

University of Western Ontario
Faculty of Health Science
HS 2300/ KIN 2222 Systemic Approach to Functional Anatomy

Program: Health Studies, Kin, Nursing
Course Code: HS 2300 / KIN 2222

Day & Time:

Lecture –Tues: 2:30-4:30pm Thurs 2:30 – 3:30pm

Lab – Mon, Wed, or Thurs: Various Times

Instructor: Gillian Corbo, MSc
Office: HSB 220 OR Somerville 2360E

Term/Year: Jan 8th – April 11th 2017

Course Title: Systemic Approach to
Functional Anatomy

Location: SSC 2050 & HSB 322

Office Hours: By appointment

E-mail: gcorbo@uwo.ca

Course Description:

The course is designed to provide the student with a systemic description of the anatomical structure and function of the human body. This course describes the gross anatomy of the major systems, with emphasis on application to movement and locomotion as it pertains to the musculoskeletal and cardiovascular systems. In addition to studying the gross features of the human body, we will also discuss selected clinical cases and relate this to the hierarchy of organization that occurs in the human body.

The course will provide the student with an understanding of human gross anatomy and a working knowledge of the integration of the human body's major physiological systems. At the end of this course each student should know all the major bones, muscles, nerves, and vessels of the body, by name, location, and function. Each student will also understand the three components of the cardiovascular system: the blood, the heart, and vasculature system, its physiological significance and how each component interacts with the major organ systems listed above. The spirit of this course is to foster learning, critical thinking, active questioning, and an appreciation for health and disease from a gross anatomical perspective.

Important Dates:

First day of labs: Jan 15th, 2017

Course Format:

The course will consist of 2 lectures per week, and 1 lab per week. Lectures will be structured around the textbook, and will include group discussion components. The instructional methods in lecture will predominantly be lecturing and group discussion. The instructional methods in laboratory will be minimal, and the responsibility will be on the students to work together to guide themselves through the content using the lab handouts and lecture content. Coming prepared to labs is essential, as the TA will be available to guide you, but no formal instruction will be provided during lab time.

E-mail Correspondence:

I encourage you to reach out for help when you are having any difficulties with the course, however given the size of this class, **your first point of contact for help should be your TA for your assigned lab section.** If the TA is unable to answer your question then feel free to follow up with me and I am happy to answer your questions accordingly. **If you are e-mailing to ask a question regarding how the course is run, please re-read your syllabus,** as most information can be found within this document and I will respond to those e-mails by telling you to read your syllabus. Lastly, this should already be your common practice, but **when e-mailing your TA's, or myself please include the course name/number in the subject line.**

General Learning Outcomes:

Upon completion of this course, students will correctly be able to:

1. Describe the basic function and structure of the main cell and tissue types in the human body including epithelium, connective tissue, blood, muscle and nervous tissue.
2. Explain the structure and function of major body systems including the Skeletal, Muscular, Articular and Cardiovascular systems.
3. Identify major structures within each system and the characteristic identifying features of these structures.
4. Use land-marking strategies to identify gross structures relative to one another in the body including bones, muscles, blood vessels, and nerves.
5. Compare and contrast muscle groups based on function and innervation.

Recommended Textbook:

Principles of Human Anatomy – 13th Edition, Tortora, G.J. & Neilsen, M.T. John Wiley & Sons Inc. ISBN: 978-1-118-34499-6

The textbook is available at the UWO bookstore. There will also be several 12th edition texts on 1-day reserve at the Allyn Betty Taylor Library. Ask for reading material under HS 2300.

The textbook is meant to supplement lecture material, however all relevant material will be taught in class and the textbook can be used as an additional resource for further clarity.

Additional Materials:

Lecture slides will be posted in advance of lecture. If you are a visual learner, an anatomy atlas may be beneficial to you. Netter's Atlas of Human Anatomy is the best one available.

Course Website & Availability of Material:

Course materials will be posted online at owl.uwo.ca/portal. Lecture slides will be posted before lecture. It is expected that students bring the slides and/or notes to class to take notes and make annotations.

Course Evaluation:

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| Midterm Exam | Feb 13, 2017 | 40% |
| Bellringer Lab Exam | April 4, 2017 | 20% |
| Final Exam | Final Exam Period, TBA | 40% |

The midterm and final exam will be composed of multiple choice questions and will not be cumulative. The bellringer lab exam is a cumulative exam and will cover all lecture material from the beginning of the course – however since it is a lab exam, your ability to apply your knowledge from lecture to the identification of specimens is necessary. The bellringer is a 30 minute lab identification exam, conducted in HSB 322. Your attendance and hard work in lab is crucial for your success on this exam.

Questions concerning your exams or requests to review it must be made within one week of exam grades being returned.

Lab Activities:

There will be 1 lab every week. Students enrolled in the Monday lab are encouraged to read ahead in the lecture slides to assist your understanding in lab as you will sometimes be ahead of the lectures. These labs will correspond to the current topics being discussed in the course to further your understanding of the material and concepts discussed in lecture. Students are expected to attend all laboratory sessions. Lab handouts will be provided for all laboratory sessions and will be posted to OWL prior to each session. The handouts will cover the expectations of that specific lab, as well as having questions that will help guide you through the material and allow you to connect the lab material to the content discussed in class.

Strategies for Success in the Course:

This course is a challenging lower level course due to the volume of material students are expected to know. Students are strongly encouraged to attend all lectures, as powerpoint slides cannot explain complex concepts that will be covered. By not attending lecture, students will only receive a very superficial understanding of the material covered. Below are some strategies to help you succeed in HS 2300 / KIN 2222.

- Attend lecture – this cannot be stressed enough.
- This course takes time and lots of it – set aside study time every day to review content otherwise this course will feel unmanageable.
- Learning objectives will be posted for each topic. Review these and talk them through with a classmate.
- Come to class prepared to contribute to discussion. You and your fellow classmates can learn from each other.
- Ask questions. If you don't understand something, chances are other people in the class don't either.
- Teach a friend. By teaching a concept to someone who does not have any education in anatomy, you can evaluate what you know and what you need to study more.
- This course is not an easy course. Effort will be required on your part to be successful. It is important to keep up with the labs and course material so you don't fall behind.
- **Come talk to me! I am more than happy to have students drop in to my office to ask questions about course material. Please use me as a resource - I am here to help you succeed.**

Course Policies:

Attendance

Regular attendance is expected of students in all their classes (including lectures, laboratories, tutorials, seminars, etc.). Students who neglect their academic work and assignments may be excluded from the chance to complete any make-up assignments due to absence. Students who are unavoidably absent because of illness or disability should report to their instructors on return to classes.

Missed Exams

You are entitled to reschedule an exam for legitimate conflict due to medical, religious, or compassionate reasons within a reasonable time allowance. It is your responsibility to provide appropriate documentation to the Academic Counsellor, in support of a make-up request. Similarly, final exam conflicts must be made through the Undergraduate office and documentation will be required.

If you miss your bellringer exam, with appropriate documentation, you are entitled to write a make up. The make up occurs at the end of the following term when the course is offered.

Accommodation of Medical Illness

In cases of a medical illness, please refer to the Policy on Accommodation for Medical Illness (<https://studentservices.uwo.ca/secure/index.cfm>). Documentation for medical or non-medical reasons, according to the Policy on Accommodation for Medical Illness is required for absences from tests or exams. The date and nature of a make-up test/exam will be determined by the instructor, in consultation with the student.

Use of Electronic Devices

There will be a no-tolerance policy on the use of electronic devices during exams. As you will not require a calculator, it is expected that no calculator, music devices, or communication devices are used during any examination.

Academic Misconduct & 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:

www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf

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).

Computer-marked multiple-choice exams may be subject to submission for similarity review by software to check for unusual coincidences in answer patterns that may indicate cheating.

Support Services

Students who are in emotional/mental distress should refer to Mental Health@Western: <http://www.uwo.ca/uwocom/mentalhealth/> for a complete list of options about how to obtain help.

Group Work Policies

Students will be working together in labs and in lecture, but students are expected to complete any assignments and exams independently. In lab you are expected to contribute to discussions. By not participating you are letting-down your group and depriving them of valuable discussion.

Special Accommodations

The University accommodates students with disabilities who have registered with the Disability Resource Centre. The University accommodates students whose religious obligations conflict with attendance, submitting assignments, or completing scheduled tests and examinations. A list of religious holidays involving fasting, abstention from study, or participation in fixed-time activities is available at <http://www.students.uwo.ca/current/>. Please let your instructor know in advance, and in writing, preferably in the first week of class (or a minimum of 3 weeks prior), if you will require any accommodation on these grounds. Students who plan to be absent for varsity athletics, family obligations, or other similar authorized commitments, cannot assume they will be accommodated, and should discuss their commitments with the instructor before the drop date.

Rounding of Grades

The practice will not occur in this course. The edges of this course are clear and sharp. The mark attained is the mark assigned; there is no rounding to the next grade level. Please don't ask your instructor or TA to do this as it degrades my experience as your instructor and your experience as a student.

Campus Support Services:

Student Development Centre

Student Services Building
www.sdc.uwo.ca/

- Writing Support
- Learning Skills Services
- Services for Students w/ Disabilities
- Psychological Services
- Indigenous Services

Student Success Centre

University Community Centre
www.success.uwo.ca/

Student Health Services

University Community Centre
www.health.uwo.ca/

Office of the Ombudsperson

Student Services Building
www.uwo.ca/ombuds

International & Exchange Student Centre

International Graduate Affairs Building
www.iesc.uwo.ca/