

Scheduling and Courses of Interest to Students in PGG

An example of a schedule for the first two years of the PGG curriculum:

YEAR 1			YEAR 2		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
FALL 1			FALL 2		
BIOM 600	Cell Biology and Biochemistry	1	PHRM 532	Human Physiology	1
PHRM 623	Fundamentals of Pharmacology	1	PHRM 600	Medical Pharmacology	2
Electives ¹		2	PHRM 699	Laboratory Rotation	2
SPRING 1			SPRING 2		
PHRM 699	Laboratory Rotation	2	PHRM 970	Candidacy Examination	2
Electives		2	Electives ⁴		2
SUMMER 1			SUMMER 2		
PHRM 699	Laboratory Rotation	2	Pharmacology	Pre-dissertation laboratory rotation	

Required courses, rotations, and exam

BIOM 600 (Cell Biology and Biochemistry), Fall 1
 PHRM 623 (Fundamentals of Pharmacology), Fall 1
 PHRM 600 (Medical Pharmacology), Fall 2
 PHRM 532 (Human Physiology), Fall 2

One topics (seminar) course from PPG curriculum
 Three laboratory rotations
 Candidacy Examination

Electives

Fall:

Offered by PGG:

PHRM 531 (Introduction to Genome Science)
 PHRM 542 (Topics in Molecular Medicine)²
 PHRM 550 (Neuropsychopharmacology)^{2,3}
 PHRM 670 (Current Topics in Neuropharmacology)²

Offered by other graduate groups (selected):

BIOM 510 (Case Studies in Translational Research)²
 BMB 518 (Protein Conformation Diseases)
 BMB 554 (Macromolecular Crystallography)
 BMB 585 (Signaling Pathways in Cancer)
 CMB 518 (Current Topics in Ion Channels)²
 CMB 530 (Cell Cycle and Cancer)²
 CMB 608 (Regulation Eukaryotic Gene Expression)
 CMB 610 (Molecular Basis of Gene Therapy)
 IMUN 506 (Immune Mechanisms)
 IMUN 609 (Vaccines and Immune Therapeutics)²

Spring:

Offered by PGG:

PHRM 510 (Neuropharmacology/Neurochemistry)
 PHRM 570 (Principles of Cardiovascular Pharmacology)
 PHRM 580 (Topics in Pharmacogenetics)²
 PHRM 590 (Molecular Toxicology)
 PHRM 632 (Cell Control by Signal Transduction)²
 PHRM 640 (Topics in Cancer Pharmacology)
 PHRM 660 (Frontiers in Cancer Pharmacology)²

Offered by other graduate groups (selected):

BIOM 502 (Molecular Basis of Disease)
 BIOM 555 (Control of Gene Expression)
 CMB 510 (Immunology for CMB)
 CMB 511 (Principles of Development)
 CMB 512 (Cancer Genetics and Biology)
 CMB 550 (Genetic Principles)
 CMB 697 (Biology of Stem Cells)
 NGG 572 (Electrical Language of Cells)
 NGG 573 (Systems Neuroscience)
 NGG 575 (Neurobiology of Learning and Memory)
 NGG 593 (Structural Neurobiology)
 NGG 600 (Neurobiology of Disease)²

¹Electives are generally lecture or literature-based courses, as listed in this document. Some students opt in this semester to take a laboratory rotation (2 c.u.) in place of two electives.

²Literature-based seminar course, which may require advanced standing and/or special permission from course director. Please preview syllabus and note prerequisites. 'Frontiers' courses usually require advance standing.

³Offered in odd-numbered years only.

⁴Some students opt for research in the prospective thesis lab (2 c.u.) for this semester.