

McGill University
Department of Kinesiology and Physical Education

**COURSE OUTLINE, FALL 2021
ANATOMY AND PHYSIOLOGY
EDKP 293-001**

INSTRUCTOR:

David Pearsall, PhD.

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Office: Currie Gymnasium A215

OFFICE HOURS:

For Dr. Pearsall: Wednesday 2-3 PM EST (please use same link as above)

CLASS SCHEDULE: Monday and Wednesday, 10:05-11:25 AM EST

CLASS LOCALE: Currie 314/315 Note: If Covid restrictions are re-introduced, class communications may be Via Zoom (with all Zoom links posted in MyCourses)

COURSE DESCRIPTION:

This course provides the necessary understanding of structure and function of the human body, as required for subsequent course work and future design and delivery of strategic physical education programmes. Teaching will be re-enforced through “real world” examples and case studies, relating the information delivered in this course to the field of physical education instruction.

COURSE OBJECTIVES:

Upon completion of this course, the student will have:

- a fundamental knowledge and understanding of human anatomy and physiology.
- a basic scientific insight to physical function in both normal and pathological conditions.
- a basic knowledge and appreciation of the scientific terminologies as related to the field.

Regarding the 12 Exit Teaching Competencies required by the Ministère de l'Éducation, du Loisir et du Sport (MELS), this course addresses the following points:

- Competency 1: To act as a professional inheritor, critic and interpreter of knowledge or culture when teaching students.
- Competency 2: To communicate clearly in the language of instruction, both orally and in writing, using correct grammar, in various contexts related to teaching.

REQUIRED COURSE TEXT:

- Marieb EN. Essentials of Human Anatomy and Physiology (13th ed.). Pearson Publishers.

****Please note that you may use previous editions or other equivalent text books- it is your responsibility to confirm consistency with 13th edition. Also, we will be using the online access so a code may have to be purchased separately (instructions attached).**

COURSE EVALUATION:

Online assignments (details to follow)	15%
Quizzes	15%
Exam 1 (during class time, see schedule for date)	20%
Exam 2 (during class time, see schedule for date)	20%
Exam 3 (during exam period, date TBA)	30%

What are the online assignments?

The online assignments are found on your textbook publisher's website (detailed instructions on how to register for access will accompany this outline). The purpose of these online assignments is to re-inforce learning and provide direction for evaluation.

What are the quizzes?

Each chapter will have a short quiz (online: via MyCourses) that will assess the knowledge that you have obtained during the reading of each chapter.

What are the exams?

The exams will assess your knowledge of each section of the course. As opposed to the online assignments, the exams will consist of written answers. Exams #1 and #2 are non cumulative. Exam #3 will consist of some review questions pertaining to the material covered in the other 2 exams (that is why the point assignment is higher and you will be given more time).

IMPORTANT DATES AT MCGILL: <https://www.mcgill.ca/importantdates/key-dates>**Fall Term**

- **Classes begin:** Wed Sept 1
- **Thanksgiving:** Mon Oct 11
- **Fall Reading Break:** [Tues Oct 12 and Wed Oct 13](#)
 - **Makeup Days:** Thurs Oct 14 = Mon; Fri Oct 15 = Tues
- **Classes end:** Mon Dec 6
- **Study Day:** Fri, Dec 4 and 5
- **Exams begin:** Tues Dec 7
- **Exams end:** Tues Dec 21 (11 days, including evening exams)

NB: On Thurs, Dec 3, the normal Thursday schedule of course lectures, labs and conferences will be replaced by a Monday schedule to make up for Labour Day.

Other important dates built around the Key Academic Dates include:

- **Deadline to register for at least one course** to avoid registration penalties: Friday, August 14
- **Deadline to cancel registration:** Monday, August 31
- **Add/Drop deadline:** Tuesday, September 15
- **Course or University Withdrawal with refund deadline:** Tuesday, September 21
- **Course or University Withdrawal with NO REFUND deadline:** Tuesday, October 26

ACADEMIC STATEMENTS:

In accord with McGill University's Charter of Students' Rights, students in this course have the right to submit in **English** or in **French** any written work that is to be graded. This right applies to all written work that is to be graded, from one-word answers to dissertations. Instructor addition: French/English dictionaries will be permitted during exams (however, supplemental notes marked within the dictionary will not be tolerated, *see following statement of academic integrity*).

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).

L'université McGill attache une haute importance à l'honnêteté académique. Il incombe par conséquent à tous les étudiants de comprendre ce que l'on entend par tricherie, plagiat et autres infractions académiques, ainsi que les conséquences que peuvent avoir de telles actions, selon le Code de conduite de l'étudiant et des procédures disciplinaires (pour de plus amples renseignements, veuillez consulter: www.mcgill.ca/students/srr/honest/).

Professor open office hours will be posted weekly: in person or via Zoom (not recorded). David

Academic expectations of this class:

- 1) Please read the textbook assigned readings prior to each class as well as review class slides (PDFs). In each class we will expand the reading's concept.
- 2) I encourage questions and discussions in class. This is more than a one-way lecture.
- 3) If you have any questions or concerns, please be proactive and speak to me.
- 4) Requests for supplemental assignments to raise grades will NOT be accepted. Please see point 2 above.
- 5) For more information, please look to resources such as: <https://mcgill.ca/tls/students/remote-learning-resources> and <https://www.mcgill.ca/isa/student/principles>
- 6) **We expect respectful and courteous interactions at all times during this class.**

LECTURE SCHEDULE (subject to change with notice) **all classes will be recorded and available for later viewing**		
Week	Date	Description
1	1 September. W	Course introduction: overview of outline, schedules and tests
2	6 September M 8 “. W	Labour Day: no classes Chapter 2 (Basic Chemistry)
3	13 September M 15 “. W	Chapter 2 (Basic Chemistry) Chapter 3 (Cells: the living unit)
4	20 September M 22 “. W	Chapter 3 (Cells: the living unit): Chapter 1 (The human body: an orientation)
5	27 September M 29 September W	Chapter 1 (The human body: an orientation) Online review chapters 1,2,3+Assignments Chapters 1,2,3 due
6	4 October. M 6 W	Exam #1 on chapters 1, 2, 3 Chapter 5 (The skeletal system)
7	11 October. M 13 “. W	Thanksgiving + “Fall Reading Break” no classes M,T,W <i>Thurs = Monday schedule* we have a class on Thur this week</i>
8	18 October. M 20 “. W	Chapter 5 (The skeletal system) Chapter 5 (The skeletal system)
9	25 October. M 27 “. W	Chapter 6 (The muscular system) Chapter 6 (The muscular system)
10	1 November. M 3 “. W	Chapter 7 (The nervous system) Chapter 7 (The nervous system)
11	8 November. M 10 “. W	Online review chapters 5,6,7; + <i>Assignments Chapters 5,6,7 due</i> Exam #2 on chapters 5, 6, 7
12	15 November M 17 “. W	Chapter 11 (The cardiovascular system) Chapter 11 (The cardiovascular system)
13	22 November M 24 “. W	Chapter 11 (The cardiovascular system) Chapter 13 (The respiratory system)
14	29 November M 1 December. W	Chapter 13 (The respiratory system) Chapter 13 (The respiratory system)
15	3 December. M	Review class Chapters 11, 13 and <i>Assignments Chapters 11,13 due</i>
---	8-22 December	Exam #3 is worth 30%: chapters 11, 13 + general overview of other chapters and will be held in exam period (date TBA)

*Students are advised to keep a copy of the course syllabus for future reference.

*Schedule is subject to change

<https://www.mcgill.ca/importantdates/channels/event/fall-2021-reading-break-326729>