

University of Western Ontario
Faculty of Health Science
HS 3300 / KIN 3222

Anatomy of the Human Body: A Description of Systemic Structure & Function Part II

Course Title: Anatomy of the Human Body: Part II	Instructor: Gillian Corbo, MPT, MSc
Course Code: HS 3300 / KIN 3222	Office: HSB 216
Program: Health Studies, Kin, Nursing	Office Hours: By appointment
Term/Year: Jan 6 th – April 24 th 2020	E-mail: gcorbo@uwo.ca
Day & Time:	Teaching Assistants:
<i>Lecture</i> –Tuesday 9:30-11:30am & Thursday 9:30-10:30am	Marquise Bonn- mmayo23@uwo.ca
Location: HSB 40	Melanie Dissanayake - mdissan@uwo.ca
	Mollie Manley – mmanley7@uwo.ca
	Sean Spillsbury – sspillsbu@uwo.ca

Course Description:

The course is designed to provide the student with a gross anatomical description of the structure and function of the human body focusing on systems responsible for maintaining the body (nervous, respiratory, digestive, urinary, endocrine), and for its continuation through the transmission of genes (reproductive system, developmental anatomy). Emphasis will be on the biological functions as they relate to the anatomical structure. The impact of disease and trauma to the various organ systems will be discussed & related to the relevant anatomy. The objective of this course is to give each student an advanced understanding of human gross anatomy and working knowledge of the anatomical systems of the human body with particular reference to cavity systems and human development. At the end of this course each student should know the anatomical and functional issues regarding the nervous, endocrine, respiratory, digestive and urinary systems. In addition, a strong working knowledge of human reproduction and development will be attained.

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.

The prerequisite for this course is HS 2300, HS 2330 or KIN 2222. Unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites

General Learning Outcomes:

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

1. Describe the basic function and structure of the main organs and tissues in the body
2. Explain the structure and function of major body systems including the Nervous, Endocrine, Respiratory, Digestive, Urinary, and Reproductive System
3. Identify major structures within each system and their characteristic identifying features
4. Use land-marking strategies to identify gross structures relative to one another in the body including bones, muscles, blood vessels, and nerves.

Copyright Material:

Lectures and practice resources are intellectual property and are not to be uploaded on sites like CourseHero or other similar study resource sites. Copyright infringement and takedown requests will be filed if you upload these resources.

You are not permitted to make audio or video recordings of class or laboratory presentations, without specific written authorization of the course instructor. Similarly, you may not reproduce or distribute any materials that are provided to you by the course instructor, unless you receive specific written authorization to do so. Violation of this course policy will be evaluated as per the Student Code of Conduct, available here:

<http://www.uwo.ca/univsec/pdf/board/code.pdf>

Important Dates:

Spring Reading Week: February 17th - 21st, 2020

Course Format:

The course will consist of 2 lectures per week. The instructional methods in lecture will predominantly be lecturing and group discussion.

E-mail Correspondence:

I encourage you to reach out for help when you are having any difficulties with the course, however, **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. 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.**

Recommended Textbook:

Principles of Human Anatomy – 14th 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.

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 one of the best 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:

The exams are in-class and 90 minutes in duration. Exams may consist of multiple-choice questions including standard and k-type questions (multiple-multiple), fill in the blank questions, diagrams, labelling exercises and short answer cases. The examinations will not be cumulative. Please be aware that completion of the teaching material and the examination may be close together, so it is important to keep up with the lectures. Questions concerning your exams or requests to review it must be made within one week of exam grades being returned.

Grading

<p>Midterm 1 <u>Tuesday, February 4th, 2020</u> <u>9:30 – 11:00 AM</u></p> <ul style="list-style-type: none"> • Nervous System • Special Senses • Endocrine System 	<p>32%</p>	<p>Midterm 1 and Midterm 2 are 90 minutes in duration and will consist of 50 - 70 marks.</p> <p>The Final Exam during the April Exam period is 120 minutes in duration and will consist of 60 – 90 marks.</p> <p>For all assessments there will be multiple choice, K-type, fill-in-the-blank, labelling and short-answer questions. Images will be used in the assessments. There will be questions based on the clinically relevant material reviewed in class or similar health-relevant issues.</p>
<p>Exam 2 <u>Tuesday, March 10th, 2020</u> <u>9:30 – 11:00 AM</u></p> <ul style="list-style-type: none"> • Respiratory System • Digestive System 	<p>32%</p>	
<p>Exam 3 <u>April Exam Period</u></p> <ul style="list-style-type: none"> • Urinary System • Reproductive System • Human Development 	<p>36%</p>	

Strategies for Success in the Course:

This course is a challenging upper 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 3300 / KIN 3222.

- 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 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 & University Policies:

Code of Conduct

The purpose of the Code of Student Conduct is to define the general standard of conduct expected of students registered at The University of Western Ontario, provide examples of behaviour that constitutes a breach of this standard of conduct, provide examples of sanctions that may be imposed, and set out the disciplinary procedures that the University will follow. For more information, visit <http://www.uwo.ca/univsec/pdf/board/code.pdf/>

Academic Consideration

The University recognizes that a student's ability to meet their academic responsibilities may, on occasion, be impaired by extenuating circumstances, including short-term illness or injury. Reasonable academic consideration is a cooperative process between the University, the student, and academic staff. All participants in the process must act in good faith, and fulfil their respective obligations, if it is to succeed.

Students who experience an extenuating circumstance (illness, injury, or other extenuating circumstance) sufficiently significant as to temporarily render them unable to meet academic requirements, may submit a request for academic consideration through the following routes:

- (i) Submitting a Self-Reported Absence form, provided that the conditions for submission are met;
- (ii) For medical absences, submitting a Student Medical Certificate (SMC) signed by a licensed medical or mental health practitioner, in order to be eligible for Academic Consideration; or
- (iii) For non-medical absences, submitting appropriate documentation (e.g., obituary, police report, accident report, court order, etc.) to Academic Counselling in their Faculty of registration, in order to be eligible for academic consideration.

Students seeking academic consideration:

- Are advised to consider carefully the implications of postponing tests or midterm exams or delaying handing in work;
- Are encouraged to make appropriate decisions, based on their specific circumstances, recognizing that minor ailments (e.g., upset stomach) or upsets (e.g., argument with a friend) are not normally an appropriate basis for a self-reported absence;
- **Must communicate with their instructors no later than 24 hours** after the end of the period covered by either the self-reported absence or SMC, or immediately upon their return following a documented absence;
- **Are advised that all necessary documentation, forms, etc. are to be submitted to academic counselling within two business days after the date specified for resuming responsibilities**

Students who experience an unexpected illness or injury or an extenuating circumstance (48 hours or less) that is sufficiently severe as to temporarily render them unable to meet academic requirements (e.g., attending lectures or labs, writing tests or midterm exams, completing and submitting assignments, participating in presentations) should self-declare using the online Self-Reported Absence portal. This option should be used in situations where the student expects to resume academic responsibilities within 48 hours or less.

The following conditions are in place for self-reporting of medical or extenuating circumstances:

- a. Students will be allowed a maximum of two self-reported absences between September and April, and one self-reported absence between May and August;
- b. The duration of the excused absence will be for a maximum of 48 hours from the time the Self-Reported Absence form is completed through the online portal, or from 8:30am the following morning if the form is submitted after 4:30pm;
- c. The duration of the excused absence will terminate prior to the end of the 48 hour period, should the student undertake significant academic responsibilities (e.g., write a test, submit a paper) during that time;
- d. The duration of an excused absence will terminate at 8:30am on the day following the last day of classes each semester, regardless of how many days of absence have elapsed;
- e. Self-reported absences will not be allowed for scheduled final examinations; for midterm examinations scheduled during the December examination period; or for final lab examinations (i.e., “bellringers”);
- f. Self-reporting may not be used for assessments (e.g., midterm exams, tests, reports, presentations, or essays) worth more than 30% of any given course;

Students must be in touch with their instructors no later than 24 hours after the end of the period covered by the Self-Reported Absence form, to clarify how they will be expected to fulfil the academic expectations they may have missed

Missed Exams

Only under exceptional circumstances will permission be granted for writing an exam on an alternate date (legitimate medical, religious or academic reasons (e.g. varsity sport athlete). If the exam was missed due to illness, proper documentation must be provided to the School office (academic counselor) as soon as physically possible (see university policies below for further instruction). You must contact me, your course instructor, that you have missed the exam. If approved, written makeup examinations may consist of short and long answer questions, case studies and/or image-based questions based on anatomical and clinical material from lectures.

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.

Attendance

In the School of Health Studies, each course instructor sets specific expectations for attendance and participation that are specific to the course, teaching objectives, and learning outcomes.

Regular attendance is expected and essential for all courses, but particularly those that include participation grades in their evaluation schemes. Participation means not only attendance, but active engagement in the class, including (for example) contribution to small and large group discussions, a demonstrated effort to prepare for class by completing assigned readings before class, and following the instructor's guidelines for use of electronic devices during class time. Students who miss classes, or parts of classes, are responsible for the material they have missed. Instructors are not obliged to review the contents of missed lectures.

Persistent absenteeism may have serious repercussions, and may result in you failing this course. In this course, the equivalent of 3 weeks of unexcused absences, per term, will be considered to be persistent absenteeism. Persistent absenteeism will result in you being contacted by the instructor, who may request a meeting. Continued absence after this point will be reported to the Undergraduate Chair, and may result in debarment from writing the final examination, and/or submitting the final course paper. In such a case, you would receive a grade of zero on the evaluations from which you were debarred.

Use of Electronic Devices

During Exams: Unless you have medical accommodations that require you to do so, or explicit permission from the instructor of the course, you may not use any electronic devices during ANY tests, quizzes, midterms, examinations, or other in-class evaluations.

During Lectures and Tutorials: Although you are welcome to use a computer during lecture and tutorial periods, you are expected to use the computer for scholastic purposes only, and refrain from engaging in activities that may distract other students from learning. From time to time, your professor may ask the class to turn off all computers, to facilitate learning or discussion of the material presented in a particular class. Unless explicitly noted

otherwise, you may not make audio or video recordings of lectures – nor may you edit, re-use, distribute, or re-broadcast any of the material posted to the course website.

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:

http://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.

Group Work Policies

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

SHS Grade Policy

The university-wide descriptor of the meaning of letter grades, as approved by Senate:

A+	90-100	One could scarcely expect better from a student at this level
A	80-89	Superior work that is clearly above average
B	70-79	Good work, meeting all requirements and eminently satisfactory
C	60-69	Competent work, meeting requirements
D	50-59	Fair work, minimally acceptable.
F	below 50	Fail

It is expected that the grades for this course will fall between 72-76%. In the event that the course average falls outside this range, a constant may be added (or subtracted) from each student's grade, by the instructor, to bring the class average in line with school policy.

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.

Health & Wellness

As part of a successful undergraduate experience at Western, we encourage you to make your health and wellness a priority. Western provides several on-campus health-related services to help you achieve optimum health and engage in healthy living while pursuing your degree. For example, to support physical activity, all students receive membership in Western's Campus Recreation Centre as part of their registration fees. Numerous cultural events are offered throughout the year. Please check out the Faculty of Music web page (<http://www.music.uwo.ca/>), or the McIntosh Gallery (<http://www.mcintoshgallery.ca/>). Further information regarding health and wellness-related services available to students may be found at <http://www.health.uwo.ca/>.

If you are in emotional or 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. To help you learn more about mental health, Western has developed an interactive mental health learning module, found here: https://uwo.ca/health/mental_wellbeing/education/module.html.

Campus Support Services:

There are various support services around campus & these include, but are not limited to:

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/

Registrar's Office

Student Services Building

www.registrar.uwo.ca/

Student Health Services

University Community Centre

www.health.uwo.ca/

- Medical Care
- Counselling & Psychiatry

Office of the Ombudsperson

Student Services Building

www.uwo.ca/ombuds/

International & Exchange Student Centre

International Graduate Affairs Building

www.iesc.uwo.ca/

Semester Schedule: (Subject to change as required)

Date	Unit	Chapter	Topics	
Tues Jan. 7	Nervous System	16	Course Overview Organization of the Nervous System	
Thurs Jan. 9		17, 18	CNS: Brain	
Tues Jan. 14		18	CNS: Spinal Cord PNS: Spinal Nerves & Cranial Nerves	
Thurs Jan. 16		19	PNS: Autonomic System	
Tues Jan. 21	Special Senses & Endocrine	21	Vision Hearing	
Thurs Jan. 23		22	Hormones Hypothalamus & Pituitary	
Tues Jan. 28		22	Thyroid & Parathyroid Adrenal Glands & Pancreas	
Thurs Jan. 30	Content Review			
Tues Feb. 4	MIDTERM 1			
Thurs Feb. 6	Respiratory System	23	Organization of the Respiratory System Nasal Cavity Pharynx	
Tues Feb. 11		23	Larynx Trachea & Bronchi Lungs & Pleural Cavity	
Thurs Feb. 13	Digestive System	24	Alimentary Canal Oral Cavity, Esophagus	
Tues Feb. 18		Spring Reading Week		
Thurs Feb. 20		Spring Reading Week		
Tues Feb. 25		24	Abdominal Cavity Stomach	
Thurs Feb 27		24	Small Intestine Liver	
Tues Mar. 3		24	Pancreas & Gallbladder Large Intestine Rectum & Anus	
Thurs Mar. 5	Content Review			
Tues Mar. 10	MIDTERM 2			
Thurs Mar. 12	Urinary System	25	Urinary Development Kidney	
Tues Mar. 17		25	Nephron Ureters, Urethra & Urination	
Thurs Mar. 19	Reproduction & Human Development	26	Male Reproductive System	
Tues Mar. 24		26	Accessory Glands & Semen	
Thurs Mar. 26		26	Female Reproductive System	
Tues Mar. 31		26	Ovaries, Uterus & Vagina External Genitalia & Mammary Glands	
Thurs Apr. 2		4	Fertilization Fetal Development Labour	
TBD	FINAL EXAM			