

Fyi: schedule from 2007

THIS IS JUST AN EXAMPLE OF POSSIBLE COURSE CONTENT AND DATES

Syllabus

Path 515

Atherosclerosis and Myocardial Infarction

Course Director

Chuck Murry, MD, PhD (murry@u.washington.edu)

Course Goals

Atherosclerosis and myocardial infarction remain the number one cause of death in industrialized nations. The goals of this course are to delineate the major molecular mechanisms underlying development of atherosclerosis and myocardial infarction and give students an appreciation of experimental approaches to these problems.

Course Objectives

Upon completion of the course, the student will

- understand current hypotheses for development of atherosclerosis, relate these mechanisms to epidemiological risk factors such as hypercholesterolemia, diabetes and hypertension
- understand how atherosclerosis manifests as disease using myocardial infarction and cardiac arrhythmias as representative downstream complications.

Classes will be held from 3:30 – 5:00 in the Brotman Building on South Lake Union Campus, 815 Mercer St (Shuttle to/from main campus every 20 minutes)

Date	Instructor	Topic
May 2	Mike Rosenfeld	Overview of Atherosclerosis (initiation, progression, complications)
May 4	Elaine Raines	Inflammation and proteases in atherosclerosis
May 9	David Dichek	Thrombosis
May 11	Karin Bornfeldt	Diabetes and atherosclerosis
May 16	Chuck Murry	Myocardial Infarction—Degeneration and Regeneration
May 18	Mike Chin	Heart Failure
May 23	Tom Wight	Extracellular Matrix in Atherosclerosis and Infarction
May 25	Michael Reidy	Vascular remodeling and restenosis
May 30	Chun Yuan	Imaging of Atherosclerosis and Myocardial Infarction
June 1	Mike Laflamme	Pathogenesis of Arrhythmias
June 8	Final Project	Reports and Discussion of Assigned Research Papers

Criteria for Grading

Evaluation will be based on a written paper and an oral presentation, in which the student evaluates experimental evidence supporting molecular mechanism of atherosclerosis or myocardial infarction. Topics will be based on lectures and chosen in consultation with the course director. Emphasis will be placed on depth of thought and clarity of writing and presentation.