



## HHNS\*6930 Research Project

Summer 2021

Section(s): C01

Department of Human Health and Nutritional Sciences

Credit Weight: 0.50

Version 1.00 - April 13, 2021

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### 1 Course Details

#### 1.1 Calendar Description

Under the supervision of a faculty advisor and building on knowledge gained from Basic or Applied Research Techniques and Processes, students will carry out a specific research project to its completion. Results will be documented in a written report and communicated through a scientific poster.

**Pre-Requisites:**

HHNS\*6910 or HHNS\*6920

**Restrictions:**

Restricted to HHNS MSc. course work and project students.

#### 1.2 Course Description

This course will involve participation in active research under the guidance of a faculty advisor. Under the supervision of a faculty advisor and building on knowledge gained from either Basic or Applied Research Techniques and Processes (HHNS\*6910 or HHNS\*6920), students will carry out a specific research project to its completion. By doing so, this course will expose the student to the entire scientific process.

Upon completion of this course, students should:

1. Have a detailed understanding of the complete scientific process.
2. Have improved scientific writing skills.
3. Have improved oral communication skills.

#### 1.3 Timetable

This class does not formally meet.

Timetable is subject to change. Please see WebAdvisor for the latest information.

## 1.4 Final Exam

There is no final written exam.

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

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## 2 Instructional Support

### 2.1 Instructional Support Team

**Course Co-ordinator:** Amanda Wright PhD  
**Email:** ajwright@uoguelph.ca  
**Telephone:** +1-519-824-4120 x54697  
**Office:** HHNS Annex 283

**Office Hours:** Appointments can be scheduled as necessary through email.

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## 3 Learning Resources

There are no formal learning resources.

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## 4 Learning Outcomes

### 4.1 Course Learning Outcomes

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

1. Have a detailed understanding of the complete scientific process.
  2. Have improved scientific writing skills.
  3. Have improved oral communication skills
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## 5 Teaching and Learning Activities

This course is completed by independent study under the advisement of a faculty advisor.

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## 6 Assessments

### 6.1 Assessment Details

#### Early Progress Report (20%)

**Due:** Fri, Jun 11, 11:59 PM, Arranged directly with your advisor

**Learning Outcome:** 1

The Early Progress Report is intended as a touch-point to ensure students are advancing as expected in terms of their level of motivation, independence, and research progress, and that they are on track to achieve the overall learning outcomes. Students and advisors, together, should consider the format that works best for this assessment, given the field of study. For example, while the Early Progress Report may take the format of a brief written report/summary, it may alternatively be based on an oral discussion with the advisor or draw on a combination of written and oral reporting. So long as the expectation is clear to students by May 28th, diversity and flexibility in the assessment format for the Early Progress Report is welcome, e.g. written progress report, oral progress update, student performance running a lab meeting, written research plan for the semester, draft/outline of the final research paper. Students will receive a grade and meaningful feedback on their progress directly from their faculty advisor no later than July 9th, 2021 (i.e. the 40th class day).

#### Final Paper (30%)

**Due:** Fri, Aug 13, 11:59 PM, By email directly to your advisor

**Learning Outcome:** 1, 2

The purpose of the final paper is to communicate your research project. The paper should be written as a scientific manuscript and include: title page, abstract, introduction, methods, results discussion and references. References should be in a consistent style. The length should be discussed between the student and the faculty advisor.

#### Effort/Progress throughout the semester (20%)

**Learning Outcome:** 1

The criteria for evaluation of effort/progress throughout the semester may include but is not limited to activities such as independent thought, discipline, problem solving skills, organization, productivity, ability to plan, ethics and safety. Emphasis will be placed on whether students incorporate feedback received as part of the Progress Report assessment.

#### Oral Presentation (18%)

**Date:** Remotely - during the final exam period. Date to be confirmed.

**Learning Outcome:** 1

Presentations will be due on Friday August 13th and available for viewing the following week as part of the MSc Research Showcase. Students will be available asynchronously to

ask and answer questions during that time. The format will be a 12-13 minute presentation with video. Presentations will be graded by the course coordinator or designate.

### **Scientific Poster (10%)**

**Date:** Remotely - during the final exam period. Date to be confirmed.

**Learning Outcome:** 1, 2, 3

Presentations will be due on Friday August 13th and available for viewing the following week as part of the MSc Research Showcase. Students will be available asynchronously to ask and answer questions during that time. Poster presentations will be graded by the course coordinator or designate.

### **Participation in Research Showcase - Asking Questions (2%)**

**Date:** Remotely - during the final exam period. Date to be confirmed.

**Learning Outcome:** 1, 2

Asking good questions is a skill that takes practice. The purpose of sharing student HHNS6910/20/30 presentations each semester is partly to allow for this. Students are expected to view the presentations of their peers. However, to incentivize active engagement, 2% of the final grade will be awarded by the course coordinator or designate to students for asking at least 3 meaningful and relevant questions of other students in the program during the research showcase at the end of the semester.

## **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.selfregulationskills.ca/>

## 7.4 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>. 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>)

# 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>

Associate Diploma Calendar - Academic Consideration, Appeals and Petitions

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

### 8.3 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>

### 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.

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>

## 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>

## 8.9 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.

## **8.10 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.

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