

PSL201Y: Basic Human Physiology—2012/13

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.

Prerequisite

BIO120H and BIO130H or a university course in biology

Course administrator

Dr. Michelle French – michelle.french@utoronto.ca

Office hours: Tuesdays 4:00 to 5:00 pm

Room: MS3368

Required texts

Stanfield CL and Germann WJ. *Principles of Human Physiology*, 4th edition, Benjamin Cummings, 2011.*

AND

Stabler T, Peterson G, Smith L, Gibson MC, Zanetti N and Lokuta, *PhysioEx™ 9.0 for Human Physiology. Laboratory Simulations in Physiology*, Benjamin Cummings, 2011. Both are packaged together and can be purchased in the U of T bookstore

* The third edition of the textbook is OK, but please make sure you have a copy of PhysioEx 9.0, 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 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 B150

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 TAs at the following times and locations.

Days and times:

Help sessions start the week of September 24th.

Mondays 4-5 pm and Tuesdays 5-6 pm; room MS3290

No tutorials during the Fall Study break (Nov 12th and 13th) or during Reading week (week of Feb 18th). Tuesday 5-6 pm tutorial 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 11	Course overview— Introduction to physiology + Cellular transport and signalling	French	
Sep 18	Neurophysiology 1 and 2	Kee	Exercise 1
Sep 25	Neurophysiology 3 and 4	Kee	
Oct 2	Neurophysiology 5 and 6	Kee	Exercise 3
Oct 9	Neurophysiology 7 and 8	Kee	
Oct 16	Neurophysiology 9/Autonomic nervous sys	Kee	
Oct 23	Blood and defenses 1 and 2	French	
Oct 23	TERM TEST #1 6:00 to 7:00 pm (covers lectures Sept 11-Oct 16 inclusive and PhysioEx exercises 1 and 3)		
Oct 30	Blood and defenses 3 and 4	French	Exercise 11
Nov 13	Blood and defenses 5/Muscle contraction	French/ Redington	
Nov 20	Cardiovascular 1 and 2	Redington	Exercise 2
Nov 27	Cardiovascular 3 and 4	Redington	
Dec 4	Cardiovascular 5 and 6	Redington	Exercise 5
December holiday			
Jan 8	Cardiovascular 7/Renal 1	Redington/ Mavrogiannis	Exercise 6
Jan 15	TERM TEST #2 6:00 to 7:00 pm (covers lectures Oct 23-Dec 4 inclusive and PhysioEx exercises 2, 5, 11)		
Jan 15	Renal 2 and 3	Mavrogiannis	Exercise 9
Jan 22	Renal 4 and 5	Mavrogiannis	
Jan 29	Respiration 1 and 2	French	Exercise 7
Feb 5	Respiration 3 and 4	French	
Feb 12	Endocrinology 1 and 2	Yue	Exercise 10

Feb 19	Reading Week—No classes		
Feb 26	TERM TEST #3 6:00 to 7:00 pm (covers lectures Jan 8-Feb 5 inclusive and PhysioEx exercises 6, 7, 9)		
Feb 26	Endocrinology 3 and 4	Yue	
Mar 5	Endocrinology 5 and 6	Yue	
Mar 12	Endocrinology 7 and 8	Yue	Exercise 4
Mar 19	GI 1 and 2	Ju	
Mar 26	GI 3 and 4	Ju	Exercise 8
Apr 2	Integrative physiology	Mavrogiannis	
April Exam Period	Final examination: All lectures and PhysioEx exercises 4, 8, 10 (3 hours)		

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

ARTS & SCIENCE STUDENTS ENROLLING IN THIS COURSE ARE NOT ABLE TO TAKE MOST OTHER PSL COURSES (INCLUDING PSL300H AND PSL301H) , MAKING THEM **INELIGIBLE** FOR ADMISSION TO SPECIALIST PROGRAMS IN HUMAN BIOLOGY, HUMAN HEALTH & DISEASE, PHARMACOLOGY, PHYSIOLOGY, NUTRITIONAL SCIENCES & PATHOBIOLOGY