1 Course Details

1.1 Calendar Description

This course covers laboratory techniques which are central to human biology, together with their underlying concepts. Human performance and function are evaluated through cellular, organic, systemic and whole person studies. The student's technical competence and conceptual understanding are emphasized.

**Co-Requisites:**
HK*3810

**Restrictions:**
Registration in the Human Kinetics major.

1.2 Course Description

The objective of this course is to introduce the student to laboratory measures that examine the functioning of a human body at rest and in motion. The students will be introduced to the underlying concepts of various physiological and neuromechanical measures in lecture. The principles from lecture will then be used to make direct respiratory, cardiovascular, metabolic, thermoregulatory, neuromuscular, sensorimotor, kinetic and kinematic measures in the laboratory. Students will be asked to describe the laboratory measures and findings, and to integrate the lecture and laboratory material in formalized laboratory reports. The information and technical expertise gained in this course will provide the foundation for future and more advanced courses (i.e. HK 4600 Applied Human Kinetics II and others) that explore human biology in the Human Kinetics Major.

1.3 Timetable

**Lecture:** Classes will be held online with a set time for M, W, F - 1:30-2:20 PM (synchronous remote). Some exceptions may be made, allowing students to view course material on their own schedule when direct online interaction is not required.

**Laboratories:** Labs are in-person in JT Powell Building rooms 2236 and 2237.

**Section 0101:** Tuesday – 10:00 PM – 12:50 PM
Section 0102: Tuesday - 2:30 PM - 5:20 PM

Section 0103: Wednesday - 2:30 PM - 5:20 PM

Section 0104: Thursday – 10:00 AM – 12:50 PM

Section 0105: Thursday – 2:30 PM – 5:20 PM

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

<table>
<thead>
<tr>
<th>Instructor</th>
<th>Jamie Burr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email</td>
<td><a href="mailto:burrj@uoguelph.ca">burrj@uoguelph.ca</a></td>
</tr>
<tr>
<td>Telephone</td>
<td>+1-519-824-4120 x52591</td>
</tr>
<tr>
<td>Office</td>
<td>HHNS Annex 263</td>
</tr>
<tr>
<td>Office Hours</td>
<td>Office hours by appointment (Instructions for online office hours will be provided in-class)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Instructor</th>
<th>John Zettel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email</td>
<td><a href="mailto:jzettel@uoguelph.ca">jzettel@uoguelph.ca</a></td>
</tr>
<tr>
<td>Telephone</td>
<td>+1-519-824-4120 x53638</td>
</tr>
<tr>
<td>Office</td>
<td>ANNU 330A</td>
</tr>
<tr>
<td>Office Hours</td>
<td>Office hours by appointment (please email or see instructor after class)</td>
</tr>
</tbody>
</table>

2.2 Teaching Assistants
To arrange an appointment with your TA, please email or speak with him/her in laboratory

Physiology:

TBD

Biomechanics:
Lab Technician: Christopher Norman, cnorm@uoguelph.ca

3 Learning Resources

3.1 Recommended Resources

Exercise Physiology: Theory and application to fitness and performance (Textbook)

Neuromechanics of Human Movement (Textbook)

CoursePack (Other)

3.2 Reference Texts - Physiology


3.2 Reference Texts - Biomechanics

3.2 Campus Resources

If you are concerned about any aspect of your academic program: make an appointment with a Program Counsellor in your degree program.

If you are struggling to succeed academically: 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.

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. Student Health Services is located on campus and is available to provide medical attention. 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.

If you have a documented disability or think you may have a disability: Student Accessibility Services (SAS) formerly Centre for Students with Disabilities can provide services and support for students with a documented learning or physical disability. They can also provide information about how to be tested for a learning disability.

4 Learning Outcomes

Course Learning Objectives

1. Develop your understanding and working knowledge of key techniques used in human physiology and biomechanics testing and evaluation
2. Develop and enhance your ability to work effectively as part of a group
3. Enhance learning and problem solving through group work and group discussion of course material
4. Be able to integrate lecture and lab material within lab reports and exams
5. Learn how to analyze data sets and to critically evaluate lab-generated data
6. Develop scientific writing skills
7. This course will prepare you for the following courses: HK* 4600 [0.75] Applied Human Kinetics II; HK*4070 [0.50] Clinical Biomechanics; HK*4240 [0.75] Occupational Biomechanics and Ergonomics; HK*4460 [0.50] Regulation of Human Metabolism; HK*4550 [0.75] Human Cardio-respiratory Physiology; HK*4610 [0.50] Health and Injury Biomechanics.
# 5 Teaching and Learning Activities

## 5.1 Lecture

Fri, Sep 11 - Fri, Oct 23  
**Topics:** Lecture and Lab Schedule 1st HALF including DUE DATES

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Lecture Topic</th>
<th>Chapters</th>
<th>Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 0</td>
<td>10-Sep</td>
<td>Introduction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 1</td>
<td>13-Sep</td>
<td>Into to exercise physiology and energy metabolism</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>15-Sep</td>
<td>— producing energy to move and stay alive</td>
<td>1, 12, 24</td>
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<tr>
<td></td>
<td>17-Sep</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 2</td>
<td>20-Sep</td>
<td>Respiratory and cardiovascular responses to exercise</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>22-Sep</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>24-Sep</td>
<td></td>
<td>9, 10</td>
<td></td>
</tr>
<tr>
<td>Week 3</td>
<td>27-Sep</td>
<td>Measuring oxygen uptake (VO2) and energy expenditure in human kinetics</td>
<td>1, 4, 15</td>
<td></td>
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<tr>
<td></td>
<td>29-Sep</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>1-Oct</td>
<td></td>
<td>1, 4, 15</td>
<td></td>
</tr>
<tr>
<td>Week 4</td>
<td>4-Oct</td>
<td>Oxygen uptake continued and maximal aerobic exercise</td>
<td>13, 20</td>
<td></td>
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<td></td>
<td>6-Oct</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>8-Oct</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 5</td>
<td>11-Oct</td>
<td>No Class</td>
<td></td>
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<tr>
<td></td>
<td>13-Oct</td>
<td>Oxygen uptake continued and maximal aerobic exercise cont’d</td>
<td>13, 20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>15-Oct</td>
<td>Importance of anaerobic energy contribution during varying forms of exercise</td>
<td>11, 19</td>
<td></td>
</tr>
<tr>
<td>Week 6</td>
<td>18-Oct</td>
<td>varying forms of exercise</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>20-Oct</td>
<td>Finish material/return lab 4</td>
<td>25</td>
<td></td>
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<tr>
<td></td>
<td>22-Oct</td>
<td>Midterm Exam</td>
<td></td>
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</tr>
</tbody>
</table>

**Mon, Oct 26 - Mon, Nov 30**  
**Topics:** Lecture and Lab Schedule 2nd HALF including DUE DATES

<table>
<thead>
<tr>
<th>Week 7</th>
<th>Date</th>
<th>Lecture Topic</th>
<th>Chapters</th>
<th>Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>25-Oct</td>
<td></td>
<td>Introduction to electromyography (EMG). Learn how to measure muscle activity and understand EMG-force and fatigue relationship</td>
<td>5, 6</td>
<td></td>
</tr>
<tr>
<td>27-Oct</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>29-Oct</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 8</td>
<td>1-Nov</td>
<td>The nervous system. What is the H-reflex? Learn how the H-reflex can help us understand the spinal</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>3-Nov</td>
<td></td>
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</tr>
</tbody>
</table>

**Lab 1 - introduction to physiological measures in human kinetics**

**Lab 2 - Respiratory and cardiovascular responses to exercise **LAB REPORT**

**Lab 3 - Measurement of Submaximal VO2 **LAB REPORT DUE**

**Lab 4 - Maximal Oxygen Uptake Testing **LAB REPORT**

**Lab 5 - Estimation of anaerobic energy contribution, power and capacity during exercise **LAB 4 REPORT DUE**

**Lab 6 - EMG lab **LAB REPORT**
5-Nov movement?

Week 9 8-Nov Kinetics, What is force? Learn force measurement, force plate techniques
10-Nov 12-Nov

Week Kinematics – understanding 2D data collection, velocity and acceleration calculations
10 15-Nov 17-Nov 19-Nov

Week Human movement & balance
11 22-Nov 24-Nov 26-Nov

Week Review of class material – clarification of concepts
12 29-Nov 1-Dec 3-Dec

5.2 Physiology Labs - explanation for lab splitting

LAB # 3 - EACH LAB GROUP IS SPLIT INTO 2 TIME SLOTS FOR ATTENDANCE

Note: it is likely that lab splitting and groupings may be different if online labs must be employed for COVID

This will be addressed by the professor

Tuesday 10:00 AM – Lab groups 1-4: 11:30 AM – Lab groups 5-8

Tuesday 2:30 PM - Lab groups 1-4: 4:00 PM - Lab groups 5-8

Wednesday 2:30 PM - Lab groups 1-4: 4:00 PM - Lab groups 5-8

Thursday 10:00 AM – Lab groups 1-4: 11:30 AM – Lab groups 5-8
Thursday 2:30 PM - Lab groups 1-4: 4:00 PM - Lab groups 5-8

There will be 3 stations (A, B & C) in Room 208 A where oxygen uptake (VO2) will be measured.

There will be ~12-16 students in each of the above groups and you will be further divided into 3 sub-groups; A, B, and C. We will need a volunteer who is willing to do exercise at each of the stations – so we need 3 subjects in total at each of the 10 time slots.

LAB # 4 - EACH LAB GROUP IS SPLIT INTO 2 TIME SLOTS FOR ATTENDANCE

Tuesday 10:00 AM – Lab groups 5-8: 11:30 AM – Lab groups 1-4

Tuesday 2:30 PM - Lab groups 5-8: 4:00 PM - Lab groups 1-4

Wednesday 2:30 PM - Lab groups 5-8: 4:00 PM - Lab groups 1-4

Thursday 10:00 AM – Lab groups 5-8: 11:30 AM – Lab groups 1-4

Thursday 2:30 PM - Lab groups 5-8: 4:00 PM - Lab groups 1-4

There will be 3 stations (A, B & C) in Room 208A where oxygen uptake and body composition will be measured.

There will be ~12-16 students in each of the above groups and you will work in the same 3 sub-groups (A, B, and C) as in lab # 3. We will need a volunteer who is willing to do exercise all the way up to VO2max and voluntary exhaustion at each of the stations – the subject will also
have their body composition measured – so we need 3 subjects in total at each of the 10 time slots.

LAB # 5 EACH LAB GROUP SPLIT INTO 2 TIME SLOTS FOR ATTENDANCE

Tuesday 10:00 AM – Lab groups 1-4: 11:30 AM – Lab groups 5-8

Tuesday 2:30 PM - Lab groups 1-4: 4:00 PM - Lab groups 5-8

Wednesday 2:30 PM - Lab groups 1-4: 4:00 PM - Lab groups 5-8

Thursday 10:00 AM – Lab groups 1-4: 11:30 AM – Lab groups 5-8

Thursday 2:30 PM - Lab groups 1-4: 4:00 PM - Lab groups 5-8

There will be 3 stations (A, B & C) in Room 208A where oxygen uptake will be measured. There will be one station (Wingate) where the sprint tests are done for all three groups.

There will be ~12-16 students in each of the above groups and you will work in the same 3 sub-groups (A, B, and C) as in labs 3 & 4. We will need a volunteer who is willing to do the two sub-maximal exercise rides and one additional volunteer to do the all-out sprint or Wingate test. So we need 2 volunteers in each of lab group A, B & C in each of the 10 time slots.

5.3 Biomechanics Labs - explanation for lab splitting

LAB # 6 (OCT 28 - Nov 1) EMG

Tuesday 10:00 AM -1:00 All Lab groups

Tuesday 2:30 PM -5:30 All Lab groups

Wednesday 2:30 PM -5:30 All Lab groups
Thursday 10:00 AM – 1:00 All Lab groups
Thursday 2:30 PM – 5:30 All Lab groups

LAB # 7 (Nov 4 - Nov 8) - H REFLEX
Tuesday 10:00 AM -1:00 All Lab groups
Tuesday 2:30 PM -5:30 All Lab groups
Wednesday 2:30 PM -5:30 All Lab groups
Thursday 10:00 AM – 1:00 All Lab groups
Thursday 2:30 PM – 5:30 All Lab groups

LAB # 8 (Nov 11 - Nov 15) - KINETICS
EACH LAB GROUP IS SPLIT INTO 2 TIME SLOTS FOR ATTENDANCE.
Tuesday 10:00 AM – Lab groups 1-4: 11:30 AM – Lab groups 5-8
Tuesday 2:30 PM – Lab groups 1-4: 4:00 PM – Lab groups 5-8
Wednesday 2:30 PM - Lab groups 1-4: 4:00 PM - Lab groups 5-8
Thursday 10:00 AM – Lab groups 1-4: 11:30 AM – Lab groups 5-8
Thursday 2:30 PM – Lab groups 1-4: 4:00 PM – Lab groups 5-8

There will be 2 stations in room 208B set up for force plate measurements (Kinetics lab). The group will split in half and work at one of the two stations.

We will need one or two volunteers for the Galvanic Vestibular Stimulation (GVS) demo in class during week 11.

LAB # 9 (NOV 18 - NOV 22) KINEMATICS
Tuesday 10:00 AM -1:00 All Lab groups
Tuesday 2:30 PM - 5:30 All Lab groups
Wednesday 2:30 PM - 5:30 All Lab groups
Thursday 10:00 AM – 1:00 All Lab groups
Thursday 2:30 PM – 5:30 All Lab groups

6 Assessments

6.1 Marking Schemes & Distributions

Lab reports - Learning outcomes 1-6
Exams - Learning outcomes 1, 4, 5,

<table>
<thead>
<tr>
<th>Name</th>
<th>Scheme A (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Reports</td>
<td>60</td>
</tr>
<tr>
<td>Midterm #1</td>
<td>20</td>
</tr>
<tr>
<td>Midterm #2</td>
<td>20</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
</tr>
</tbody>
</table>

6.2 Assessment Details

Lab Reports (60%)
4 lab reports X 15% - Lab reports are due the following week at the beginning of your lab section. Late lab reports without a valid documented reason are penalized 10% per day up to 5 days, after which the lab is marked as zero.

**LABs #2, #4, #6 an #8 are mandatory to hand in. These are handed in at the beginning of lab time, ONE WEEK following the lab.**

Midterm #1 (20%)
50 Minutes

Midterm #2 (20%)
1.5 Hours
7 Course Statements

7.1 Human Ethics

Ethical approval has been obtained from the Research Ethics Board at the University of Guelph for subject participation in the course laboratories. Please refer to the University of Guelph ethics website for further information: http://www.uoguelph.ca/research/humanParticipants/PDF/policies/1%20Review%20Policies/1-G-008.pdf

If you have any concerns about the ethics of this course program, please contact the University of Guelph ethics officer, Telephone: (519) 824-4120, ext. 56606, E-mail: reb@uoguelph.ca, Fax: (519) 821-5236.

7.2 Course Teaching/Learning Approach

The course comprises a combination of lectures, applied labs and tutorials. You will perform a series of 10 labs. The emphasis of the course is on applied techniques that are relevant to those of you considering applied or research careers in human biomechanics, performance and clinical exercise testing, ergonomics, occupational therapy, exercise physiology, physiotherapy, kinesiologists, sports injury rehabilitation, paramedics, medicine, chiropractics, etc. The general skills you obtain will also provide you with the ability to work in groups and successfully troubleshoot challenges in other work environments.

The key concepts and theory underlying each lab will be presented in a series of lectures, such that this material is presented to you in the week preceding the lab. The lecture and lab material will be posted on D2L.

The lectures start on Friday, Sept 6th, 2016.

The labs begin during the week of Sept 9-13th, 2016 (Tuesday - Thursday Sept. 9-13th)

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/](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](http://www.lib.uoguelph.ca/get-assistance/studying/chemistry-physics-help) and [http://www.lib.uoguelph.ca/get-assistance/studying/math-stats-help](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/](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](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/](http://www.selfregulationskills.ca/)

8.4 Personal information
Personal information is collected under the authority of the University of Guelph Act (1964), and in accordance with Ontario's Freedom of Information and Protection of Privacy Act (FIPPA) [http://www.e-laws.gov.on.ca/index.html](http://www.e-laws.gov.on.ca/index.html). This information is used by University officials in order to carry out their authorized academic and administrative responsibilities and also to establish a relationship for alumni and development purposes.

For more information regarding the Collection, Use and Disclosure of Personal Information policies please see the Undergraduate Calendar. ([https://www.uoguelph.ca/registrar/calendars/undergraduate/current/intro/index.shtml](https://www.uoguelph.ca/registrar/calendars/undergraduate/current/intro/index.shtml))

8.5 Course Offering Information Disclaimer
Please note that course delivery format (face-to-face vs online) is subject to change up to the first-class day depending on requirements placed on the University and its employees by public health bodies, and local, provincial and federal governments. Any changes to course format prior to the first class will be posted on WebAdvisor/Student Planning as they become available.

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

Associate Diploma Calendar - Academic Consideration, Appeals and Petitions
https://www.uoguelph.ca/registrar/calendars/diploma/current/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-regregchg.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.

For Guelph students, information can be found on the SAS website https://www.uoguelph.ca/sas

For Ridgetown students, information can be found on the Ridgetown SAS website https://www.ridgetownc.com/services/accessibilityservices.cfm

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
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

9.9 Disclaimer

Please note that the ongoing COVID-19 pandemic may necessitate a revision of the format of course offerings and academic schedules. Any such changes will be announced via CourseLink and/or class email. All University-wide decisions will be posted on the COVID-19 website (https://news.uoguelph.ca/2019-novel-coronavirus-information/) and circulated by email.

9.10 Illness

The University will not normally require verification of illness (doctor’s notes) for fall 2020 or winter 2021 semester courses. However, requests for Academic Consideration may still require medical documentation as appropriate.