

# ANATOMY 261

## Introduction to Dynamic Histology

- INSTRUCTORS: Dr. Craig Mandato  
Dr. C. R. Morales
- HEAD T.A.s Justine Touzot <justine.touzot@mail.mcgill.ca>  
Katelyn Liu <yixiu.liu@mail.mcgill.ca>
- LECTURES: Tuesday, 11:35- 12:55 pm \*\*  
Thursday, 11:35- 12:55 pm
- LABORATORY: Tuesdays, 2:30 - 4:30 pm  
Wednesdays, 2:30 - 4:30 pm  
Thursday, 2:30 - 4:30 pm

Lectures will be given in room M1 (The C.P. Leblonde Auditorium) in the Strathcona Anatomy and Dentistry Building. *Lectures will be recorded and made available on myCourses using the Lecture Recording System*

The laboratories are in the Histology Laboratory (Room 1/56), both are located in the Strathcona Anatomy and Dentistry Building.

There are 23, 1-1/2 hours lectures and 12 laboratory periods. The first lecture will be held on September 2<sup>nd</sup> and the last lecture will be held on November 23. Labs will begin the week of September 5<sup>th</sup>. There are no Labs the first week of class.

### Lectures

- 1- Organization - Histological Methods I (Sept. 1)
- 2- Histological Methods II (Sept. 6)
- 3- Skin I: Epithelial Tissue (characteristic, classification, basement membrane) (Sept. 8)
- 4- Skin II: Epithelial Tissue (junctional complexes, cell cycle) (Sept. 13)
- 5- Skin III: Epithelial Tissue (annexes: hair follicle) Sweet and Sebaceous Glands (Sept. 15)
- 6- Skin IV: Dermis; Hypodermis. Connective Tissue (classification, cells, fibers, amorphous ground substance) (Sept. 20)
- 7- Cartilage and Bone (Sept. 22)
- 8- Bone Formation (Sept. 27)
- 9- Muscular Tissue (Sept. 29)
- 10- Neuromuscular Junction (Oct. 4)
- 11- Blood Vessels I (Oct. 6)

\*\*no class on the 11 due to fall break - added class on the 14th to compensate

- 12- Blood Vessels II - Introduction to Glandular Epithelium (Oct. 13)

- 13- Respiratory System I (Oct. 14)
- 14- Respiratory System II (Oct. 18)
- 15- Digestive System I (Oral cavity, Salivary Glands) (Oct. 20)
- 16- Digestive System III (Esophagus and stomach) (Oct. 25)
- 17- Digestive System IV (Intestine) (Oct 27)
- 18- Digestive System II (Tooth, Tooth Formation) (Nov 1)
- 19- Digestive System V (Liver) (Nov. 3)
- 20- Digestive System VI (Pancreas) (Nov. 8)
- 21- Kidney (Nov. 10)
- 22- Kidney II, Pelvis, Ureter, Urinary Bladder (Nov. 15)
- 23- Nervous System I (Nov. 17)
- 24- Conclusion - Exam Demonstration (Nov. 22)
- 25- Review (?) (Nov. 24)

### Laboratories

- 1- Skin and Epithelial tissue
- 2- Skin Annexes
- 3- Skin Connective Tissue
- 4- Cartilage-Bone-Bone Formation
- 5- Muscular Tissue
- 6- Blood Vessels
- 7- Respiratory System
- 8- Digestive System I
- 9- Digestive System II
- 10- Digestive System III
- 11- Renal Tissue
- 12- Nervous Tissue

### TEXTBOOKS

#### Recommended:

Junqueira's Basic Histology, Anthony Mescher, 13<sup>th</sup> edition, Lange. McGill Bookstore

#### For Laboratory activities

Laboratory Manual (McGill Anatomy and Cell Biology Student Society - MACSS).

Berman, "Color Atlas of Basic Histology" 2nd Edition, 2002, Lange, Bookstore (optional).

Gartner and Hiatt "Color Atlas of Histology", 3rd edition, 2000, Williams and Wilkins, Medical Bookstore (optional).

Wheater, Burkitt and Daniels, "Functional Histology", 3rd edition, 1987, Churchill Livingstone.

## EVALUATION:

1. Written assignment - 10 marks
2. Laboratory participation – 5 marks
3. Laboratory quizzes – 5 marks
4. Final examination – 60 marks
5. Final laboratory exam - 20 marks (spot-type identification on digitized pictures).
  - Final laboratory exam may (sometimes) be held on the same day as the written examination (to be confirmed).

Letter grades, only, are given.

**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.**

---

Please note the following messages:

Two policy statements required by the University:

### **Language of Submission**

“In accord with McGill University’s [Charter of Student 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.” (Approved by Senate on 21 January 2009)

« 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. »

### **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](#).” (Approved by Senate on 29 January 2003) (See McGill’s [guide to academic honesty](#) 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 le [guide pour l’honnêteté académique de McGill](#)).»

## University Policy on Reassessments and Rereads

Please see the eCalendar for policies regarding reassessments of coursework and rereads of final exams:

[www.mcgill.ca/study/university\\_regulations\\_and\\_resources/undergraduate/gi\\_final\\_examinations](http://www.mcgill.ca/study/university_regulations_and_resources/undergraduate/gi_final_examinations)

## 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**.

## Departmental policy on deferred final lab exams

- Requests to defer a final LAB exam for an ANAT course scheduled during the final exam period must be made directly to the Course Coordinator using the request form found on the departmental website: [www.mcgill.ca/anatomy/undergraduate/policies-resources](http://www.mcgill.ca/anatomy/undergraduate/policies-resources).
  - Requests to defer a final WRITTEN exam must be made using the deferred exam application in Minerva: [www.mcgill.ca/exams/dates/supdefer](http://www.mcgill.ca/exams/dates/supdefer).
- Students registered with Student Accessibility & Achievement (formerly OSD) may request to complete a deferred lab exam with Student Accessibility & Achievement in accordance with the deadlines and procedures set out by that office, as per the ***Departmental policy on accommodations for anatomy lab exams***.
- All deferred anatomy lab exams will be delivered in the same format as the original lab exam.
- Timing of deferred final lab exams:
  - *Fall semester classes*: Date to be set within the Winter Add/Drop period, in consultation with students.
  - *Winter semester classes*: Date to be set during the first week of May, in consultation with students.

---

*McGill University is on land which has long served as a site of meeting and exchange amongst Indigenous peoples, including the Haudenosaunee and Anishinabeg nations. We acknowledge and thank the diverse Indigenous people whose footsteps have marked this territory on which peoples of the world now gather.*