

Course Syllabus

SYSTEMIC HUMAN ANATOMY

ANAT 214 – Fall 2020



COURSE INSTRUCTOR: Dr. Gabriel Venne, B.Sc (Hons), M.Sc, D.O.(Q), Ph.D
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Lectures and Labs delivery: Both Lectures and labs will be done remotely, either synchronously via Zoom or asynchronously and posted on MyCourses. Every lectures and labs will be recorded and posted on MyCourses.

COURSE DESCRIPTION:

Systemic Human Anatomy (ANAT 214) is designed to introduce students to the gross anatomy of various organ systems of the head, neck and trunk regions of the human body. This course will emphasize functional anatomy and include surface anatomy and imaging. This course entails weekly lectures and laboratory components whereby students will explore the human body through cadaveric images, medical images and other relevant materials.

COURSE OBJECTIVES:

After completion of this course, students should be able to:

1. Use correct anatomical terminology to describe organs covered in this course, their structural characteristics, orientation, location and functional relationships.
2. Be able to visualize (3D), identify and describe the various organs of the human anatomy from a surface anatomy point of view and on cadaveric specimens.
3. Discuss and describe the components and structure of:
 - the skull, foramina and cranial nerves, orbit, the nasal and oral cavities,
 - the pharynx, larynx and main structures of the neck,
 - the major structures of the thorax (heart, lungs, and of the mediastinum),
 - the visceral / neurovascular relationships of thorax, head, neck regions,
 - the foregut, midgut, hindgut and retroperitoneal regions,
 - the pelvis, reproductive organs, urogenital and anal triangles.
4. Carry out problem solving and critical thinking techniques to apply anatomical theory to common clinical implications.

Detailed objectives for each lecture and lab will be provided in the PowerPoint slides of each individual lecture.

MCGILL POLICY STATEMENTS:

1. Academic Integrity:

McGill University values academic integrity and honesty ([McGill's guide to academic honesty](#)). 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](#) :

L'université McGill attache une haute importance à l'honnêteté académique. ([Guide pour l'honnêteté académique de McGill](#)). 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](#) :

<http://www.mcgill.ca/integrity>

<https://www.mcgill.ca/deanofstudents/students/student-rights-responsibilities/code>

2. Language of Submission:

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 does not apply to courses in which acquiring proficiency in a language is one of the objectives.

Conformément à la Charte des droits de l'étudiant de l'Université McGill, chaque étudiant a le droit de soumettre en français ou en anglais tout travail écrit devant être noté (sauf dans le cas des cours dont l'un des objets est la maîtrise d'une langue.

3. © Instructor-generated course materials:

Course materials (e.g., handouts, notes, summaries, 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.

4. Students with Disabilities:

As the instructor of this course it is my goal to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss with me and the Office for Students with Disabilities:

Office for Students with Disabilities (OSD)
1010 Sherbrooke Street West, Suite 410,
Phone: 514-398-6009 E-mail: disabilities.students@mcgill.ca
Website: <https://www.mcgill.ca/osd/>

5. End-of-course Evaluation:

End-of-course evaluations are one of the ways that McGill works towards maintaining and improving the quality of courses and the student's learning experience. You will be notified by email when the evaluations are available on Mercury, the online course evaluation system. Please note that a minimum number of responses must be received for results to be available to students.

6. Extraordinary circumstances:

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

7. Additional policies:

Additional policies governing academic issues which affect students can be found in the McGill Charter of Students' Rights:

[McGill Charter of Student's Rights](#) :

https://www.mcgill.ca/secretariat/files/secretariat/charter_of_student_rights_last_approved_october_262017.pdf

<https://www.mcgill.ca/secretariat/policies-and-regulations>

<https://www.mcgill.ca/students/srr/policies-student-rights-and-responsibilities>

INSTRUCTIONAL MATERIALS & METHODS:

Lectures: Friday: 2h35pm - 4h25pm

Lab: Tuesday: 9:35am - 11:25am, (section 17615)
Wednesday: 9:35am - 11:25am, (section 17616)

Lecture and Lab materials: Posted on [MyCourses](#)

RESSOURCES

Students are responsible for all content provided in the lecture and laboratory notes. To complement the course notes provided, students are encouraged to explore textbooks and other online resources.

3D4Medical - Complete Anatomy: We are honoured to announce that McGill acquired an institutional license of 3D4Medical - Complete Anatomy, which will be available for you for free. Please follow the following instructions for download:

1. Download [iPad](#), [Mac](#) or [Windows 10](#), [iPhone](#), or [Android](#)
2. Register for Free using their school email ending in @mail.mcgill.ca
3. Choose Settings > My Account > Redeem Code : **2GEWAU72ALHH**
(Once redeemed, Your License Details will populate to the right)
4. That's it; choose Models to get started!

Websites: [Getting Started](#)
[Help Center](#)
[Tutorials](#)

Student Videos: [Study Effectively for Students](#)
[30 Minute Webinar: Mastering Quizzes and Questions](#)

Textbook Resources: These resources are not required. Students are encouraged to purchase a textbook that suits their study needs and habits.

- **Gilroy, Anatomy an Essential Textbook**, Thieme, New York, 2013
(Recommended)
- Gilroy, Atlas of Anatomy, Third Edition, Thieme, New York, 2016
- Netter, Atlas of Human Anatomy, Sixth Edition, Elsevier, 2015

METHODS OF LEARNER ASSESSMENT/EVALUATION:

Written exams will be delivered remotely. The midterm exam will start on Friday, October 16th, 2020. Midterm exam availability window will be of 72 hours. Final exams will occur in the official exam period. Final exam availability window will be of 72 hours.

Students will NOT be allowed to write exams prior to the scheduled date. The final exams will be cumulative. The midterm and final practical exams will include both lecture and lab material.

The Final assignment will be due on Friday December 4th, 2020.

Midterm Exam	25%
Quizzes (4 at 2%) & Lab Quizzes (3: 1 & 2 at 2.5%, 3 at 3%)	15%
Final Exam	45%
Assignment	15%
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Total	100%

GRADING

Departmental Grading Policy

The Department of Anatomy & Cell Biology 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**.

Please see the policies [regarding re-assessments or re-grades](#)

https://www.mcgill.ca/study/2020-2021/university_regulations_and_resources/undergraduate/gi_examinations_gen_info

Departmental Midterm Exam/In-Course Assessment Deferral Policy

A midterm exam or other in-course assessment (i.e. quiz, assignment) in a course administered by the Department of Anatomy & Cell Biology may only be deferred in the case of a **justified absence** due to serious illness or significant extenuating circumstances AND when **valid documentation** is received by the Course Coordinator within FIVE working days of the original midterm exam or due date.

If the deferral request is accepted by the Course Coordinator, students may be offered to add the weight of the midterm exam/in-course assessment to the final exam or another course component. In the case of justified absence with valid documentation at the midterm examination, the final examination will be worth 70% respectively. In case of justified absence with valid documentation for the quizzes, the weighting will be added to the other quizzes and assignment.

Please see the [full policy](#), including information on valid documentation requirements.

<https://mcgill.ca/anatomy/undergraduate/policies-resources>

Please see the [eCalendar](#) for policies regarding reassessments of coursework and rereads of final exams.

https://www.mcgill.ca/study/2020-2021/university_regulations_and_resources/undergraduate/gi_final_examinations


For all other programs, please contact your student affairs advisor for further information.

This syllabus is an important document and should be saved for future reference. It may be needed for credit transfer, employment, certification, or licensing purposes.

ANAT 214 - Fall 2020 Schedule

Weeks	Laboratories Tuesday: 9h35-11h25 Wednesday: 9h35-11h25	Lecture Friday: 2h35-3h25	Lecture Friday: 3h35-4h25
1	NO LAB THIS WEEK	Sept 4 Intro to Course – Anatomic Terminology	Sept 4 Cranium & Foramina
2	Lab 1 Cranium – Cranial Nerves	Sept 11 Cranial Nerves	Sept 11 The Eye & Ear
3	Lab 2 Cranial Nerves - The Eyes & Ears	Sept 18 Nasal & Oral Cavities	Sept 18 Pharynx – Larynx
4 	Lab 3 Nasal & Oral Cavity Pharynx – Larynx	Sept 25 The Neck	Sept 25 Intro to Thorax
5	Lab 4 Review: Head & Neck 	Oct 2 Thoracic wall	Oct 2 Tracheobronchial Tree Lungs – Pleura
6	Lab 5 Thoracic Wall to Lungs – Pleura	Oct 9 Mediastinum	Oct 9 Heart - Pericardium
7 	Lab 6 Mediastinum – Heart	Oct 16 Midterm NO LECTURE	Oct 16 Midterm NO LECTURE
8	Lab 7 Review: Thorax 	Oct 23 Intro to Abdomen	Oct 23 Foregut – Liver
9	Lab 8 Foregut – Liver	Oct 30 Midgut & Hindgut	Oct 30 Neurovascular of Abdomen – Portal Syst
10 	Lab 9 Midgut – Hindgut	Nov 6 Post Abdominal wall and Kidneys	Nov 6 Intro to Pelvis
11	Lab 10 Post abdominal wall – Kidneys	Nov 13 Male Reproductive Organs	Nov 13 Female Reproductive Organs
12	Lab 11 Reproductive System	Nov 20 Neurovascular of Pelvis	Nov 20 Urogenital & Anal Triangles
13 	Lab 12 Neurovascular of Pelvis & Perineum	Nov 27 Review Pre-Midterm	Nov 27 Review Post-Midterm
14	Lab 13 Final Review Labs 	NO LECTURE	NO LECTURE

 Reviews

 Examination

 Online Lab Quiz

 No lecture or lab

 Online Quiz