

Program: Microbiology & Immunology

Course Name: Cell Growth and Control

Course Number: 0513

Course Director: Tracee S. Panetti, Ph.D. Room 502 OMS. Tel.: 2-2879, email: tpanetti@temple.edu. Taught by Dr. Panetti.

Credits: 1

Semester: Spring, every other year

Times: Meets once weekly for 2 hours

Location: OMS 519

Prerequisites: All students are required to have a background in Immunology

Description: This advanced course will examine the interactions between immunology and in particular inflammation, and thrombosis. Relevant topics in the current literature will be covered including the contribution of the vascular endothelium and the role of cell adhesion molecules in immunology.

Topics will include:

1. Inflammatory cytokines and chemokines effects on the endothelium
2. Contribution of the endothelium to immunological disease states
3. Role of integrins in immunological responses
4. Role of other cell adhesion molecules in immunological responses

The format will be a brief lecture to introduce the topic followed by a discussion of relevant and current papers from the literature. Students will be expected to prepare for the class discussion by preparing answers to guided questions prepared by the instructor.

Textbook & Readings: The reading material will include current journal articles.

A take-home final exam will be given at the end of the course. The exam will be completed using reference materials but not with consultation of other students or faculty etc.

Class attendance is required. Student absence must be excused or will reflect on a student's grade.

The grade in the course will take into account the final exam and class participation.

Office Hours – The Course Director is available during the normal workday hours.