

TO RECEIVE PERMISSION TO REGISTER FOR THIS COURSE:

Complete Appendix I and Appendix II, print 2 copies of Appendix I and Appendix II, and submit 1 copy to the Student Affairs Office, Room 209 Human Ecology Building and submit 1 copy to the Course Coordinator/Facilitator

HNSC 4122 Research Project in Human Nutritional Sciences (6h)

Course Description: A research project in any aspect of human nutritional sciences, chosen in consultation with the supervising faculty member. A written report and a poster or oral presentation required at the end of the project. Pre-requisite: Registration in the final year of the Human Nutritional Sciences program. Application required. Enrolment limited. Not to be held with HNSC 4120 Senior Thesis.

Appendix I

Student/Trainee: _____ Date: _____

Student's Telephone: _____ e-mail: _____

Supervisor's Name: _____ e-mail: _____

Course Registration: This course is scheduled September to April

Expected Graduation Date: _____

Topic Title: _____

Please check:

I wish to conduct a laboratory based (biochemical “wet” laboratory or “dry” laboratory of a survey nature) thesis project within foods and/or nutrition of interest to myself and I have secured a supervisor who is willing to fund and supervise my work in the laboratory.

Course Commitment: I understand that this is a 6 credit hour research project course for 26 weeks (September to April). The time commitment is based on a course with 3 h/wk lectures and 3h/wk lab plus additional preparation and homework time.

DEADLINES:

▪Appendix 1 (this form) and Appendix II (see attached form) to the Student Affairs Office and the Course Coordinator before registration in this course – early submission of these forms before July 1 will facilitate the registration process. [Appendix II - Supervisor provides brief letter of support for supervising the student for a specified research project.]

▪Appendix III (see attached form) to the Course Coordinator by September 30th, yearly or the next working day. [Appendix III: The student (in consultation with the supervisor) provides a Summary of the research project (limited to one page single-spaced) and a time line for completion of the project during the fall and winter semesters.]

Appendix II

Brief Letter from Supervisor(s)

**HNSC 4122 Research Project in Human Nutritional Sciences (6h)
Department of Human Nutritional Sciences**

Note: Appendix II must be signed by the Research Supervisor before submitting this form to the Student Affairs Office, Faculty of Human Ecology and the HNSC 4122 Course Coordinator.

| | |
|--------------|--|
| Date: | _____ |
| TO: | HNSC 4120 Course Coordinator & Student Affairs Office, Faculty of Human Ecology |
| FROM: | _____ |
| | Signature: _____ |
| RE: | Research Project in HNS Supervision |
| | |

Appendix III

HNSC 4122: Summary of the Project and Time Frame

Complete this form by September 30th or the next working day.

**Provide one printed copy to the Research Supervisor &
one copy to the Course Coordinator.**

Student/Trainee: _____ Date: _____

SUMMARY of THESIS PROJECT (limit to this page):

Expectations and Guidelines

Course Objectives:

1. To participate in a research project and to understand various components of the research process, including the literature background, hypothesis and objectives, experimental design and methodology, data collection, analyses and interpretation.
2. To communicate and disseminate research findings through preparation of a final thesis report, and an oral or poster presentation.
3. To provide exposure to research activities in Human Nutritional Sciences.

Course Commitment: This is a 6 credit hour research project course for 26 weeks (September to April). The time commitment is based on a course with 3 h/wk lectures and 3h/wk lab plus additional preparation and homework time.

Course Evaluation (Please see course syllabus for the current year – this breakdown is provided as an example):

| | |
|---|-----|
| Student participation in research process | 20% |
| Final thesis report | 60% |
| Oral or poster presentation | 20% |

Research Projects:

Students completing this course should follow the instructions of their research supervisor. However, the following **general expectations** should be considered:

1. The topic should not be an extension of previous academic assignments or research laboratory that is already “written-up” and contributed to course credit.
2. The topic could be linked to previous work that was conducted in the research laboratory (for example a summer research project), however, there must be entirely new data collection, analysis, thesis report and oral/poster presentation for the HNSC 4122 Research Project.

Guidelines for the Final Thesis Report:

1. The written report should not exceed 50 written pages double-spaced with margins of one inch and a font size not less than 12. *The page limit does not include “front” pages, references or appendices.*
2. The final document should include in the following order:
 - a. A cover page with title, student name and identification number, course number and advisor
 - b. A table of contents
 - c. An abstract (250 word limit)
 - d. Main thesis components:
 - i. Introduction & Literature Review pertinent to topic
 - ii. Hypothesis and Objectives
 - iii. Methods
 - iv. Results as text, table and figures with text first
 - v. Discussion and Summary
 - vi. Implications and Future Research including “gaps” in the literature
 - e. References
 - f. Appendices as necessary

Appendix IV
HNSC 4122 - Thesis Evaluation Form and Grading Scheme
for use by Research Supervisors and Course Co-ordinator¹

Student Name: _____ Student ID: _____

Advisor's Name: _____ Signature: _____

Date: _____

Expand the table as needed using Word.

| Section of Thesis | Comment(s) | Grade |
|---|------------|-------|
| Abstract – consider all critical aspects addressed within word limit, completeness, accuracy of data, appropriate conclusion(s). | | /10 |
| Literature Review – consider completeness of the review, accurate use of research reports, up to date/current, ability to integrate knowledge and formulate objectives and hypotheses. | | /20 |
| Methods – consider completeness and clarity. Proper citing of references methodology. Explains choice of methodology. Statistical approach including sample size as appropriate. | | /20 |
| Results – consider presentation in text, tabular or graphic form. Flow of thought from outcome to outcome. Accuracy of data including significant figures (decimal places). | | /20 |
| Discussion – consider interpretation relative to what is known, implications, limitations of research, summary/conclusions. | | /20 |
| Presentation including grammar, spelling, style | | /10 |
| Total | Overall: | /100 |

¹Students provide a copy of this for to the Advisor and to the Course Coordinator.