

# Course Syllabus

## SYSTEMIC HUMAN ANATOMY

### ANAT 214 – Fall 2017

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**COURSE INSTRUCTOR:** Dr. Gabriel Venne, B.Sc (Hons), M.Sc, D.O.(Q), Ph.D  
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**Head Teaching Assistant (TA):** Diogo Mizael Bessa de Medeiros  
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**Lecture Room:** SADB - M1 (Charles Leblond Amphitheatre)  
Monday and Wednesday 3h35 to 4h25

**Laboratory Room:** Anatomy Lab (SADB 2/49) or Histology Lab (1/56)  
Monday and Wednesday 9h35 to 11h25

#### **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 prosections, imaging and other 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.
5. Demonstrate professional respect and responsible care of human specimen

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

## MCGILL POLICY STATEMENTS:

### Academic Integrity:

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

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 les sites: <http://www.mcgill.ca/students/srr/honest/>  
[https://www.mcgill.ca/secretariat/files/secretariat/code\\_-student\\_-conduct-discipline-procedures\\_april\\_2013\\_final\\_revised\\_1.pdf](https://www.mcgill.ca/secretariat/files/secretariat/code_-student_-conduct-discipline-procedures_april_2013_final_revised_1.pdf))

2. © Instructor generated 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.
3. 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)  
Redpath Library Building, 3459 McTavish, Suite RS-56  
Phone: 514-398-6009 E-mail: [disabilities.students@mcgill.ca](mailto:disabilities.students@mcgill.ca)  
Website: <http://www.mcgill.ca/osd>

4. 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.
5. In the event of extraordinary circumstances beyond the University's control, the content and/or evaluation scheme in this course is subject to change.
6. Additional policies governing academic issues which affect students can be found in the McGill Charter of Students' Rights (<http://www.mcgill.ca/secretariat/documents/>).

## **INSTRUCTIONAL MATERIALS & METHODS:**

**Lectures:** Monday & Wednesday, 3h35pm to 4h25pm  
Strathcona Anatomy Building (SADB),  
Rm - M1 (Charles Leblond Amphitheatre)

**Lab:** Monday: 9:35am – 11:25am (Section 736),  
Wednesday: 9:35am – 11:25am (Section 737);  
SADB, Anatomy Lab: Rm - 2/49 or Histology lab (1/56)

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. The following resources have been set aside by the course director to support learners with the course content.

**Lecture and Lab materials:** Posted in MyCourses: <http://mycourses2.mcgill.ca/>

**Turning Point Cloud:** Polling @ McGill (also known as the Student Response System or SRS, or previously known as clickers) is a technology-supported questioning strategy to assess students' learning and encourage active classroom participation. At McGill, we are using a web-based polling system, called TurningPoint Cloud. During a class with polling questions, students respond from their personal device (smartphone, tablet, or laptop).

You will need to download a FREE app: Responseware®!

Please visit the following website to set-up your free account to participate in the in-class quizzes! These will not be graded, but will help give you an idea of the types exam questions. <http://www.mcgill.ca/polling/>

### **The following materials need to be purchased for the anatomy lab:**

- Lab coat
- Gloves
- Safety glasses

The items above can be purchased through the McGill University Bookstore.

**PLEASE NOTE:** Labs will involve the review of cadaveric prosections (already dissected material) and full body dissections. Therefore, students are required to wear a lab coat, closed toe shoes and safety glasses and abide by the safety rules and regulations of the Anatomy lab at all times. It is expected that all students come to the lab prepared to work on the self-study activities during their assigned laboratory section. All students must read and electronically sign the Code of Conduct Form prior to entrance into the lab found on MyCourses.

**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 and reserved at Osler and Schulich Libraries)
- Gilroy, Atlas of Anatomy, Third Edition, Thieme, New York, 2016
- Netter, Atlas of Human Anatomy, Sixth Edition, Elsevier, 2015
- Rohen, J.W., Yokochi, C., Lutjen-Dreoll, E. (2015). Anatomy: A Photographic Atlas, 8th ed. Lippincott Williams & Wilkins.

**METHODS OF LEARNER ASSESSMENT/EVALUATION:**

The midterm exam will be held on Wednesday, October 25th, 2017 during the scheduled lecture time (3:35pm-4:25pm). Final exams will occur in the official exam period. 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.

Midterm Exam	25%
Lecture Quizzes (5 at 2%) and Lab Quizzes (2 at 2.5%)	15%
Final Exam	35%
Lab/Practical Exam	25%
Total	100%

The passing grade for required course in the Faculty of Science is 50%. In the case of justified absence with valid documentation at the midterm examination, the final practical examination and written examination will each be worth 35% and 50% respectively.

**GRADING**

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.

For policies regarding re-assessments or re-grades please refer to the following link: [http://www.mcgill.ca/study/2016-2017/university\\_regulations\\_and\\_resources/undergraduate/gi\\_examinations\\_gen\\_info](http://www.mcgill.ca/study/2016-2017/university_regulations_and_resources/undergraduate/gi_examinations_gen_info)

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

## ANAT 214 - Fall 2017 Schedule

Week	Lecture	Lecture	Laboratory	
	Monday 3h35-4h25	Wednesday 3h35-4h25	Monday 9h35-11h25	Wednesday 9h35-11h25
1	Sept 4 Labor Day	Sept 6 Intro to Course – Anatomic Terminology	No Labs this week	
2	Sept 11 Cranium & Foramina	Sept 13 Cranial Nerves	No Labs this week	
3	Sept 18 The Eye & Ear	Sept 20 Nasal & Oral Cavities	Lab 1 Cranium – Cranial Nerves (1/56)	
4	Sept 25 Pharynx – Larynx	Sept 27 The Neck	Lab 2 The Eye & Ear – Nasal & Oral Cavities (2/49)	
5	Oct 2 Intro to Thorax	Oct 4 Thoracic wall	Lab 3 Pharynx – Larynx – Neck (1/56)	
6	Oct 9 Thanksgiving	Oct 11 Tracheobronchial Tree Lungs – Pleura	No Labs this week	
7	Oct 16 Mediastinum	Oct 18 Heart - Pericardium,	Lab 4 Tracheobronchial Tree Lungs – Pleura (1/56)	
8	Oct 23 Review for Midterm	Oct 25 Midterm	Lab 5 Mediastinum – Heart (2/49)	
9	Oct 30 Intro to Abdomen	Nov 1 Foregut – Liver	Lab 6 Review: Head & Neck – Thorax (1/56)	
10	Nov 6 Midgut & Hindgut	Nov 8 Neurovascular of Abdomen – Portal Syst.	Lab 7 Foregut – Liver (1/56)	
11	Nov 13 Post Abdominal wall and Kidneys	Nov 15 Intro to Pelvis	Lab 8 Midgut – Hindgut – Neurovascular (2/49)	
12	Nov 20 Male Reproductive Organs	Nov 22 Female Reproductive Organs	Lab 9 Post abdominal wall – Kidneys (2/49)	
13	Nov 27 Neurovascular of Pelvis	Nov 29 Urogenital & Anal Triangles	Lab 10 Reproductive system (1/56)	
14	Dec 4 Review: Head & Neck, Thorax	Dec 6 Review: Abd – Pelvis	Dec 7 Personal Study time	Lab 11 Review: Abdomen – Pelvis (2/49)

Reviews

Exams

Histo lab (1/56)

No lecture or lab

Anatomy lab: (2/49)