Graduate Course 9560, 2019-20
Human Anatomy & Embryology

Course Director: Dr. Stephen Renaud, MSB428, ext 88272, srenaud4@uwo.ca

Course Description:
A study of human anatomy and embryology for MSc Clinical Anatomy, MSc Pathology Assistant & PhD students. The course consists of dissection and tutorials in gross anatomy, as well as tutorials in embryology. Students should expect to spend at least 6 h per week in the lab and 2-4 h per week in tutorials.

Course Objectives:
By the end of the 9560 course the student will be able to:
1. Describe the normal gross and developmental anatomy of all the major body regions and systems according to their identification on cadavers, functional explanations and clinical relevance.
2. Apply their anatomical knowledge to develop a diagnostic reasoning approach to basic clinical and pathological scenarios.
3. Develop stronger problem-solving, communication and collaboration skills through classroom discussions, group work and verbal assessments.

Instructors and Regions:
Dr. Kat Willmore: Head and neck – September 9 – November 7
Dr. Stephen Renaud: Back and Thorax – November 11 – December 19
Dr. Charles Rice: Limbs – January 6 – February 19
Dr. Tyler Beveridge: Abdomen and Pelvis – February 19 – April 16

Timetable:
Lecture/tutorial (M447) – Mon 10:00am-12:00pm and Wed 12:30pm-2:30pm*
Labs (M482) - Wed 8:30am-11:30am and Thurs 8:30am-11:30am
Please refer to the course website for a detailed schedule of lectures and labs
*Some of these sessions may be used for labs.

Course weight: 2.0

Textbook requirements: (or equivalent)
2. An atlas of your choice. Atlases are available in the lab. Dissectors will be required and are also supplied in the lab.

**Evaluation of Student Performance:**
Assessment is by formative oral examinations during laboratory sessions, and a final VIVA. Attendance is not taken but students must maintain an overall 80% in the course (see student handbook http://www.uwo.ca/anatomy/grad/studenthandbook_2010november18.pdf) and all components of the course must be completed to pass.

**Formative oral examinations: 80% of final mark.**
Students are expected to prepare for laboratory sessions by remaining up-to-date with the course material and laboratory dissections. As such, students will be periodically evaluated during laboratory sessions using formative oral examinations. Oral examinations during each unit (head and neck; back and thorax; limbs; and abdomen/pelvis) are equally weighted, such that oral examinations that take place during each unit contribute 20% of the final mark. At least three oral examinations will take place per student during each unit. Written feedback will be provided to students throughout each unit based on their performance during oral examinations.

   Formative oral examinations that take place during laboratory sessions:
   Head & Neck: 20% of final mark
   Back and Thorax: 20% of final mark
   Limbs: 20% of final mark
   Abdomen & Pelvis: 20% of final mark

**Final VIVA: 20% of final mark.**
A VIVA (formal oral examination) will take place the week of April 20-24 or April 27-May 1 (date to be determined). The exam will consist of one-on-one interactions with course instructors at four stations (head and neck, back and thorax, limbs, and abdomen/pelvis) containing a dissected body and/or prosected specimens. Students will be expected to demonstrate an advanced understanding of anatomy and embryology by answering questions asked by the instructors, and be able to integrate their knowledge to explain complex body systems and clinical scenarios.

**Policy on Accommodation for Medical Illness**
(https://studentservices.uwo.ca/secure/index.cfm).
Students are expected to attend all classes and laboratory sessions. If a student must be absent from regularly scheduled class times he/she is expected to contact the course instructor or coordinator and excuse himself/herself from that class or lab. A student requiring academic
accommodation due to illness, should use the Student Medical Certificate when visiting an off-campus medical facility or request a Record's Release Form (located in the Dean's Office) for visits to Student Health Services. The form can be found at: https://studentservices.uwo.ca/secure/medical_document.pdf

- **Documentation for medical or non-medical reasons**, according to the **Policy on Accommodation for Medical Illness** is required for absences from tests or exams. Documentation is not required for work worth less than 10% of the total course grade. When documentation is required for missing an exam or test, such documentation must be submitted by the student directly to the instructor.
- The date and nature of a make-up test/exam will be determined by the instructor, in consultation with the student. Generally, students who miss a lab test will be given a verbal 1:1 lab test. Written tests/exam will be made up by a written test/exam.

**DISSECTING ROOM REGULATIONS**

1. The following are mandatory in the lab:
   i. **Lab coat** - should be reserved for use in the dissecting room only. It must be reasonably clean at all times.
   ii. **Disposable gloves** for handling cadaveric material.
   iii. **Safety glasses**.
   iv. **Close-toed footwear** - sandals must not be worn.

2. For health reasons, **NO FOOD OR DRINKS** can be taken into the dissecting room.

3. **CADAVERIC MATERIAL MUST NOT BE REMOVED FROM THE DISSECTING ROOM**.

4. You are not permitted to take anyone into the dissecting room without the special permission of the course instructor, or the Chair of the Department of Anatomy & Cell Biology.
5. Cameras are not allowed in the dissecting room.

6. Report any injuries acquired in the lab to a faculty or staff member as soon as possible. First aid materials are available.

7. Handle specimens and models with care. When not in use, please ensure that specimens are covered up or placed in their correct containers.

**What it Means to Work with Cadaveric Specimens**

During the year you will have the privilege of working with cadaveric specimens. **You must treat them with respect at all times.**

Understandably, many students feel uneasy about the prospect of working with cadaveric material. In order to prepare you for the experience, there will be a short service of remembrance, held in the lab on the first day of class. It is a time to thank the donors and to reflect on what their gift means to your education. For some students, this will be their first experience of death and dying and many have found the service very useful in coming to terms with mortality and dealing with it. There will also be an orientation session about laboratory procedures at the beginning of the course.

At the end of the year, there will be a memorial service to which families and friends of the donors are invited. This is very much a student-centred service, with readings and personal reflections from students about what the gifts of the donors have meant to them. Medical, dental and health sciences students take part in the service and it has proven to be an incredibly moving and meaningful experience for both the families and the students. It is expected that students enrolled in this course will attend the memorial service. It is also recommended and appreciated for students in this course to contribute as volunteers for the memorial service. This year, the memorial service is scheduled for Saturday May 9, 2020.

**Statement of Academic Offences:**

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site:

Senate regulations require ALL instructors to include the following statements on plagiarism, cheating and proficiency in English in the course outline:

“Students must write their essays and assignments in their own words. Whenever students take an idea or passage from another author, they
must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or citations. Plagiarism is a major academic offence (see Scholastic Offence Policy in the Western Academic Calendar)."