

G6003 Mechanisms of Human Disease

4.5 credits. Fall semester.

Course Directors: Ronald Liem and Steven Spitalnik

This course will provide an in-depth analysis of several organ systems and a disease associated with each organ system. The course will have three modules; each module will include a patient interview and will describe the basic physiology, nutritional status, health and anatomy of the organ system, the genetics, cell and biochemical mechanisms and pathologies associated with the disease, as well as basic pharmacology and therapeutics to treat the disease.

The course will usually meet twice a week Wednesdays and Fridays in the Fenoglio Pathology Library (PH15W) from 10 a.m. - noon, but will occasionally meet on Mondays from 10 am - noon. The first class is Wednesday, September 5.

There will be a take-home examination after the first two modules and student presentations during the third module.

Enrollment is limited.

Schedule:

September 4- October 2:

Hematopoietic System: Sickle Cell disease

Steven Spitalnik

October 4 – November 1:

Nervous System: Alzheimer's Disease

Ronald Liem

November 6 – December 20

Cardiac System: Atherosclerosis

Alan Tall and John Loike