

FOOD 4908
FOOD SCIENCE AND NUTRITION RESEARCH PROJECT

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SYNOPSIS

Students in Food Science and Nutrition carry out a research project under the direction of a faculty member or external researcher. A written report and an oral presentation of the work are required before a grade can be assigned. Laboratory and associated work equivalent to **at least eight hours per week** during the fall and winter terms is required. Prerequisite(s): fourth-year standing in the Food Science and Nutrition program and permission of the department.

LEARNING OUTCOME AND OBJECTIVES

This is a capstone course for the Food Science and Nutrition program. The learning outcome of this course is **to conduct independent research that extends current knowledge in food science and nutrition**. Through this course, students will:

- Carry out hypothesis-driven research
- Perform basic lab techniques
- Learn and perform new lab techniques
- Work independently
- Analyze data and perform statistical analysis
- Describe principles and mechanisms with appropriate depth
- Support arguments with primary scientific studies
- Provide systematic review of state of knowledge

IMPORTANT DATES AND DEADLINES

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| Project Description and Signatures | September 25 th 2020 |
| Progress Report #1 | November 13 th 2020 |
| Progress Report #2 | February 5 th 2021 |
| Faculty of Science Undergraduate Research Day or Thesis Defence | To be determined by the Faculty of Science |
| Examination Copy of Thesis | April 16 th 2021 |
| Corrected Thesis & Supervisor's Signature | April 30 th 2021 |

Penalties for Missing Deadlines

1. In determining the final mark the course Coordinator will consider any deadline not met and take this into consideration in setting the final grade. Where there have been repeated and/or lengthy delays in meeting deadlines the course Coordinator will downgrade the final mark by one letter grade point.

2. If the deadline for submission of the corrected final thesis or essay signed by the supervisor is not met, the grade submitted will be IN PROGRESS (IP). This will mean that the student will not be considered for graduation *and* have to re-register in FOOD 4908 for the next term.

CLASS COMMUNICATION

cuLearn will be the primary method of electronic communication with students outside of class. It will be used to make announcements and post supporting material. Students should visit the *cuLearn* page for this course on a regular basis. Failure to check computer communication will not be accepted as an excuse for not meeting course requirements.

COURSE ASSIGNMENTS AND GRADING

Below is a summary of the course assignments and evaluation criteria. A complete grading rubric is available on *cuLearn*. It describes precisely what is expected of you in each of the evaluation criteria listed below. It is your responsibility to read and understanding the grading rubric.

Work performed (15%)

- Time commitment
- Interaction with supervisor
- Autonomy
- Technical skills

Written thesis (60%)

- Literature review
- Research objectives and hypotheses
- Materials and methods
- Results and analysis
- Discussion and conclusions
- References and bibliography
- Grammar, mechanics and style

Poster or Defence (25%)

- Content and visuals of poster or slides
- Content and delivery of oral presentation
- Ability to answer questions

ACADEMIC MISCONDUCT

The consequences of copying, plagiarism and other forms of cheating are substantial. It is an instructional offense to use or pass off as one's own an idea or product which is the work of another without expressly giving credit to that other. It is also an instructional offense to copy the work of a fellow student. If students do plagiarize or cheat, the Dean's Office will be notified and appropriate action will be taken. Students are referred to the 2020/2021 Undergraduate Calendar for information on this topic. The Carleton University Academic Integrity Policy can be found online at <https://carleton.ca/registrar/academic-integrity/>. It is your responsibility to know the contents of these policies, so it is highly recommended that you read them.

REQUESTS FOR ACADEMIC ACCOMMODATION

You may need special arrangements to meet your academic obligations during the term. This information is provided here <https://students.carleton.ca/course-outline/>. For an accommodation request, the processes are as follows:

Pregnancy Obligation

Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit the [Equity Services website](#).

Religious Obligation

Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit the [Equity Services website](#).

Academic Accommodations for Students with Disabilities

If you have a documented disability requiring academic accommodations in this course, please contact the Paul Menton Centre for Students with Disabilities (PMC) at 613-520-6608 or pmc@carleton.ca for a formal evaluation or contact your PMC coordinator to send your instructor your Letter of Accommodation at the beginning of the term. You must also contact the PMC no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with your instructor as soon as possible to ensure accommodation arrangements are made. For more details, visit the [Paul Menton Centre website](#).

Survivors of Sexual Violence

As a community, Carleton University is committed to maintaining a positive learning, working and living environment where sexual violence will not be tolerated, and where survivors are supported through academic accommodations as per Carleton's Sexual Violence Policy. For more information about the services available at the university and to obtain information about sexual violence and/or support, visit: carleton.ca/sexual-violence-support.

Accommodation for Student Activities

Carleton University recognizes the substantial benefits, both to the individual student and for the university, that result from a student participating in activities beyond the classroom experience. Reasonable accommodation must be provided to students who compete or perform at the national or international level. Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, see [the policy](#).