



HK*4441 Advanced Study in Human Anatomy

Fall 2019

Section(s): C01

Department of Human Health and Nutritional Sciences

Credit Weight: 1.00

Version 1.00 - August 30, 2019

1 Course Details

1.1 Calendar Description

First part of the two-semester course HK*4441/2. This course will provide students who have completed HK*3401/2 with the opportunity to pursue anatomical studies in an interdisciplinary fashion at the advanced level. Students will use their knowledge in anatomy to develop educational material and/or teach anatomical concepts and applications of human anatomy. This is a two-semester course offered over consecutive semesters. When you select it you must select HK*4441 in the first semester and HK*4442 in the second semester. A grade will not be assigned to HK*4441 until HK*4442 has been completed. Students must make arrangements with the course coordinator at least one semester in advance, and the signature of the course coordinator will be required to select the course. A departmental registration form must be obtained from the course coordinator and submitted no later than the second class day of the semester in which the student is registered for the course.

Pre-Requisites: HK*3402, (HK*3810 or HK*3940)

Restrictions: Course coordinator consent required.

1.2 Course Description

This is a laboratory-based course in which students explore concepts of human anatomy using an inquiry-based approach. Investigation of the clinical- and research-based applications of anatomy will allow students to integrate material learned in previous courses and gain experience conducting independent work. In addition, students will use their knowledge in anatomy to develop educational material and teach anatomical concepts and applications of human anatomy.

1.3 Timetable

Class Tuesday and Thursday: 8:30 - 9:50 MCKN 312

Laboratory Periods Monday: 10:30 – 1:20

BIOM 1610

Monday: 1:30 - 4:20

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:	Lorraine Jadeski
Email:	ljadeski@uoguelph.ca
Telephone:	+1-519-824-4120 x53740
Office:	OVCE 2617
Office Hours:	By appointment

2.2 Teaching Assistants

Teaching Assistant:	Eamon Fitzpatrick
Email:	fitzpate@uoguelph.ca
Office Hours:	By appointment

3 Learning Resources

3.1 Required Resources

Lab Coat (Equipment)

Students are required to wear white lab coats during regularly scheduled laboratory sessions, and blue lab coats when participating in outreach sessions. All lab coats will be available in the laboratory for student use. Students must wear clothing that covers their legs and feet: e.g., long pants and suitable shoes (closed-toed/ensure whole foot is covered).

Please note: students are not permitted to enter the laboratory if they are not suitably attired.

Gloves (Equipment)

Gloves (nitrile; non-latex) and dissection instruments are available in the laboratory for student use.

Courselink (Website)

<https://courselink.uoguelph.ca>

This course will make use of the University of Guelph's course website on D2L (via Courselink). Consequently, students are responsible for all information posted on the Courselink page for HK*4441/2.

3.2 Recommended Resources

Netter's Clinical Anatomy (Textbook)

John T. Hansen

4th Edition, Elsevier

3.3 Additional Resources

Undergraduate Calendar (Website)

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/>

The undergraduate calendar is the source of information about the University of Guelph's procedures, policies and regulations, which apply to undergraduate programs.

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<http://www.thiemeteachingassistant.com/>

off campus access:

<https://subzero.lib.uoguelph.ca/login?URL=http://www.thiemeteachingassistant.com/>

<http://www.thiemeteachingassistant.com.subzero.lib.uoguelph.ca/Terms%20of%20Use>

4 Learning Outcomes

This course will specifically address the following learning objectives: literacy, understanding forms of inquiry, depth and breadth of understanding, independence of thought and love of learning.

4.1 Course Learning Outcomes

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

1. Demonstrate a love of learning that may be reflected in: intellectual curiosity, the ability to ask useful kinds of questions, dissatisfaction with simply accumulating

- facts or data (excerpt from the University of Guelph learning objectives).
2. Develop oral communication skills to facilitate discussions with responsiveness and adaptability.
 3. Demonstrate and improve upon their written and oral competency, with an emphasis on providing salient information.
 4. Work actively in small team-based learning groups with the opportunity to engage in constructive discussions.
 5. Engage in a cross directional exchange of information with health care professionals and other outreach participants.
 6. Describe organizational and functional relationships between anatomical structures; this understanding will be used to enhance students' ability to consider clinical- and/or research-based applications.
 7. Create educational materials (i.e., cadaver-based prosections) for use in the human anatomy program.
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5 Teaching and Learning Activities

5.1 Course Structure

Course material will be addressed in a self-directed, small group, laboratory-based learning environment. Weekly class/laboratory time will provide a forum for students to: 1) engage in small group discussions, 2) work on class projects with group members, 3) interact with course instructor and/or teaching assistant to discuss course work, and 4) participate in outreach sessions.

Students are divided into teams that are tasked with creating a dissection/prosection/series of prosections. These are conceptualized and created to provide useful teaching tools for use within the human anatomy program. Throughout the year students are asked to reflect on the relevance of their work, and how it may be adapted or improved for the future. The work will be assessed in the form of a teaching seminar and/or a photographic assignment (digital atlas) that assess the rationale for dissection, logical progression of images and skill of the work.

Through facilitating sessions in the 'Outreach Program', students improve oral communication skills, and foster responsiveness and adaptability as they interact with learners and professionals from other institutions. Outreach-based assignments (fall and winter) are tailored towards generating ideas for improvement of the outreach program and, subsequent implementation.

To facilitate needs of the human anatomy program, outreach sessions will be scheduled outside of regular class/laboratory periods;

HK*4441/2 students may participate in sessions that do not conflict with their academic schedules.

6 Assessments

6.1 Methods of Assessment

<p>HK*4441 ASSESSMENT:</p> <p>Fall Value</p> <p>% Final Grade</p>	<p>Due Dates</p> <p>For Fall 2019 Assignments</p>	<p>HK*4442 ASSESSMENT:</p> <p>Winter Value</p> <p>% Final Grade</p>	<p>Learning Outcomes</p>
<p>Photographic Journal Submissions:</p> <p>5%</p>	<p>Submission 1:</p> <p>Software Checklist and Camera Settings</p> <p>Wednesday September 18, 2019</p> <p>at 4:00 PM</p> <p>Submission 2:</p> <p>Digital Atlas Draft</p> <p>Thursday October 18, 2019</p>	<p>Dissection Progress Demonstrations</p> <p>5%</p>	<p>1; 3 – 4; 6 – 7</p>

	at 12:00 PM (noon)		
		CV Assignment 10%	1; 3
Digital Atlas: Osteology 10%	Friday November 8, 2019 at 4:00 PM	Digital Atlas: Dissection-based 15%	1; 3; 4
Anatomy Teaching Seminar 10%	In Class: Tuesday November 19, 2019 Thursday November 21, 2019	15%	1-7

	<p>Tuesday November 26, 2019</p> <p>Thursday November 28, 2019</p>		
		<p>Poster Presentation</p> <p>10%</p>	<p>1 – 4; 6 – 7</p>
<p>Overall Participation</p> <p>10%</p>		<p>Overall Participation</p> <p>10%</p>	<p>4; 5; 7</p>
<p>Contributing to HK*4441/2 Final Mark:</p> <p>35%</p>		<p>65%</p>	

Please Note: Dates and times of assignment submission due dates will be strictly adhered to;

a penalty of 10% per day will apply to late submissions.

7 Course Statements

7.1 Use of Digital Images in the Human Anatomy Laboratory

Students will utilize the laboratory's cameras and assigned computers to complete photographic-based assignments for HK*4441/2.

Cameras and Memory Cards: Cameras may be signed out during working hours (i.e., 9 – 16:30). Memory cards must not be removed from cameras.

Computers: All digital-based work must be stored within assigned folders on laboratory computers as per instructions.

7.2 Security/Confidentiality

It is critical that this opportunity is treated with extreme maturity and respect. **Digital images obtained do not belong to students; all images must remain on equipment within the human anatomy laboratory.** Students may not attempt to access the internet while on the computers or transfer images to personal media. Any student-owned digital media such as USB drives are forbidden in the laboratory.

8 Department of Human Health and Nutritional Sciences Statements

8.1 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](#)

8.2 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>

8.3 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.selfregulationskills.ca/>

9 University Statements

9.1 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.

9.2 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>

9.3 Drop Date

Students will have until the last day of classes to drop courses without academic penalty. The deadline to drop two-semester courses will be the last day of classes in the second semester. This applies to all students (undergraduate, graduate and diploma) except for Doctor of Veterinary Medicine and Associate Diploma in Veterinary Technology (conventional and alternative delivery) students. The regulations and procedures for course registration are available in their respective Academic 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>

Associate Diploma Calendar - Dropping Courses

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

9.4 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.

9.5 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>

9.6 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>

9.7 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.

9.8 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>
