

MAMMALIAN PHYSIOLOGY 2: PHGY 210

PHGY 210 Section 001 - 2020

Monday, Wednesday, and Friday from **9:35 a.m. to 10:25 a.m.**
McIntyre Medical Bldg., Rm. 522

PHGY 210 Section 002 - 2020

Monday, Wednesday and Friday from **12:35 p.m. to 1:25 p.m.**
Stephen Leacock Bldg., Rm. 132 & 232

Month	Monday	Wednesday	Friday	Topic/Professor (# of Lectures)
January	6			Introductory Lecture / Dr. M. Vollrath (1) Respiration/ Dr. A. M. Lauzon
		8	10	
	13	15	17	Respiration / Dr. A.M. Lauzon (7)
	20	22		
			24	
		27	29	**31
February	3			
		5	7	Cardiovascular / Dr. M Guevara (10)
	10	12	14	
	MT	19	21	
	24	26	28	
March	****McGill Reading Week: No Classes March 2 – March 6****			
	9	11	13	Digestion/ Dr. M. Vollrath (9) Renal / Drs. T. Takano and L. Campeau (6)
	16	18	20	
	23	25		
			27	
	30			
April		1	3	
	6	8	10	
	Easter Monday	14 (Tuesday)		

Important Dates:

- January 6, 2020 – First Day of Class
- **January 31 class for Section 1 moved to LEA 132
- Monday, February 17, 2020 – MIDTERM 7:00 p.m. – 8:30 p.m. Location: TBA
Materials: Respiration, Endocrinology, and Cardiovascular **including the Feb. 14, 2020 lecture)**
- March 2 to March 6, 2020 – STUDY BREAK
- **Final Exam:** Held during the final exam period in April – Exam will be held online Using the Quiz Function in myCourses. The exam opens on Monday, April 20 at 6:30 PM – The exam will be open for **72 hours**. Content: 60 Multiple Choice Questions, All type A. The exam is cumulative, but more heavily weighted towards material that was not tested on the midterm exam (5 final cardiovascular lectures and 9 digestion lectures).

Course Coordinator: Dr. M. Vollrath, McIntyre Bldg. Rm. 1234, Tel: 514-398-2410, melissa.vollrath@mcgill.ca

General Information:

Physiology is the study of normal functional activities in the living organism. These activities may be examined at the molecular, cellular, organ, organ-system, and organismal levels; the Department's introductory courses will expose the student to the various aspects of the discipline.

The two courses, PHGY 209 (3 credits) and PHGY 210 (3 credits), constitute a single course, designed as an introduction to Mammalian Physiology for students registered in the Faculty of Science. The normal sequence is 209 (in the Fall) followed by 210 (in the Winter); it is permissible, but more challenging, to take them in the reverse order.

Physiology 209 and 210 are required courses for all Physiology Programs, and are prerequisites for all other courses offered by the Department. They are also required or complementary courses for students registered in other biomedically-related departments in the Faculty of Science (Biology, Cell Biology and Anatomical Sciences, Biochemistry, Microbiology and Immunology, Pharmacology and Therapeutics, Psychology), as well as the professional programs in Physical and Occupational Therapy and for Kinesiology in the Faculty of Education. The prerequisites are college (or CEGEP) courses in Biology, Chemistry, and Physics, with Organic Chemistry (CHEM 212 and CHEM 222, or equivalents) as pre-or co-requisites.

Students in all Physiology programs are also required to take the laboratory courses PHGY 212 and PHGY 213; it is recommended that these be taken concurrently with PHGY 209 and 210.

Course Evaluation:

Quizzes: Online quizzes for each section of the course will be accessible on *myCourses*. The quizzes will count for ~~10%~~ **5%** of the course grade. Quizzes will be available starting at 5 p.m. on the date of the last lecture of each section and open for completion for 5 days. *Example:* Quiz 1 (Respiration) will be available from 5 p.m. on January 22 until 5 p.m. on January 27. No sick notes will be accepted or extensions offered for quiz non-completion. Rather, of the ~~four~~ **five** quizzes, the one with the lowest mark will be dropped.

Midterm Examination: The midterm will be held from **7:00pm to 8:30pm** on **Monday February 17, 2020** at a location to be listed on myCourses on the morning of the exam. It will cover the Respiration, Endocrinology Cardiovascular sections (Cardiovascular section material will include the Feb. 14 lecture). The midterm will count for ~~40%~~ **25%** of the course grade.

Final Exam: The final will be held during the final exam period at a date and location determined by the McGill exams office. The final exam will be cumulative and count for ~~50%~~ **70%** of the course grade.

Format: The format of the exams and quizzes will be **Multiple Choice Questions**.

Midterm Exam Deferral:

Students, who for serious reasons (e.g., illness or family affliction) cannot write the **MIDTERM EXAM**, are required to submit supporting documentation to the **Physiology General Office, McIntyre Bldg., Rm. 1021** within **ONE WEEK** following the midterm exam date (**by Monday, February 24, 2020 at 4:00pm**). The note must clearly indicate the reason for being unable to write the midterm exam on **Monday, February 17, 2020**.

Following submission of a valid note, students will have the option to write a "Deferred" exam (***scheduled during the week of March 9, 2020***) or to have the final exam count for ~~90%~~ **95%** of their grade. Students must email the course secretary at undergrad1.physiology@mcgill.ca by **Monday, February 24, 2020 at 4:00pm** indicating the option chosen.

If no documentation is provided by the deadline indicated above, the midterm exam will count for **zero** and the final exam will count for ~~50%~~ **70%**. The McGill policies for deferred exams and medical note requirements can be found here: <https://www.mcgill.ca/exams/dates/supdefer>

Grading:

The department of Physiology will **NOT** revise/upgrade marks except on sound academic grounds. Once computed, the marks in this course will **NOT** be altered/increased arbitrarily. Decimal points will be "rounded off" as follows: if the final aggregate mark is computed to be 79.5%, the mark will be reported as 80% (an A-); a final aggregate mark of 79.4% will be reported as 79% (a B+). These marks are **FINAL and NON-NEGOTIABLE**. **A Satisfactory/Unsatisfactory grading option may be available to you, if your faculty allows. If you make this choice you do not need to let the PHGY210 instructors know. There will be online registration, details to follow.**

Staff:

Lecturers are generally available to answer questions immediately following their classes. You are also welcome to see lecturers in their offices. Please telephone or e-mail the lecturer you wish to see to make an appointment.

Lecturers	Office	Telephone	E-mail
Dr. A.M. Lauzon	RI-MUCH Glen – Block E	only available by email:	anne-marie.lauzon@mcgill.ca
Dr. J. White	McIntyre – Rm. 1101A	only available by email:	john.white@mcgill.ca
Dr. M. Guevara	McIntyre – Rm.1018	only available by email:	michael.guevara@mcgill.ca
Dr. M.A. Vollrath	McIntyre – Rm. 1135	only available by email:	melissa.vollrath@mcgill.ca
Dr. T. Takano	RI-MUCH Glen – Block E	514-398-2171	tomoko.takano@mcgill.ca
Dr. L. Campeau	Jewish General- Rm E-944	514-940-8222 ext.2523	lysanne.campeau@mcgill.ca
Course Secretary:			
Jennifer Rondeau	McIntyre Bldg., Rm. 1021	only available by email:	undergrad1.physiology@mcgill.ca

Tutorial Sessions:

The course lecturers will hold tutorial sessions according to the attached schedule. Verify *myCourses* regularly for possible revisions. In addition, a system of peer undergraduate student course assistants (USCA) consisting of knowledgeable senior students will be available to help facilitate learning. The list of USCAs is available in the course pack and will be posted on *myCourses*.

LECTURER	TOPIC	DAY	DATE	TIME	ROOM
Dr. A.M. Lauzon	Respiration	Tuesday	February 4	5:30- 6:30 p.m.	MCMED 522
Dr. J. White	Endocrinology	Tuesday	February 11	5:30- 6:30 p.m.	MCMED 504
Dr. M. Guevara	Cardiovascular	Tuesday	February 18	5:30- 6:30 p.m.	Adams Auditorium
Dr. M. Guevara	Cardiovascular	Tuesday	March 24	5:30- 6:30 p.m.	MCMED 522
Dr. M.A. Vollrath	Digestion	Wed.	April 14-March 31	5:00- 7:00 p.m. EST by Zoom Invite will be posted on <i>myCourses</i>	MCMED 522
Dr. T. Takano or Dr. L. Campeau	Renal	Thursday	April 9	5:30-6:30 p.m.	MCMED 522

No new material will be introduced during the tutorials; these sessions are intended for clarification and reinforcement of the subject matter covered in class.

When you are studying, make it a habit to write down difficult points that you do not fully understand. Come to the tutorial prepared to ask questions and to discuss the answers with the individual professors. Students studying in English for the first time are especially encouraged to attend these tutorial sessions.

Course Management:

PHGY 210 is a *myCourses* managed course. All course general information and announcements will be posted at <http://www.mcgill.ca/mycourses>. Please visit the site often (requires McGill username and password) to check for updates. Information such as grades will also be retrievable in a confidential fashion at this site.

Learning Aids:

Lecture Slides: The visual materials presented in class will be available on *myCourses*. Printed versions of the slides (a “course pack”) will be available for purchase from PULS (Physiology Undergraduate League of Students), Rm. 1017 McIntyre Medical Sciences Building at a date to be announced in class. Because the visual material is revised each year, students are advised to buy or print the latest version rather than to use notes from previous years.

Lecture and Tutorial Recordings may be found on *myCourses*.

Undergraduate Student Course Assistants (USCAs) will generate **practice questions** for most of the lectures. These will be available on *myCourses*.

Discussion Board: A discussion board for each section of the course, organized by section topic, can be found on *myCourses*. This is a site for peer interaction. You may post questions and discussion class material here. The board is monitored by the USCAs.

Textbook – Recommended Readings:

The recommended textbook is **Vander’s Human Physiology – The Mechanisms of Body Function** by Widmaier, Raff, and Strang (13th, 14th or 15th Edition). The textbook is on reserve at the Life Sciences Library.

LECTURER	TOPIC	PAGES
Dr. A.M. Lauzon	Respiration	Chapter 13 – Respiratory Physiology
Dr. J. White	Endocrinology	Chapter 11 – The Endocrine System Chapter 17 – Reproduction (except gonadal development) Chapter 5 – Control of Cells by Chemical Messengers
Dr. M. Guevara	Cardiovascular	Chapter 12 – Cardiovascular Physiology
Dr. M. Vollrath	Digestion	Chapter 15 – The Digestion and Absorption of Food
Drs. T. Takano and L. Campeau	Renal	Chapter 14 – The Kidneys and Regulation of Water and Inorganic Ions

Note 1: McGill University values academic integrity. Therefore, all students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Code of Student Conduct and Disciplinary Procedures (see www.mcgill.ca/students/srr/honest/ for more information).

Note 2: In accordance with McGill University Exam Policy, it is not possible to re-write an exam once it has been written. If you are unwell on the day of the exam be sure to get the appropriate documentation for an exam deferral. <https://www.mcgill.ca/exams/dates/supdefer>

Note 3: In the event of extraordinary circumstances beyond the University’s control, the content and/or evaluation scheme in this course is subject to change.

Note 4: © Copyright. Instructor generated course materials (e.g., handouts, notes, summaries, **quiz and exam questions**, etc.) are protected by law and may not be copied or distributed in any form or in any medium without explicit permission of the instructor. Note that infringements of copyright can be subject to follow up by the University under the Code of Student Conduct and Disciplinary Procedures.