FALL 2017, KINS6094-001 (12584)  
Seminar, Genomics of Inherited Metabolic Diseases  
Monday, Wednesday 10-11:50 a.m.  
Location, Laurel Hall 307  
3 credits  
Dr. E.C. Lee  
Department of Kinesiology

When you register, please use the drop-down option to make sure you select 3 credits as this is a 3 credit seminar course.

Genomics of Inherited Metabolic Diseases is a graduate level seminar course that covers: basics of genetics and genomics, personalized and genomic medicine, clinical pathophysiologies, therapeutic approaches, and research into mechanisms of common genetic diseases. Examples of how this course is organized and topics we cover are provided in Figures 1 and 2.

This course is an excellent seminar for students interested in basic, clinical, and applied science research, clinical medicine (Nursing, Pharmacy, Physicians, Physician’s Assistants, Doctor of Physical Therapy, Athletic Training), industry research, or just the basic concepts of Personalized Medicine.

This course fulfills requirements for the Professional Science Master’s programs at the University of Connecticut (e.g., Applied Genomics, Clinical Genomics) and is now open to talented upper-level undergraduates or Honors undergraduate students looking for a graduate course to convert to Honors credit. The course meets twice a week for ~1.5 hours and is 50% lecture and 50% discussion based in each session. Grades are determined by quizzes, written take-home assignments based on reading of relevant literature, and an in class open-book written final exam and final presentation on a disease topic of each student’s choice.

Please contact Dr. Lee for permission numbers to enroll. Maximum enrollment will be 30 students. Dr. Lee can be reached via email at elaine.c.lee@uconn.edu

Dr. Lee is available to answer any questions via email or phone, so please send an email to set up times to chat about the course.

Figure 1. Course is organized in modules by specific diseases in each category of metabolic pathways

Figure 2. We use the medical model of disease to organize information about each disease presented.