



## COLLEGE of SOCIAL AND APPLIED HUMAN SCIENCES

DEPARTMENT OF FAMILY RELATIONS  
AND APPLIED NUTRITION

# FRAN\*6750 - Final Project in Applied Human Nutrition

## Course Outline - Fall 2019 to Summer 2020

### INSTRUCTOR

**Simone Holligan, PhD**

Office : MACS 335

Phone : 519-824-4120 ext. 53006

Email : [holligas@uoguelph.ca](mailto:holligas@uoguelph.ca)

### CLASS TIME/LOCATION

**Mondays during the fall semester from 2:30 pm -5:20 pm in MACS 331**

We will also have 1 to 2 check-ins on Mondays during the winter semester. The exact dates and times for these check-ins are to be determined. We will also host research retreats during the first week of December and the second week of April to provide you with time and support while working on your research projects.

### COURSE DESCRIPTION

The goal of this course is for students to gain skills in applied research for dietetic services in public health, management, food services and/or clinical contexts. Students will be exposed to a number of approaches and will develop selected research skills. The course also includes a research project to be completed over the course of the Master of Applied Nutrition (MAN) program. The format includes formal class instruction as well as individual mentoring.

### LEARNING OUTCOMES

By the end of this course, students will be able to:

1. Design and execute research projects in various dietetic practice settings. This includes completing funding applications, ethics applications, data collection, data entry, data analysis and presentation of results. Students will demonstrate these skills by completing their practice-based research projects.
2. Analyze and interpret basic quantitative and qualitative data by completing course assignments and completing data analysis within their research projects.
3. Communicate in written, verbal and visual forms with a variety of audiences (funders, researchers, lay persons) about their research by writing research proposals and reports and presenting proposals and research projects to fellow students and co-investigators.
4. Demonstrate productive teamwork and group communication skills.

## COURSE STRUCTURE AND ORGANIZATION

This course consists of formal class work and a community-based research project to be completed outside of class time. Students will be expected to dedicate on **average of 3-4 hours a week outside of class time to the project over the course of 3 consecutive semesters.**

The typical timeline for this course is outlined below:

- *Fall Semester:*  
Students attend weekly classes to learn skills key to dietetic practice-based research. Students will be introduced to their community research partners, will learn about their research projects and create a research proposal which will guide their research throughout the winter and summer semesters.
- *Winter Semester:*  
Most students will be collecting data during the winter semester.
- *Summer Semester:*  
Students will typically finish remaining data collection in the summer semester and will complete data analysis and writing of the final reports.

## TEACHING AND LEARNING ACTIVITIES

Date	Topics	Assigned Readings & Guest Speakers	Notes & Due Dates
Sept. 9	Introduction Review Course Outline Introduction to Practice-Based Research <b>Community-Engaged Scholarship</b>	Simone	
Sept 16	Developing a research project Writing research questions Choosing a study design Referencing software <b>Literature Searching</b>	Simone  <b>MELANIE CASSIDY</b>	
Sept 23	Survey Design <b>Qualtrics Orientation</b>	Simone  <b>QUIN SHIRK-LUCKETT (@2:30pm)</b>	
Sept 30	Statistical analysis <b>SPSS orientation</b>	Simone  <b>LUCIA COSTANZO (@2:30pm)</b>	
Oct 7	Stats Assignment help	Simone	Open class time
Oct 14	<i>Thanksgiving break</i>		

Date	Topics	Assigned Readings & Guest Speakers	Notes & Due Dates
<b>Oct. 21</b>	<b>Focus Groups and Interviews</b>	<b>LINDSEY THOMSON</b>	
<b>Oct 28</b>	<b>Quality Improvement</b>	<b>BLAIR HODGSON</b>	
<b>Nov 4</b>	Research ethics	Simone	
<b>Nov 11</b>	Writing Proposals	Simone	
<b>Nov 18</b>	Qualitative methods <b>NVivo orientation</b>	Simone <b>LUCIA COSTANZO (@2:30pm)</b>	
<b>Nov 25</b>	<b>Chart Audits</b>	<b>GWEN KOSTAL</b>	
<b>Dec 2-6</b>	<i>Research Retreat</i>	Flexible work time, instructor support and feedback will be available.	Key tasks: Research Proposals
<b>January check-in</b>	Proposal Speed-dating Presentation	Simone	
<b>March check-in</b>	Be prepared to share your progress to date and talk about challenges and successes.	Simone	
<b>Apr 6-9</b>	<i>Research Retreat</i>	Flexible work time, professor support and feedback will be available.	Key tasks: Data analysis and writing.
<b>MAN preceptor appreciation day</b>	<b>Those who have completed their projects will present their research posters at this event. Those who have not completed the posters will briefly present the purpose and methods of your research project.</b>		

## ASSESSMENT DETAILS

Please note: deadlines are generally negotiable depending on the needs of students. Supporting student learning through formative assessment is an important component of this course. Therefore, students will have the opportunity to submit assignments, get feedback and resubmit assignments to enhance their learning and increase their final marks on the assignments.

Assessment	LOs Addressed	Due Date	% of Final
CORE tutorial	1	Sept 27	5
Statistical Analysis Assignment	1, 2	Oct 18	10
Research Proposal	1-4	Dec 13	25
Research Proposal "Elevator Speech"	1-3	January Check-in day	5
Interim research report	1-4	Apr 20	10
Effort on research project	1-4	n/a	10
Final research report	1-4	Aug 14	25
Final research poster	1-4	Aug 14	10
<b>Total:</b>			<b>100%</b>

## COURSE STATEMENTS

### Course Website:

There is a course website at <http://courselink.uoguelph.ca>. All components of this course will be housed on the CourseLink site including this course outline, assignments, and links to further resources. Your assignments will be submitted through the Dropbox function. Marks and feedback will also be released on the site. Please familiarize yourself with this website as soon as possible and visit it regularly throughout the semester.

### Turnitin Software:

In this course, your instructor will be using Turnitin, integrated with the CourseLink Dropbox tool, to detect possible plagiarism, unauthorized collaboration or copying as part of the ongoing efforts to maintain academic integrity at the University of Guelph.

All submitted assignments will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. Use of the Turnitin.com service is subject to the Usage Policy posted on the Turnitin.com site.

A major benefit of using Turnitin is that students will be able to educate and empower themselves in preventing academic misconduct. In this course, you may screen your own assignments through Turnitin as many times as you wish before the due date. You will be able to see and print reports that show you exactly where you have properly and improperly referenced the outside sources and materials in your assignment.

## **UNIVERSITY STATEMENTS**

### **E-mail Communication:**

As per university regulations, all students are required to check their <uoguelph.ca> e-mail account regularly: e-mail is the official route of communication between the University and its students.

### **When You Cannot meet a course requirement:**

When you find yourself unable to meet in-course requirements due to illness or compassionate reasons, please advise the course instructor (or designated person, such as a teaching assistant) in writing with name, ID#, and email contact. See the graduate calendar for information on regulations and procedures for Academic Consideration:

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

### **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.

### **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.

More information: [www.uoguelph.ca/sas](http://www.uoguelph.ca/sas)

### **Academic misconduct:**

The University takes a serious view of academic misconduct and will severely penalize students, faculty and staff who are found guilty of offences associated with misappropriation of others' work, misrepresentation of personal performance and fraud, improper access to scholarly resources, and obstructing others in pursuit of their academic endeavours.

In addition to this policy, the University has adopted a number of policies that govern such offences, including the policies on Misconduct in Research and Scholarship and the Student Rights and Responsibilities regulations. These policies will be strictly enforced.

[https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/sec\\_d0e2630.shtml](https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/sec_d0e2630.shtml)

<http://www.uoguelph.ca/research/for-researchers/research-integrity-and-conflict-of-interest>

**Recording of materials:**

Presentations which are made in relation to course work—including lectures—cannot be recorded or copied without the permission of the presenter, whether the instructor, a classmate or guest lecturer. Material recorded with permission is restricted to use for that course unless further permission is granted.

**Resources:**

The [Academic Calendars](#) are the source of information about the University of Guelph's procedures, policies and regulations which apply to undergraduate, graduate and diploma programs.

**Appendix:**

This course will meet the following Competency Performance Indicators from the Integrated Competencies for Dietetic Education and Practice (2013; <http://www.pdep.ca/>):

**Performance Indicators:**

<b>Competency PI</b>	<b>How PI is met</b>
<b>1. Professional Practice</b>	
1.01e Identify federal and provincial/territorial requirements relevant to practice settings.	By completing CORE ethics training and abiding by ethical standards when collecting or analyzing data for the research project
1.01f Comply with applicable legislation, regulations, and policies.	By completing CORE ethics training and abiding by ethical standards when collecting or analyzing data for the research project
1.02e Identify regulatory requirements relevant to practice setting.	By completing CORE ethics training and abiding by ethical standards when collecting or analyzing data for the research project
1.02f Comply with applicable regulatory requirements.	By completing CORE ethics training and abiding by ethical standards when collecting or analyzing data for the research project
1.02i Maintain client confidentiality and privacy.	By completing CORE ethics training and abiding by ethical standards when collecting or analyzing data for the research project
1.02l Ensure informed consent.	By completing CORE ethics training and abiding by ethical standards when collecting or analyzing data for the research project
1.06e Obtain and interpret evidence.	By completing research proposal and final research project
1.06f Apply ethical principles.	By completing CORE ethics training and abiding by ethical standards when collecting or analyzing data for the research project
1.06h Make and justify decisions in consideration of ethics, evidence, contextual factors and client perspectives.	By completing CORE ethics training and abiding by ethical standards when collecting or analyzing data for the research project
1.06i Take responsibility for decisions and actions.	By completing CORE ethics training and abiding by ethical standards when collecting or analyzing data for the research project

<b>Competency PI</b>	<b>How PI is met</b>
1.08b Prioritize professional activities and meet deadlines.	By completing the proposal and interim research report and by being accountable to your research group-mates.
1.09b Use technology to communicate.	
1.09d Use technology to seek and manage information.	By completing research proposal and final research project
1.10d Maintain security and confidentiality of records.	By completing CORE ethics training and abiding by ethical standards when collecting or analyzing data for the research project
1.10e Identify organizational requirements for record keeping.	By completing CORE ethics training and abiding by ethical standards when collecting or analyzing data for the research project
1.10g Document in accordance with legal and organizational requirements.	By completing CORE ethics training and abiding by ethical standards when collecting or analyzing data for the research project
1.13b Identify research questions, methods, and ethical procedures related to dietetic practice.	By completing research proposal and final research project
1.13c Source, critically appraise and interpret literature relevant to a research question.	By completing research proposal and final research project
1.13d Summarize and communicate research information	By completing research proposal and final research project
<b>2. Communication and Collaboration</b>	
2.01f Demonstrate knowledge of practice-setting-related terminology.	By completing research proposal and final research project
2.01g Use appropriate terminology.	By completing research proposal and final research project
2.02c Edit written material for style, spelling and grammar.	By completing research proposal and final research project
2.02d Write clearly and concisely, in a manner responsive to the needs of the reader(s).	By completing research proposal and final research project
2.02e Write in an organized and logical fashion.	By completing research proposal and final research project
2.02f Provide accurate and relevant information in written material.	By completing research proposal and final research project
2.02g Ensure that written material facilitates communication.	By completing research proposal and final research project
2.03b Speak clearly and concisely, in a manner responsive to the needs of the listener(s).	By completing elevator speech assignment
2.03d Use appropriate tone of voice and body language.	By completing elevator speech assignment
2.06c Contribute dietetics knowledge in collaborative practice.	By completing research proposal and final research project
2.06f Draw upon the expertise of others.	By completing group research proposal and final research project
2.06g Contribute to shared decision making.	By completing group research proposal and final research project
2.06i Facilitate interactions and discussions among team members.	By completing group research proposal and final research project