COLLEGE *of* SOCIAL AND APPLIED HUMAN SCIENCES

DEPARTMENT OF FAMILY RELATIONS
AND APPLIED NUTRITION

FRAN*6750 Fundamentals of Dietetic Practice-Based Research
COURSE OUTLINE – FALL 2023

1. GRADUATE CALENDAR DESCRIPTION

In this course, students learn the fundamentals of dietetic practice-based research, including critical appraisal, quantitative methods, qualitative methods and quality improvement.

Credit Weight: 0.5 credits

Course Hours: 3-0 (36 lecture; 0 lab/seminar)

Pre-Requisite(s):   n/a

Co-Requisites(s):   n/a

Restriction(s):   MAN students

2. COURSE DESCRIPTION

3. In this course, students learn the fundamentals of dietetic practice-based research, including study design, critical appraisal, writing about research, quantitative methods, qualitative methods and quality improvement.

4. TIMETABLE

Lecture: Mondays 2:30-5:20pm

Location: MACS 331

5. INSTRUCTIONAL SUPPORT

Course Instructor: Dr. Laura Forbes, PhD, RD

Email: forbesl@uoguelph.ca

Telephone: 519-824-4120 ext. 52544

Office: MINS 227B

Office Hours: **By appointment. E-mail me to set up a virtual or in person meeting**

6. LEARNING RESOURCES

Required Resource(s):

Recommended Resource(s):
 Will be provided on CourseLink throughout the semester

7. LEARNING OUTCOMES

At the completion of the course, successful students will be able to:

1. Design and execute research-related projects in various dietetic practice settings. This includes completing funding applications for practice-based research, ethics applications, critiquing research methodology, designing statistical analyses, completing qualitative analysis, translating research knowledge for the general public and engaging in the quality assurance process.
2. Communicate in written, verbal and visual forms with a variety of audiences (funders, researchers, health care professionals, lay people) about their research by completing course assignments.
3. Demonstrate productive teamwork and group communication skills.
4. Develop a portfolio of research-related skills and abilities.

8. TEACHING AND LEARNING ACTIVITIES/CLASS SCHEDULE

Week	Topics	Assigned Readings & Guest Speakers
1	Introduction to Practice-based Research Literature Searching and Referencing	Guest speaker: Nancy Birch, Librarian
2	Writing research questions Choosing a study design	
3	Survey Design Qualitrics orientation	
4	Ethics	
5	Writing about research for different audiences	
6	Getting research funded	
7	Statistical analysis SPSS orientation	
8	Focus groups	Guest: Karen Nelson
9	Qualitative Analysis	
10	Quality improvement	Guest: Denis Tsang, MAN, RD
11	Presenting Quality Improvement Data	Guest: Gwen Kostal, RD

Note: This is a tentative schedule; however, due to various unknown factors there may be changes. Any changes will be announced during class and an announcement will be posted on the CourseLink site.

9. ASSESSMENT DETAILS

Assessment	LOs Addressed	Due Date	% of Final
CORE research ethics tutorial	1	Sept. 25	5
In- class assignments for ethics, research funding, qualitative data analysis, quality improvement	1-3	Throughout the semester	20
Lost in (Knowledge) Translation assignment	1-3	Nov. 6	30
Survey Development and Stats assignment	1, 2	Nov. 20	25
1st Draft Research Dossier	4	Dec. 11	20
		Total:	**100%**

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.

10. COURSE STATEMENTS

Land Acknowledgement:

We acknowledge that the University of Guelph resides on the ancestral lands of the Attawandaron people and the treaty lands and territory of the Mississaugas of the Credit. We recognize the significance of the Dish with One Spoon Covenant to this land and offer our respect to our Anishinaabe, Haudenosaunee and Métis neighbours as we strive to strengthen our relationships with them. Acknowledging them reminds us of our important connection to this land where we learn and work.

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.

Late Assignments:

Due dates in this course are generally flexible, however, if you are going to hand an assignment in late, you must contact your course instructor to inform them when you will be submitting your assignment.

Receipt of Grades:

After you receive a grade on CourseLink, please review your feedback. Any inquiry or dispute over the grade must be made within two weeks from the date they are posted. If you fail to protest any grade during this time limit, changes to the grade will not be considered.

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.

11. 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 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. See the Graduate Calendar for information on regulations and procedures for Academic Consideration.

Drop date:
Courses that are one semester long must be dropped by the end of the last day of classes; two-semester courses must be dropped by the last day of classes in the second semester. The regulations and procedures for Dropping Courses are available in the Graduate Calendar.

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.

Use of the SAS Exam Centre requires students to make a booking at least 14 days in advance, and no later than November 1 (fall), March 1 (winter) or July 1 (summer). Similarly, new or changed accommodations for online quizzes, tests and exams must be approved at least a week ahead of time.

More information: www.uoguelph.ca/sas

Academic misconduct:

The Academic Misconduct Policy is outlined in the Graduate Calendar.

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 discourages misconduct. 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.

Instructors **shall not** determine if academic misconduct has occurred. This is up to the Associate Dean Academic's office. Instructors shall not assign a grade of zero even if they believe that the student has committed some form of academic misconduct (e.g., copied material from a website like CourseHero) on an assignment or exam.

Instructors **can** determine if a student has poorly paraphrased and/or improperly cited material and can provide a grade accordingly as long as this is clearly identified as part of the assessment criteria via a rubric or other assessment tools.

For more information about Academic Integrity resources and how to prevent Academic Misconduct see: https://csahs.uoguelph.ca/faculty-research/hub-teaching-learning-excellence/academic-integrity

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.

Disclaimer:

Please note that the ongoing COVID-19 pandemic may necessitate a revision of the format of course offerings, changes in classroom protocols, and academic schedules. Any such changes will be announced via Courselink and/or class email.

This includes on-campus scheduling during the semester, mid-terms and final examination schedules. All University-wide decisions will be posted on the COVID-19 website (https://news.uoguelph.ca/2019-novel-coronavirus-information/) and circulated by email.

Illness:

Medical notes will not normally be required for singular instances of academic consideration, although students may be required to provide supporting documentation for multiple missed assessments or when involving a large part of a course (e.g., final exam or major assignment).

COVID-19 Safety Protocols:

For information on current safety protocols, follow these links:

- https://news.uoguelph.ca/return-to-campuses/how-u-of-g-is-preparing-for-your-safe-return/
- https://news.uoguelph.ca/return-to-campuses/spaces/#ClassroomSpaces

Please note, that these guidelines may be updated as required in response to evolving University, Public Health or government directives.

Appendix A. Dietetic Performance Indicators Incorporated Into FRAN*6750
Per INTEGRATED COMPETENCIES FOR DIETETIC EDUCATION AND PRACTICE (ICDEP)
Version 3.0 (2020) July 15, 2020 (Revised August 4, 2020) www.pdep.ca

Practice Competency	Performance Indicator	PI Assessment Required (Knows, Knows How, Shows How, Does)	Learning Activity/Assessment
Professional Practice			
2.02 Act ethically and with integrity	c. Act in accordance with ethical principles	SH	CORE ethics training, Ethics in-class assignment
2.04 Employ a client-centred approach	b. Ensure informed consent	SH	CORE ethics training, Ethics in-class assignment and Survey and stats assignment
	e. Maintain client confidentiality and privacy	KH	CORE ethics training, Ethics in-class assignment and Survey and stats assignment
2.06 Ensure appropriate and secure documentation	b. Maintain security and confidentiality of records	KH	CORE ethics training, Ethics in-class assignment Survey and stats assignment
2.08 Manage time and workload	b. Meet deadlines	SH	All assignments
2.09 Employ an evidence informed approach to practice	c. Make evidence-informed decisions	SH	Lost in Knowledge Translation assignment
2.12 Maintain comprehensive and current knowledge relevant to practice	a. Use relevant terminology	SH*	Lost in Knowledge Translation assignment, Survey and stats assignment
	b. Identify relevant sources of information	SH*	Lost in Knowledge Translation assignment
	c. Critically appraise information relevant to practice	SH*	Lost in Knowledge Translation assignment
	d. Identify emerging information relevant to practice.	SH*	Lost in Knowledge Translation assignment

Practice Competency	Performance Indicator	PI Assessment Required (Knows, Knows How, Shows How, Does)	Learning Activity
2.13 Use information management technologies to support practice	b. Use information management systems	SH*	Lost in Knowledge Translation assignment, Survey and stats assignment
Practice Competency	**Performance Indicator**	**PI Assessment Required** (Knows, Knows How, Shows How, Does)	**Learning Activity**

Communication and Collaboration

Practice Competency	Performance Indicator	PI Assessment Required	Learning Activity
3.01 Use appropriate communication approaches	b. Use communication approaches appropriate to context	SH*	Lost in knowledge translation assignment
	c. Use language tailored to audience	SH*	
3.02 Use effective written communication skills	a. Write in a manner responsive to audience	SH*	Lost in knowledge translation assignment
	b. Write clearly and in an organized fashion	SH*	Lost in knowledge translation assignment, Survey and stats assignment, Research Portfolio
3.06 Engage in teamwork	b. Contribute effectively to team work	SH	All in class assignments, Survey and stats assignment
3.07 Participate in collaborative practice	c. Participate in discussions with team members	SH	All in class assignments and Survey and stats assignment
	e. Draw upon the expertise of others	SH	All in class assignments and Survey and stats assignment
	f. Contribute to collaborative decision making	SH	All in class assignments and Survey and stats assignment
Practice Competency	**Performance Indicator**	**PI Assessment Required** (Knows, Knows How, Shows How, Does)	**Learning Activity**

Management and Leadership

4.02 Assess and enhance approaches to practice	a. Assess a practice situation	SH	QI in class assignment
	b. Interpret and consolidate evidence to establish a course of action	SH	
	c. Plan the implementation of change	SH	
	d. Plan the evaluation of change	SH	
4.03 Participate in practice-based research activities	a. Frame question(s)	SH*	Survey and stats assignment
	b. Critically appraise literature	SH*	Lost in knowledge translation assignment
	c. Identify relevant methodology	SH*	Survey and stats assignment and lost in knowledge translation assignment
	d. Interpret findings	SH*	Survey and stats assignment, lose in knowledge translation assignment
	e. Communicate findings	SH*	Survey and stats assignment, lose in knowledge translation assignment
4.04 Undertake knowledge translation	b. Reframe knowledge into a format accessible to others	SH*	Lost in knowledge translation assignment

*completed at the DOES level when research portfolio is complete at the end of the summer semester