



ENGG*2230 Fluid Mechanics

01

Fall 2021

Section(s): C01

School of Engineering

Credit Weight: 0.50

Version 1.00 - September 08, 2021

1 Course Details

1.1 Calendar Description

Analysis of steady ideal and viscous fluid flow systems using the Continuity, Bernoulli and Momentum equations. Boundary layer theory is treated in terms of viscous and pressure drag, lift and its importance in heat and mass transfer. Dimensional analysis and dynamic similitude are studied to provide an understanding of flow systems analysis and modeling. Introduction to pipe flow and open channel flow.

Pre-Requisites: ENGG*1210, MATH*1210

1.2 Timetable

Lectures:

Weekly

Asynchronous

Online (Microsoft Stream)

Tutorials (weekly):

Sections

Mondays

0301/0302/0303: 2:30PM – 4:20PM ROZH 102

Fridays

0201/0202/0203: 2:30PM – 4:20PM RICH 2529

Laboratory (select weeks):

Sections

Tuesdays	0203/0303:	8:30AM – 10:20AM	THRN 1125
Thursdays	0201/0301:	8:30AM – 10:20AM	THRN 1125
Fridays	0202/0302:	12:30PM – 2:20PM	THRN 1125

1.3 Final Exam

Friday December 17th, 8:30AM to 10:30AM, room TBA.

2 Instructional Support

2.1 Instructional Support Team

Instructor:	Rafael Santos
Email:	santosr@uoguelph.ca
Telephone:	+1-519-824-4120 x52902
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Office Hours:	By appointment (virtual).
Lab Technician:	Ryan Smith
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Office:	THRN 1114

2.2 Teaching Assistants

Teaching Assistant (GTA):	Anthony Heebner
Email:	aheebner@uoguelph.ca
Office Hours:	TBA on CourseLink or by appointment.
Teaching Assistant (GTA):	Hiral Jariwala
Email:	hjariwal@uoguelph.ca
Office Hours:	TBA on CourseLink or by appointment.
Teaching Assistant (GTA):	Manpreet Kaur
Email:	mkaur16@uoguelph.ca
Office Hours:	TBA on CourseLink or by appointment.

3 Learning Resources

3.1 Required Resources

Course Website (Website)

<https://courselink.uoguelph.ca/>

Course material, news, announcements, and grades will be regularly posted to the ENGG*2230 CourseLink site. You are responsible for checking the site regularly. **As per University regulations, all students are required to check their <mail.uoguelph.ca> e-mail account regularly;** e-mail is the official route of communication between the University and students.

3.2 Recommended Resources

Recommended readings (Textbook)

1) These are the two primary recommended (i.e., not required) textbooks:

"Fluid Mechanics", by Frank M. White , 9th Edition, McGraw-Hill, 2021, ISBN 9781260575545. <https://www.mheducation.com/highered/product/fluid-mechanics-white/M9780073398273.html>

"Mechanics of Fluids, SI Edition", by M.C. Potter, D.C. Wiggert, B.H. Ramadan. 5th Edition., Cengage, 2017, ISBN 9781305637610. <https://www.cengage.ca/c/isbn/9781305637610/>

Both textbooks are available from the publisher and the Bookstore, as hardcopy or as eBook. A hardcopy of the 8th Edition of F.M. White's Fluid Mechanics has been placed on reserve at the McLaughlin Library.

2) These are other textbooks that students may find helpful when in need of additional readings and practice problems (note: Schaum's is on reserve in the McLaughlin Library):

"Schaum's Outline of Fluid Mechanics and Hydraulics", by R.V. Giles, J.B. Evett, C. Liu. 4th Edition.

"Marks' Standard Handbook for Mechanical Engineers", by E.A. Avallone, T. Baumeister III, A. Sadegh. 11th Edition.

"Perry's Chemical Engineers' Handbook", by D.W. Green, R.H. Perry. 8th Edition.

Open Educational Resources (Textbook)

These are Open Educational Resources, which are free to access, and that you can use in addition to, or in place of, commercial textbooks (with some limitations):

"Introduction to Fluid Mechanics: Fundamentals and Applications", by Herbert Oertel, available online: <http://dx.doi.org/10.5445/KSP/1000003548>

Engineering Peer Helpers (Voluntary) (Other)

The peer helper program, staffed by upper year engineering students, offers regular workshops aimed at developing problem solving skills and new learning tools specific to core engineering courses such as Fluid Mechanics. For more information on the Peer Helper program, visit:

<https://www.uoguelph.ca/engineering/content/current/peer-helper>

3.3 Additional Resources

Lecture Information (Notes)

Lectures will be presented through a combination of PowerPoint slides, Handwritten notes, and Document Camera notes. The slides for the lectures will be posted on the course website (CourseLink). These slides are augmented with in-lecture notes, discussions, and detailed example solutions. You are thus expected to **take notes** during lectures, which includes the conceptual theory discussed, the example solutions, and supplementary information the instructor provides while lecturing.

Lab Manual (Lab Manual)

The lab manual is available on CourseLink. You are responsible for reviewing this on your own time in preparation for each experiment **prior** to your scheduled laboratory, and having an electronic or hard copy with you during your laboratory sessions. The lab manual also contains instructions and questions to be addressed in the lab reports to be completed.

Problem Sets (Other)

There will be **unmarked** problem sets (one per lecture module) posted on CourseLink during the term. You are expected to complete each problem set on a timely basis. Most students find that practice problems are the best way to stay engaged in the course. Solutions will be posted on CourseLink before the next unmarked problem set is posted.

Miscellaneous Information (Other)

Supporting information will also be occasionally posted on the CourseLink site.

4 Learning Outcomes

4.1 Course Learning Outcomes

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

1. Describe the physical and flow properties of fluids, and their impact on engineered systems and structures.
2. Characterize and analyze fluid mechanics problems through the use of the appropriate tools, including conservation of mass, conservation of momentum, and the conservation

- of energy, and using the appropriate approaches, including integral (control volume), differential, or dimensional approaches.
3. Estimate head loss, required power, conduit sizing, and flow rates in internal and open flow systems, and lift and drag forces on submerged bodies.
 4. Model fluid engineering systems, with stated assumptions, systematically solved and clearly communicated, including the use of correct accuracy, precision, significant digits, and dimensional homogeneity.
 5. Use appropriate apparatus, sensors and instruments to analyze fluid flow, test fluid flow hypotheses, and collect data, by conducting laboratory experiments.
 6. Write clear, concise and professional laboratory reports for the biweekly fluid mechanics laboratories.
 7. Demonstrate effective skills in teamwork during group activities (biweekly laboratories), and respectful interactions with peers, lab technicians, graduate teaching assistants, and instructor during lectures, tutorials and laboratories.

4.2 Engineers Canada - Graduate Attributes (2018)

Successfully completing this course will contribute to the following:

#	Outcome	Learning Outcome
1	Knowledge Base	1, 2, 3
1.1	Recall, describe and apply fundamental mathematical principles and concepts	1, 2, 3
1.2	Recall, describe and apply fundamental principles and concepts in natural science	1, 2, 3
1.3	Recall, describe and apply fundamental engineering principles and concepts	1, 2, 3
2	Problem Analysis	2, 3, 4
2.2	Identify, organize and justify appropriate information, including assumptions	2, 3, 4
2.3	Construct a conceptual framework and select an appropriate solution approach	2, 3, 4
2.4	Execute an engineering solution	2
2.5	Critique and appraise solution approach and results	2, 3, 4
3	Investigation	5
3.3	Analyze and interpret experimental data	5

#	Outcome	Learning Outcome
3.4	Assess validity of conclusions within limitations of data and methodologies	5
5	Use of Engineering Tools	5
5.2	Demonstrate proficiency in the application of selected engineering tools	5
5.3	Recognize limitations of selected engineering tools	5
6	Individual & Teamwork	7
6.2	Understand all members' roles and responsibilities within a team	7
6.3	Execute and adapt individual role to promote team success through, for example, timeliness, respect, positive attitude	7
6.4	Apply strategies to mitigate and/or resolve conflicts	7
6.5	Demonstrate leadership through, for example, influencing team vision and process, promoting a positive team culture, and inspiring team members to excel	7
7	Communication Skills	6
7.1	Identify key message(s) and intended audience in verbal or written communication as both sender and receiver	6
7.2	Interpret technical documentation such as device specification sheets, drawings, diagrams, flowcharts, and pseudocode	6
7.3	Construct the finished elements using accepted norms in English, graphical standards, and engineering conventions, as appropriate for the message and audience	6
7.4	Substantiate claims by building evidence-based arguments and integrating effective figures, tables, equations, and/or references	6
7.5	Demonstrate ability to process oral and written communication by following instructions, actively listening, incorporating feedback, and formulating meaningful questions	6
8	Professionalism	7
8.3	Demonstrate professional behaviour	7

5 Teaching and Learning Activities

Students are responsible for all information presented in the lectures, tutorials, and labs, and student participation is encouraged. The dynamics of each learning activity should be based on professionalism and mutual respect. Everyone in the classroom has the right to participate and contribute.

Students will regularly receive instructions about the upcoming lecture/tutorial/lab format each week. The course lectures will be delivered online and will be pre-recorded (to be accessible on Microsoft Stream). Links to pre-recorded lectures will be posted on CourseLink, and students can watch them at any time. Live and in-person tutorial sessions will be held during the scheduled tutorial periods as specified in this course outline (note, on Web Advisor, these sessions are called "lectures", but they will in fact be used as tutorials). Tutorial sessions will be used to cover additional problem solving examples, and for live Q&A with the instructor.

Outside of scheduled class times, students are expected to work on practice problem set questions, review lecture materials, and/or consult recommended textbooks, in preparation for the course examinations, and to work with their group members to complete the lab reports.

The lecture schedule below is given week-by-week in a tentative fashion. Some modules maybe be anticipated or delayed depending on the pace of lectures and the term tests schedule.

5.1 Lecture

Weeks 1-2

Topics: Fluids and fluid properties

References: Chapter 1 of White (8th ed.); Chapter 1 of Potter et al. (5th ed.)

Learning Outcome: 1, 4

Weeks 2-4

Topics: Fluid statics and pressure distribution

References: Chapter 2 of White (8th ed.); Chapter 2 of Potter et al. (5th ed.)

Learning Outcome: 1, 4

Week 5

Topics: Fluid flow concepts (part 1): Fluid flow phenomena

References: Chapter 3 of White (8th ed.); Chapter 3 of Potter et al. (5th ed.)

Learning Outcome:	1, 2
Week 6	
Topics:	Fluid flow concepts (part 2): Equations of fluid motion
References:	Chapters 3 and 4 of White (8th ed.); Chapters 4 and 5 of Potter et al. (5th ed.)
Learning Outcome:	1, 2
Week 7	
Topics:	Fluid flow concepts (part 3): Energy balance
References:	Chapters 3 and 4 of White (8th ed.); Chapters 3 and 5 of Potter et al. (5th ed.)
Learning Outcome:	1, 2
Weeks 8-9	
Topics:	Internal viscous flow (pipe flow)
References:	Chapter 6 of White (8th ed.); Chapters 7 and 11 of Potter et al. (5th ed.)
Learning Outcome:	1, 2, 3, 4
Weeks 10-11	
Topics:	Pumps and turbomachinery
References:	Chapter 11 of White (8th ed.); Chapter 12 of Potter et al. (5th ed.)
Learning Outcome:	1, 3
Week 12	
Topics:	External flow and boundary layer theory
References:	Chapter 7 of White (8th ed.); Chapter 8 of Potter et al. (5th ed.)
Learning Outcome:	1, 2, 3, 4, 4
Week 12	
Topics:	Open channel flow

References: Chapter 10 of White (8th ed.); Chapter 10 of Potter et al. (5th ed.)

Learning Outcome: 1, 2, 3

5.2 Labs

The laboratory is a vital part of the course – material introduced in the lab may be a part of any exam. Labs will be done in groups of up to 3 students during your scheduled lab time. Lab groups must be formed with students in the same section (0201/0202/0203/0301/0302/0303), unless otherwise needed to balance numbers. In addition, the sections will be divided into two groups of students of approximately equal size (designated as “A” and “B” groups). This A and B group designation will indicate in which weeks you have a lab and in which weeks you have a tutorial, as per the schedule included in the course outline. Lab groups will be formed during the tutorials before the first scheduled lab. Your lab safety orientation will be done at the beginning of your first lab.

Before arriving to the laboratory to perform an experiment, **each person must have read and understood the corresponding information in the lab manual** (available on CourseLink) and **must have watched the corresponding video** (also available on CourseLink). You are expected to do the intermediate calculations (and in some cases all of the calculations) before leaving the lab.

5.3 Lab Activities

Lab Activity	Topic
#0	Intro to the fluids lab and lab safety
#1	Discharge over weirs (lab experiment)
#2	Flow measurement (lab experiment)
#3	Pipe friction (lab experiment)
#4	Minor losses (model simulation)

5.4 Due Dates

The lab reports are to be submitted electronically in dropboxes in CourseLink that will be created based on your lab teams. The due date will be one week after each scheduled "lab day", at 11:59PM. Due dates for each lab group will be posted on Courselink.

Each lab report is to include a raw data sheet, containing the data that was assigned to your

group, or the data that you collected from your model. As such, each group will have a unique set of data to write the report on.

Each team must submit a single electronic report for each experiment. The report is to be no longer than 10 pages, which includes the title page and data sheet; that is: one page for the title page, one page for the data sheet, and up to 8 pages for the rest of the work. Additional report information is in the laboratory manual.

If you miss a laboratory **due to grounds for granting academic consideration or religious accommodation**, arrangements must be made with the teaching assistant to complete a makeup lab during open lab days (last week of classes).

5.5 Tutorials

The "tutorial" will be held in-person every week as scheduled. During tutorials, the lecture instructor will be available for live Q&A about lecture materials (notes, recordings, example solutions). Also during tutorials, TA's will run a set of calculation problems ("tutorial day problems"), and hold Q&A's about practice problem sets. Tutorial periods will also be used for the scheduled term tests.

5.6 Lab Schedule

	Thursdays (Sections **01)	Fridays (Sections **02)	Tuesdays (Sections **03)
Sept. 28 th -Oct. 1 st	Lab Day 1A	Lab Day 1A	Lab Day 1A
Oct. 5 th -8 th	Lab Day 1B	Lab Day 1B	Lab Day 1B
Oct. 14 th -Oct. 19 th	Lab Day 2A	Lab Day 2A	Lab Day 2A
Oct. 26 th -Oct. 29 th	Lab Day 2B	Lab Day 2B	Lab Day 2B
Nov. 2 nd -5 th	Lab Day 3A	Lab Day 3A	Lab Day 3A

Nov. 9 th -12 th	Lab Day 3B	Lab Day 3B	Lab Day 3B
Nov. 23 rd -26 th	Lab Day 4 (A&B)	Lab Day 4 (A&B)	Lab Day 4 (A&B)
Nov. 30 th	Open lab day for makeup labs (all sections)	Open lab day for makeup labs (all sections)	Open lab day for makeup labs (all sections)

Notes: It is critical that you form lab groups with students in your lab Section (last two digits).

Pick your lab group wisely as you will work with the same lab group during the entire semester.

5.7 Other Important Dates

Friday, September 10th, 2021: First day of class (tutorial to be used as an intro lecture).

Monday, October 11th, 2021: Holiday - No classes scheduled.

Tuesday, October 12th, 2021: Fall Study Break Day - No classes scheduled.

Thursday, December 2nd, 2021: Tuesday schedule in effect.

Friday, December 3rd, 2020: Last day of class; Monday schedule in effect.

Friday, December 3rd, 2021: Last day to drop F21 one semester courses.

6 Assessments

6.1 Marking Schemes & Distributions

Assessment of your final grade will be evaluated against four different assessment schemes as described in the table below with your **final grade assigned being the maximum calculated by the four schemes**. Scheme A uses the assessment weights aforementioned in the Assessments section of this outline. Schemes B, C and D allows students who performed

poorly on one or both of the term tests to diminish the weight of the term tests by putting more weight on the final exam.

If you fail (< 50%) the combination of the two term tests AND the final exam, you will receive a failing grade in the course. This failing grade will be equal to the lower value of either: (i) the weighted average (based on Scheme A) of your individual assessments (two terms tests and final exam), or (ii) the weighted average (based on Scheme A) of all assessments.

Missed Assessments: If you are unable to meet an in-course requirement due to medical, psychological, or compassionate reasons, please email the course instructor. See the undergraduate calendar for information on regulations and procedures for Academic Consideration: <https://calendar.uoguelph.ca/undergraduate-calendar/undergraduate-degree-regulations-procedures/academic-consideration-appeals-petitions/>

Accommodation of Religious Obligations: If you are unable to meet an in-course requirement due to religious obligations, please email the course instructor within two weeks of the start of the semester to make alternate arrangements. See the undergraduate calendar for information on regulations and procedures for Academic Accommodation of Religious Obligations: <https://calendar.uoguelph.ca/undergraduate-calendar/undergraduate-degree-regulations-procedures/academic-accommodation-religious-obligations/>

Name	Scheme A (%)	Scheme B (%)	Scheme C (%)	Scheme D (%)
Unmarked Assignments	0	0	0	0
Labs	20	20	20	20
Term Test 1	25	15	25	15
Term Test 2	25	25	15	15
Final Exam	30	40	40	50
Total	100	100	100	100

6.2 Assessment Details

Unmarked Problem Sets (0%)

Date: Thu, Sep 9 - Fri, Dec 3, 7 problem sets posted along with corresponding lecture modules on Courselink

Learning Outcome: 1, 2, 3, 4, 4

Labs (20%)**Date:** Tue, Sep 28 - Fri, Nov 19**Learning Outcome:** 5, 6, 7

Four lab reports submitted by each group. Due dates will be one week after the day the scheduled lab day. A grade of zero will be issued to any team member who does not contribute to completing the lab report.

You must attend and complete all laboratories. If you miss a laboratory due to grounds for granting academic consideration or religious accommodation, arrangements must be made with the teaching assistant to complete a makeup lab (i.e. during open lab days).

Term Test 1 (25%)**Date:** October 18th (0301/0302/0303) or October 22nd (0201/0202/0203), In class**Learning Outcome:** 1, 1, 2, 2, 4, 4

Closed book; aid sheet provided; covers material up to last lecture prior to exam.

Missed Term Test: If you miss one term test due to grounds for granting academic consideration or religious accommodation, the weight of the missed assessment will be added to the final exam. If you miss both term tests due to grounds for granting academic consideration or religious accommodation, you will receive a grade of incomplete for the course, and will be required to write a deferred exam after the end of the semester. There will be no makeup term test.

Term Test 2 (25%)**Date:** November 19th (0201/0202/0203) or November 22nd (0301/0302/0303), In class**Learning Outcome:** 1, 1, 2, 2, 4, 4

Closed book; aid sheet provided; covers material up to last lecture prior to exam.

Missed Term Test: If you miss one term test due to grounds for granting academic consideration or religious accommodation, the weight of the missed assessment will be added to the final exam. If you miss both term tests due to grounds for granting academic consideration or religious accommodation, you will receive a grade of incomplete for the course, and will be required to write a deferred exam after the end of the semester. There will be no makeup term test.

Final Exam (30%)**Date:** Fri, Dec 17, 8:30 AM - 10:30 AM, TBA**Learning Outcome:** 1, 2, 3, 4, 4

Closed book; aid sheet provided; covers entire course.

6.3 Tests and Final Exam: Note

The term tests and final exam will be closed book assessments and held in-person in

scheduled classrooms. Necessary equations and information (e.g. graphs, tables, unit conversions) will be provided or announced prior to each exam (i.e., an "aid sheet"). Calculators are permitted, but they must be non-communicating devices.

7 Course Statements

7.1 Fluid Mechanics Lab

You must familiarize yourself with the lab equipment by reading the manual and watching the accompanying video prior to your lab, in addition to attending the safety orientation during your first scheduled lab session (see lab schedule in this outline). There is to be no food or drinks in the Fluids Lab. Pay especial attention to the lab's rules for appropriate attire as **no open toed shoes (e.g. sandals) are allowed.**

7.2 Hybrid Teaching

This course will be delivered in a hybrid in-person/online format.

Under normal circumstances, the lecture component of this course is equivalent to 160 minutes per week (i.e., two 80-minute lectures). This semester, lecture materials will be delivered online and asynchronously, and it is expected that students spend approximately 160 minutes each week viewing lecture videos and reviewing posted lecture example solutions.

To clarify the in-class workload this semester, the following is a break-down of all class activities:

- Lectures (asynchronous): on average and approximately (at student's own pace) 160 minutes (2h:40min) per week.
- Tutorials (in-person): 110 minutes (1h:50min) per week.
- Labs (three in-person and one online): 110 minutes (1h:50min) each lab.

To clarify the nomenclature on Web Advisor:

- The asynchronous lectures are not listed in Web Advisor.
- The "lectures" listed in Web Advisor are in fact the tutorial periods.
- The "labs" listed in Web Advisor are the lab periods, but students only attend four lab periods in total during the semester.
- The "tutorials" listed in Web Advisor will not be used for formal class activities. These scheduled periods can be used by students to watch pre-recorded lectures, to work on lab reports, or to attend office hours of TA's in preparation for tests/exam.

8 School of Engineering Statements

8.1 Instructor's Role and Responsibility to Students

The instructor's role is to develop and deliver course material in ways that facilitate learning for a variety of students. Selected lecture notes will be made available to students on Courselink but these are not intended to be stand-alone course notes. Some written lecture notes will be presented only in class. During lectures, the instructor will expand and explain the content of notes and provide example problems that supplement posted notes. Scheduled classes will be the principal venue to provide information and feedback for tests and labs.

8.2 Students' Learning Responsibilities

Students are expected to take advantage of the learning opportunities provided during lectures and lab sessions. Students, especially those having difficulty with the course content, should also make use of other resources recommended by the instructor. Students who do (or may) fall behind due to illness, work, or extra-curricular activities are advised to keep the instructor informed. This will allow the instructor to recommend extra resources in a timely manner and/or provide consideration if appropriate.

8.3 Lab Safety

Safety is critically important to the School and is the responsibility of all members of the School: faculty, staff and students. As a student in a lab course you are responsible for taking all reasonable safety precautions and following the lab safety rules specific to the lab you are working in. In addition, you are responsible for reporting all safety issues to the laboratory supervisor, GTA or faculty responsible.

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-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.

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

<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>

9.9 Disclaimer

Please note that the ongoing COVID-19 pandemic may necessitate a revision of the format of course offerings, changes in classroom protocols, and academic schedules. Any such changes will be announced via CourseLink and/or class email.

This includes on-campus scheduling during the semester, mid-terms and final examination schedules. 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

Medical notes will not normally be required for singular instances of academic consideration, although students may be required to provide supporting documentation for multiple missed assessments or when involving a large part of a course (e.g.. final exam or major assignment).

9.11 Covid-19 Safety Protocols

For information on current safety protocols, follow these links:

- <https://news.uoguelph.ca/return-to-campuses/how-u-of-g-is-preparing-for-your-safe-return/>
- <https://news.uoguelph.ca/return-to-campuses/spaces/#ClassroomSpaces>

Please note, these guidelines may be updated as required in response to evolving University, Public Health or government directives.
