreciation for the mechanisms and applications of acupuncture and identify the location of at least 5 major acupuncture points
- Examine for trigger points to assess pain and non-pain conditions
- Design an integrative East-West self-care plan
- Search the medical literature in the areas of CAM and integrative medicine.

Course Chair: Katie Hu, M.D., Center for East-West Medicine, Assistant Clinical Professor

Additional Teachers: Justin Laube, M.D. and Felicia Yu, M.D.

Student Requirements: Completion of online modules, and a case discussion or specialized topic presentation during final session

Teaching Methods: Case discussion, clinic experience with patient interaction, patient testimonial, acupuncture workshop, massage workshop, tai-chi workshop
Enrollment: Maximum of 15 students, minimum of 6 students

Sponsoring College: Primary Care College

Schedule: 4:00 – 6:00, Mondays, starting 1/11/2021 (ONLINE THIS SEMESTER)
INTRODUCTION TO SURGERY

**Aim:** To provide an enriching ‘hands on’ educational experience designed to introduce students to the art and science of surgery in the setting of a busy urban Level-1 trauma center.

By the end of the course, the student should be able to:

1. Understand the principles of sterile precautions and operating room etiquette
2. Demonstrate the ability to perform sterile gowning and gloving techniques
3. Perform basic surgical/technical skills including knot-tying, suturing, and instrument handling
4. Describe the basic approach to the management of the trauma patient
5. Appreciate the importance of interdisciplinary teamwork and the psychosocial aspects of patient care.

**Course Chairs:** Dennis Kim, M.D., Dr. Amy Yetasook, M.D. Dr. Nina M. Bowens, M.D.

Dr. Kim is an Assistant Professor of Surgery in the Division of Trauma/Acute Care Surgery/Surgical Critical Care. His academic interests include surgical simulation and Crisis Resource Management.

Dr. Yetasook is and Assistant Professor of Surgery in General and Bariatric Surgery
Dr. Bowens is an Assistant Professor in Surgery in the Division of Vascular Surgery. Her academic interests include aortic aneurysmal disease and critical limb ischemia.

**Additional Teachers:** Harbor-UCLA Medical Center Department of Surgery Faculty and Residents

**Teaching Methods:** Small group sessions and didactics; surgical skills lab; high-fidelity simulation; clinical observership (emergency room and operating room)

**Enrollment:** Maximum of 12 students, minimum of 6 students

**Sponsoring College:** Applied Anatomy College

**Schedule:** 4:00 – 6:00 pm, Mondays, Spring starts

**Location:** Harbor-UCLA Medical Center, Building 1 East, Conference Room; B4 Simulation Lab

**Schedule for the Winter/Spring 2020 Semester: start date** is 1/4/2021, 1/11/2021, 1/25/2021, 2/8/2021, 2/22/2021, 3/8/2021, 3/15/2021 (dates and times may possibly change. Faculty will update you on updates to the schedule)

*Please note: This selective takes place at Harbor-UCLA so you will need to allow for travel time to the institution.*
MEDICAL SPANISH – INTERMEDIATE LEVEL

With the sizeable and growing Spanish-speaking population in California and nationally, comfort with Spanish is becoming a necessity for medical practitioners. This course will combine in-classroom instruction by a professor from the Spanish department and clinical shadowing experiences. Students must have previous Spanish experience, equivalent to Spanish 3.

Learning Objectives:
By the end of the course, students will

✓ Be able to participate in a basic health care related conversation in Spanish
✓ Articulate and respond to patient’s requests regarding care and comfort
✓ Conduct health interviews and intake forms
✓ Make and respond to an emergency phone call
✓ Use terminology related to nutrition, basic anatomy, and primary care
✓ Use the past, present, command, and subjunctive grammar forms in conversation
✓ Understand cultural and social factors that influence communication between health care professionals and Spanish-speaking people who reside in the U.S.
✓ Know how to recognize your limitations and when an official Spanish interpreter is appropriate.

Course Instructor: Michelle Aguilar, M.D. in collaboration with the UCLA Department of Spanish & Portuguese

Student Requirements: Enthusiasm for learning Spanish. Active participation in Spanish language-based classroom activities and clinical experiences. Students must have previous Spanish experience, equivalent to Spanish 3 and complete the Spanish placement exam https://www.spanport.ucla.edu/placement-exam/spanish-online-placement-exams/ prior to enrolling in the course. Please consult with the instructor in advance if you have concerns about your preparedness for the class.

The Medical Spanish Interest Group, in partnership with the UCLA Department of Spanish and Portuguese, is excited to offer the course Spanish for Medical Professionals! This 8-10 week course focuses on oral communication, covering a different specialty each week and featuring practice patient interviews.
Enrollment: Maximum of 20 students.

Sponsoring College: Urban Underserved College

Schedule: Class will take place on Wednesday evenings 6:15pm-8pm, Jan 11th

Required Texts/ Materials:
2. Canopy – Medical Spanish Online Modules

Location: Online Modules
Perspectives in Women’s Health

Course Description:
Description: Regardless of specialty, all healthcare providers will encounter female patients over the course of their careers. The goal of this course is to provide a space for exploring women’s health topics at a deeper level than what is offered in the traditional medical school curriculum. In developing a richer understanding of the factors unique to women’s health, students will be better equipped to offer compassionate, unbiased treatment and support to all patients.

Course topics will include aging/menopause, post-sexual assault care, sex-based health differences, beauty and image, intersectionality in women’s health, and current research in the field. Through engaging readings and active discussions, students will emerge from this course with a more nuanced understanding of women and their health—ready to listen to, advocate for, and empower their female patients. This selective is open to all students; we especially encourage those unfamiliar with women’s health to participate.

Course Chair: Janet Pregler, M.D.
JaPregler@mednet.ucla.edu

Course Objectives:
Upon completion of the course, students should be able to:
- recognize the most pressing current issues in women’s health
- articulate the distinct aspects and challenges of healthcare for women
-understand how social factors play a role in the health and care of individual patients
-integrate diverse perspectives to anticipate patient needs
-identify strategies for interacting with female patients in a sensitive, holistic manner

**Course Requirements:**
All students will identify a topic of interest and provide no more than 150 words on their topic for UCLA’s social media stream on women’s health issues

**Maximum Students:** 10

**Location:** Online

**Time:** 3:30pm-5:30pm

Procedures in Emergency Medicine

It is important for medical students to understand the scientific basis of medicine which includes knowledge of normal anatomy, function of the major organ systems and the understanding of etiology and pathogenesis of disease. Physicians must be skilled in performing procedures necessary for the treatment of their patients for which they have obtained training.

Medical students are frequently called upon to perform procedures during their clinical years as they rotate through various medical and surgical services. Students require an in-depth review of important procedures prior to embarking on this duty.

The goal of this selective is to introduce and medical students to important and life-saving procedures in emergency medicine using case studies. Students will spend a total of seven sessions examining case studies, developing treatment plans, learning about the indications for several procedures and most importantly, hands-on performance of different procedures in emergency medicine.

Learning objective:
Obtain a brief but accurate medical history with an organ-specific examination including mental status determination
Use of case studies to recognize life-threatening cardiac, pulmonary or neurologic conditions that require emergent procedures for initial stabilization
Advance knowledge on indications for important emergency medicine procedures
Learn the materials needed to perform procedures such as lumbar puncture, suturing, incision and drainage, splinting, thoracentesis and paracentesis.

Course Chair: Carol Lee, M.D. and Kwame Donkor, M.D.

Additional Faculty involved: Additional faculty from Division of Emergency Medicine at West Los Angeles Veteran Affairs: Neil Patel, M.D., Miguel Lemus, M.D., Lisa Zhao, M.D., Zahir Basari, M.D., Tom Blair M.D., Manuel Celedon M.D.
Procedures in Emergency Medicine

Student Requirements: Attend all sessions an

Teaching Methods: Online/ Possible Clinical Experience pending approval
Enrollment: Maximum of 24 students Sponsoring College: Acute care college

Schedule: Starting January 4, 2021 (Dr. Carol Lee will provide overall schedule for the course)
Location: Online/Possibly in person activities, pending approval
Sugar, Stress, and Society: The Determinants of Children’s Health

When you think about the life of a Pediatrician, you may envision a revolving door of children with only coughs, colds, and rashes. Don’t say that to Dr. Mona Hanna-Attisha, the general pediatrician who uncovered the lead poisoning crisis in Flint, Michigan. By understanding what can truly impact the health of children, she perhaps saved generations from profound intellectual and socioeconomic disability. A child’s well-being depends not only upon the medical care they receive, but also their social environments. Pediatricians such as Dr. Hanna-Attisha therefore play a vital role in alleviating the negative impact of these factors on children’s health, both in the exam room and the community. In this selective, we encourage you to become active participants in these patients’ communities, learn about what affects their health, and ponder the ways to heal the next generation of at-risk children.

Through talks with UCLA Pediatric Faculty, we will introduce you to common pediatric health challenges, including childhood obesity, family disruption, adverse childhood experiences, environmental health problems, and global health challenges, among others.

Objectives:

- Recognize at least 3 of the root causes of common health issues affecting the well-being of children and families, via didactic/discussion sessions with experts (faculty, residents, community leaders).

- Synthesize your experiences and observations, via reflection and discussion, in order to inform your approach to healthcare as a future physician.

Course Chairs: Samantha Fitter, M.D., is a Chief Resident in Pediatrics at UCLA. Her interests are in General Pediatrics, Global Health, and Medical Education.
Faculty Sponsor: Alma D. Guerrero, M.D., M.P.H.

Student Requirements: A minimum of 5 talks

Teaching Methods: Discussions, Clinical experience, & Community site visits/volunteer experiences

Enrollment: Maximum of 15 students, minimum of 5 students

Sponsoring College: Primary Care College

Schedule: Various dates TBD throughout the year based on availability for lunchtime or afternoon talks, clinics and community experiences, tentative start date of Monday, January 4th

Location: Online
Course Instructor: Dr. Barbara N. Horowitz

Course Description:
Humans and other animals share vulnerability to many of the same pathologies but historically, physicians-in-training have had minimal exposure to the field of veterinary medicine. The zoonotic origin of COVID-19 has intensified calls for greater communication between veterinary and human medicine and for strengthened physician knowledge of animal health.

This one-month rotation offers in-depth exposure to clinical, scientific, ethical and other challenges in veterinary medicine. It presents medical students with a framework for understanding how connections between human, animal and environmental health can be integrated into human medical practice, investigation and education.

Course Objectives:
Students will gain a greater understanding and strengthened awareness of:

1. Zoonotic pathogens and their intensified impact on human populations
2. The connections between non-communicable diseases (NCDs) in humans and other species including cardiovascular disease, obesity, metabolic syndrome, chronic kidney disease, cancer, reproductive disorders and mental illness. Emphasis also will be placed on the impact of environmental change on NCDs across species.
3. The similarities and differences in the clinical, ethical, financial, and emotional challenges encountered by physicians and veterinarians.
4. The emergence of comparative genomics as a pathway for create comparative investigation of vulnerability to disease.
5. Emerging interest in identifying natural animal models of disease resistance and vulnerability
6. How evolutionary and ecological factors have shaped vulnerability to the shared diseases of humans and other animals.
7. The movement to identify natural animal models with salience for human health.
8. Opportunities for engagement and collaboration with veterinary investigators, educators and clinicians
9. Ethical, moral and legal issues at the interface of human and veterinary medicine
10. The future directions of human and animal health

Course Format: Online Discussion

Maximum number of Students: 30

Meeting Time: 3:30pm-5:00pm (adjustments can be made)