



HK*3502 Human Anatomy

Winter 2019

Section(s): C01

Department of Human Health and Nutritional Sciences

Credit Weight: 0.75

Version 1.00 - January 07, 2019

1 Course Details

1.1 Calendar Description

Second part of the two-semester course HK*3501/2. Refer to HK*3501/2 for course description.

Pre-Requisite(s): HK*3501

1.2 Course Description

A two-semester lecture and laboratory course in human anatomy which includes a detailed study of the skeleton, upper and lower limbs, thorax, abdomen, pelvis, perineum, head, neck and central nervous system. Labs involve observation of anatomical details using prosections and dissected specimens. This is a two-semester course offered over consecutive semesters. When you select it you must select HK*3501 in the Fall semester and HK*3502 in the Winter semester. A grade will not be assigned to HK*3501 until HK*3502 has been completed.

1.3 Timetable

LECTURE TIMES:

Monday, Wednesday and Friday 12:30 p.m. – 1:20 p.m. ROZH 101

LABORATORY TIMES:

Lab #	Day	Time	Location
LAB 1	Wednesday	2:30 p.m. – 4:20 p.m.	OVC 1610
LAB 2	Friday	2:30 p.m. – 4:20 p.m.	OVC 1610

1.4 Final Exam

Exam time and location is subject to change. Please see WebAdvisor for the latest information.

2 Instructional Support

2.1 Instructional Support Team

Instructor: Geoffrey Power
Email: gapower@uoguelph.ca
Telephone: +1-519-824-4120 x53752
Office: ANNU 330B

Office Hours: Please see courselink for office hours

2.2 TAs

Leslie Ogilie - ogilviel@uoguelph.ca

Nicole Fletcher - fletchen@uoguelph.ca

Sergiu Duplea - sduplea@uoguelph.ca

Valerie Wai - wai@uoguelph.ca

*TAs can be contacted via Email

3 Learning Resources

3.1 Required Resource(s)

Essential Clinical Anatomy (Textbook) (Textbook)

4 Learning Outcomes

4.1 Course Learning Outcomes

By the end of this course, you should be able to:

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LEARNING OUTCOMES:

Students will learn and understand the diversity and underlying principles of design relating to the anatomy of the human body. Detailed knowledge of anatomical structures and function will be covered. Through the use of donated human cadavers, laboratory sessions will allow for self-directed and guided hands-on learning of human anatomy. The second half of this course (3402 / 3502) will cover the pelvis and lower limbs, neck, head and brain.

By the end of this course, you should be able to:

1. Identify and describe the relationships of major anatomical structures present in the Pelvis, thigh, leg and foot.
2. Understand and describe the pathway of nerves, from their points of origin as rami of spinal nerves, to their distribution sites; apply your knowledge of the origin and pathway of nerves to determine which structures they innervate.
3. Explain the coordinated activity of muscles in producing movements of the body.
1. Identify the proximal and distal attachments of muscles present in the pelvis, thigh, leg, foot, neck and head; infer the action(s) of muscles based on their osteological attachments.

2. Identify cranial nerves, and function.
 3. Identify structures of the Brain, eye and ear, autonomic nervous system and apply your knowledge of structure and function.
 4. Demonstrate oral competency, with an emphasis on providing salient information in a clinical presentation.
 5. Work actively, in a small team-based learning group; work together in a respectful and collaborative manner.
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5 Teaching and Learning Activities

5.1 Lecture

Topic(s):

CLASS SCHEDULE: WINTER 2019 (topic dates subject to change)

Week 1 – Pelvis and Abdominal Wall

Laboratory 1 - Posterior abdominal wall dissections
(Please see lab outlines for details)

Week 2 – Lumbar plexus, and Pelvic floor and perineum

Laboratory 2 - Pelvis (Please see lab outlines for details)

Week 3 – Pelvic Viscera, Gluteal/Hip region, and Femur and Thigh

Laboratory 3 - Pelvis (Please see lab outlines for details)

Week 4 – Knee extensors and Leg, Movement analysis, Knee

Laboratory 4 - Gluteal region dissections (Please see lab outlines for details)

Week 5 – Movement analysis review and Foot, Leg muscles

Laboratory 5 - Thigh and Knee dissections (Please see lab outlines for details)

Week 6 – Foot and Plantar muscles, Review, MIDTERM EXAM

Laboratory 6 - Leg and Foot dissections (Please see lab outlines for details)

WINTER BREAK

Week 7 – Skull and Neck

Laboratory 7 – Review for practical exam

Week 8 – Neck cont. and Brain

Laboratory 8 - Suboccipital triangle & ant. neck dissections (Please see lab outlines for details)

Week 9 – Cranial Nerves, and Tongue/nose

Laboratory 9 - Brain & cranial nerve dissections (Please see lab outlines for details)

Week 10 – Eye and Ear, and Autonomic nervous system

Laboratory 10 - Head and Neck (Please see lab outlines for details)

Week 11 – Research in anatomy

Laboratory 11 - Head and Neck (Please see lab outlines for details)

Extra lab time is offered in the evening on either Monday or Thursday (alternating weekly – contact TA for information) throughout the semester. The week leading up to a practical exam, additional evening hours will be available.

Students are advised that material presented in class and laboratory may vary slightly from that depicted here

6 Assessments

6.1 Marking Schemes & Distributions

Form of Assessment	Allocation of Marks	Learning Outcomes
Written Test 1 (Date - February 13th in class)	20%	1-4
Practical Test 1 (Date - March 2nd)	20%	1-3
Written Test 2 (Final exam - TBA)	20%	4-6
Practical Test 2 (Date - March 30th)	20%	4-6
Group presentation (clinical topic - Last	15%	7, 8

week during labs)

Laboratory Participation	5%	8
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Total Marks: 100%

7 Department of Human Health and Nutritional Sciences Statements

7.1 Academic Advisors

If you are concerned about any aspect of your academic program:

- Make an appointment with a program counsellor in your degree program. [B.Sc. Academic Advising](#) or [Program Counsellors](#)

7.2 Academic Support

If you are struggling to succeed academically:

- Learning Commons: There are numerous academic resources offered by the Learning Commons including, Supported Learning Groups for a variety of courses, workshops related to time management, taking multiple choice exams, and general study skills. You can also set up individualized appointments with a learning specialist. <http://www.learningcommons.uoguelph.ca/>
- Science Commons: Located in the library, the Science Commons provides support for physics, mathematic/statistics, and chemistry. Details on their hours of operations can be found at: <http://www.lib.uoguelph.ca/get-assistance/studying/chemistry-physics-help> and <http://www.lib.uoguelph.ca/get-assistance/studying/math-stats-help>

7.3 Wellness

If you are struggling with personal or health issues:

- Counselling services offers individualized appointments to help students work through personal struggles that may be impacting their academic performance. <https://www.uoguelph.ca/counselling/>
- Student Health Services is located on campus and is available to provide medical attention. <https://www.uoguelph.ca/studenthealthservices/clinic>
- For support related to stress and anxiety, besides Health Services and Counselling Services, Kathy Somers runs training workshops and one-on-one sessions related to stress management and high performance situations. <http://www.uoguelph.ca/~ksomers/>

8 University Statements

8.1 Email Communication

As per university regulations, all students are required to check their e-mail account regularly: e-mail is the official route of communication between the University and its students.

8.2 When You Cannot Meet a Course Requirement

When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons please advise the course instructor (or designated person, such as a teaching assistant) in writing, with your name, id#, and e-mail contact. The grounds for Academic Consideration are detailed in the Undergraduate and Graduate Calendars.

Undergraduate Calendar - Academic Consideration and Appeals

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml>

Graduate Calendar - Grounds for Academic Consideration

<https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/index.shtml>

8.3 Drop Date

Courses that are one semester long must be dropped by the end of the fortieth class day; two-semester courses must be dropped by the last day of the add period in the second semester. The regulations and procedures for course registration are available in the Undergraduate and Graduate Calendars.

Undergraduate Calendar - Dropping Courses

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-drop.shtml>

Graduate Calendar - Registration Changes

<https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/genreg-reg-regchg.shtml>

8.4 Copies of Out-of-class Assignments

Keep paper and/or other reliable back-up copies of all out-of-class assignments: you may be asked to resubmit work at any time.

8.5 Accessibility

The University promotes the full participation of students who experience disabilities in their academic programs. To that end, the provision of academic accommodation is a shared responsibility between the University and the student.

When accommodations are needed, the student is required to first register with Student Accessibility Services (SAS). Documentation to substantiate the existence of a disability is required; however, interim accommodations may be possible while that process is underway.

Accommodations are available for both permanent and temporary disabilities. It should be noted that common illnesses such as a cold or the flu do not constitute a disability.

Use of the SAS Exam Centre requires students to book their exams at least 7 days in advance and not later than the 40th Class Day.

More information can be found on the SAS website
<https://www.uoguelph.ca/sas>

8.6 Academic Integrity

The University of Guelph is committed to upholding the highest standards of academic integrity, and it is the responsibility of all members of the University community—faculty, staff, and students—to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring. University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff, and students have the responsibility of supporting an environment that encourages academic integrity. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection.

Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor.

Undergraduate Calendar - Academic Misconduct
<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-amisconduct.shtml>

Graduate Calendar - Academic Misconduct
<https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/index.shtml>

8.7 Recording of Materials

Presentations that are made in relation to course work - including lectures - cannot be recorded or copied without the permission of the presenter, whether the instructor, a student, or guest lecturer. Material recorded with permission is restricted to use for that course unless further permission is granted.

8.8 Resources

The Academic Calendars are the source of information about the University of Guelph's procedures, policies, and regulations that apply to undergraduate, graduate, and diploma programs.

Academic Calendars

<https://www.uoguelph.ca/academics/calendars>
