

PSL201Y: Basic Human Physiology—2015/16

Course description

PSL201Y is an introductory course in the functioning of the human body. It is intended for students who have an interest in or a need for a basic course in Human Physiology. Your future careers may lie in the health sciences or in any field for which some knowledge of physiology would provide a breadth requirement.

A variety of activities—lectures, virtual labs (PhysioEx) and help sessions—are planned to help you learn the material. To do well in the course, we recommend that you participate fully in all of these activities and that you keep up to date with the material. We hope you enjoy the course.

Note: Arts & Science students who plan to take most of our third- and fourth-year PSL courses, should take PSL300H and PSL301H instead of PSL201Y. Many Specialist and Major Programs of Study (PoSTs) also require PSL300H and PSL301H rather than PSL201Y. This includes Specialists in Human Biology, Human Health and Disease, Pharmacology, Physiology, Nutritional Sciences and Pathobiology. **Also note that PSL201Y and PSL300H/301H are exclusions for each other.**

Recommended preparation: BIO120H and BIO130H or a university course in biology

Course administrator

Dr. Christine Wong – cjaye.wong@utoronto.ca
Office hours: Email for an appointment
Room: Medical Sciences Building MS3368

Required texts

Stanfield CL and Germann WJ. *Principles of Human Physiology*, 5th edition, Benjamin Cummings, 2013.*

AND

Stabler T, Peterson G, Smith L, Gibson MC, Zanetti N and Lokuta, *PhysioEx 9.1: Laboratory Simulations in Physiology with 9.1 update*, Benjamin Cummings, 2013.

Both are packaged together and can be purchased in the U of T bookstore

* The third or fourth edition of the textbook is OK, but please make sure you have PhysioEx 9.0 or 9.0 with the 9.1 update, both the manual and CD.

Evaluation

3 Term tests (1 hour each) – 2 X 30% = 60% (best 2 out of 3).

Cumulative final exam (3 hours) – 40%

All tests and the exam will be based on lectures, assigned textbook readings and PhysioEx exercises. All questions will be multiple choice. It is expected that students will write all three term tests and the best 2 marks will be used to calculate your final mark. There will be no makeup term tests for any reason – therefore, plan to study for and write all term tests.

Lectures

PSL201Y: Tuesdays 6-8 PM, Room: Pharmacy Building, Room B250.

PhysioEx help sessions

Students are expected to complete the PhysioEx exercises on their own. If you have any questions regarding the exercises, you are encouraged to get help from our TA at the following times and locations.

Tuesdays 5-6 pm; room TBA on Blackboard. Help sessions start the week of September 29th. No help sessions during the Fall Study break (Nov 10th) or during Reading week (week of Feb 16th). Help sessions will **NOT** be held on days of the term tests.

Additional help

Post your questions regarding lectures, PhysioEx or general administrative questions on the **course website discussion board**. We encourage students to answer questions related to course content too — this is a great way to make sure you understand the material.

Schedule:

Lectures			PhysioEx
Sep 15	Course overview, Introduction to physiology + Cellular transport and signaling	Wong	
Sep 22	Neurophysiology 1 and 2	Kee	Exercise 1
Sep 29	Neurophysiology 3 and 4	Kee	
Oct 6	Endocrinology 1 and 2	Merkley	Exercise 3
Oct 13	Endocrinology 3 and 4	Merkley	
Oct 20	Endocrinology 5 and 6	Merkley	
Oct 27	Endocrinology 7 and 8	Merkley	Exercise 4
Nov 3	TERM TEST #1 6:00 SHARP to 7:00 pm (covers lectures Sept 15-Oct 20 inclusive and PhysioEx exercises 1, 3, 4) NOTE a 50-min lecture immediately follows the test		
Nov 3	Blood and defenses 1	Wong	Exercise 11
Nov 10	Study break—No class		
Nov 17	Blood and defenses 2 and 3	Wong	Exercise 12
Nov 24	Blood and defenses 4/Respiration 1	Wong/Miliotis	
Dec 1	Respiration 2 and 3	Miliotis	
Dec 8	Respiration 4/Autonomic nervous system	Miliotis/Kee	Exercise 7
December holiday			
Jan 12	Cardiovascular 1 and 2	Kroetsch	
Jan 19	TERM TEST #2 6:00 SHARP to 7:00 pm (covers lectures Oct 27-Dec 8 and PhysioEx exercises 11, 12, 7) NOTE a 50-min lecture immediately follows the test		
Jan 19	Cardiovascular 3	Kroetsch	Exercise 5
Jan 26	Cardiovascular 4 and 5	Kroetsch	
Feb 2	Cardiovascular 6 and 7	Kroetsch	Exercise 6
Feb 9	Renal 1 and 2	Wong	
Feb 16	Reading Week—No class		
Feb 23	Renal 3 and 4	Wong	Exercise 9
Mar 1	TERM TEST #3 6:00 to 7:00 pm (covers lectures Jan 12-Feb 23 inclusive and PhysioEx exercises 5, 6, 9) NOTE a 50-min lecture immediately follows the test		

Mar 1	Renal 5	Wong	Exercise 10
Mar 8	Neurophysiology 5 and 6	Kee	
Mar 15	Neurophysiology 7 and 8	Kee	
Mar 22	Neurophysiology 9, Muscle contraction	Kee	Exercise 2
Mar 29	GI 1 and 2	Ju	
Apr 5	GI 3 and 4	Ju	Exercise 8
April Exam Period	Final examination: All lectures and PhysioEx exercises 2, 8, 10 (3 hours)		

The above schedule, policies, procedures and assignment in this course are subject to change in the event of extenuating circumstances.