

**Year 1 – Block 6**  
**Principles of Immunology, Pathology, and Pharmacology**

**Course Description and Goals:**

This block of the first year curriculum is an introduction to second year materials, covering the general principles of immunology, pathology and pharmacology, relevant to the organ systems. Faculty from the Departments of Microbiology and Immunology, Pathology and Pharmacology teach in the block. By the end of the block, students will be able to: demonstrate knowledge of the general principles of immunology, including components of the immune system and their interactions in immune responses and in diseases related to the immune system; demonstrate knowledge of immunological methods that can be used to diagnose disease; Identify the definitions, causes, cellular and molecular manifestations and consequences of basic pathologic processes including cell adaptation and injury, inflammation and repair, and neoplasia; demonstrate knowledge of the general principles of pharmacology, including both the pharmacokinetic and pharmacodynamic properties of drugs; descriptions of the basic anatomy, neurochemistry and physiology of the autonomic nervous system; and the pharmacology of drugs altering the autonomic nervous system, including their mechanism of action, effects and therapeutic uses, adverse reactions and pharmacokinetic properties; and the basic pharmacology of drugs that affect the immune system.

Lectures are the standard presentation. These will be supplemented by readings from required textbooks, suggested readings from other monographs, as well as with supportive conference sessions and workshops.

**Co-Block Directors:**

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**Evaluation of Student Performance and Examination Policies:**

Students will be evaluated during the course by three weekly quizzes (3%) and a comprehensive final examination (90%). Each quiz will cover lectures, conferences, and assigned reading from the previous week. Attendance and participation in 7 conferences will count for 7% of your grade. Based on medical school policy, a score of 70% is a Pass grade. The top 12+/-4% of students receive an Honors grade; the next 20+/-5% receive a High Pass grade.

**Disability accommodation:**

Any student needing an accommodation must contact Dr. Sterling at (215) 707-4613 to discuss the specific situation. Temple University Disability Resources and Services can be contacted at (215) 204-1280.