

FOOD 4907
FOOD SCIENCE AND NUTRITION ESSAY AND RESEARCH PROPOSAL

Coordinator for 2021/2022:

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SYNOPSIS

Students conduct an independent research study using library resources, and prepare a **critical review** and **study proposal** on a topic approved by a faculty supervisor. A written report and an oral presentation of the work are required before a grade can be assigned. 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: **conduct independent research that extends current knowledge in food science and nutrition**. Through this course, you will:

- Carry out hypothesis-driven research
- 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

	Due date
Project Description and Signatures	Wednesday September 22 th 2021
Progress Report #1	Friday October 29 th 2021
Progress Report #2	Friday December 17 th 2021
Progress Report #3	February 18 th 2022
Faculty of Science Undergraduate Research Day	To be determined by the Faculty of Science (generally held just prior to the winter exam period)
Examination Copy of Thesis	Friday April 8 th 2022
Corrected Thesis & Supervisor's Signature	Friday April 22 th 2022

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 delays in meeting deadlines the course Coordinator will downgrade the final mark by one 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 4907 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

Written thesis (60%)

- Literature review
- Research objectives and hypotheses
- Experimental design and endpoint measurements
- Significance and implications, conclusions
- References and bibliography
- Grammar, mechanics and style

Poster presentation (25%)

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

PLAGIARISM AND CHEATING

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.

ACADEMIC ACCOMODATIONS

You may need special arrangements to meet your academic obligations during the term. For an accommodation request the processes are as follows:

Pregnancy obligation –

Write to me 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: http://www.carleton.ca/equity/accommodation/student_guide.htm

Religious obligation –

Write to me 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: http://www.carleton.ca/equity/accommodation/student_guide.htm

Students with disabilities requiring academic accommodations -

Students must register with the Paul Menton Centre for Students with Disabilities (PMC) for a formal evaluation of disability-related needs. Documented disabilities could include but are not limited to mobility/physical impairments, specific Learning Disabilities (LD), psychiatric/psychological disabilities, sensory disabilities, Attention Deficit Hyperactivity Disorder (ADHD), and chronic medical conditions. Registered PMC students are required to contact the PMC, 613-520-6608, every term to ensure that I receive your Letter of Accommodation, no later than two weeks before the first assignment is due or the first in-class test/midterm requiring accommodations.