

**Eastern Illinois University  
New/Revised Course Proposal Format**

CGS Agenda Item 21-09  
Effective Fall 2021

**Banner/Catalog Information (Coversheet)**

1. ☐ New Course or ☒ Revision of Existing Course
2. **Course prefix and number:** NTR 5600
3. **Short title:** Research Methods in Nutrition
4. **Long title:** Research Methods in Nutrition and Dietetics
5. **Hours per week:**  Class  Lab  Credit
6. **Terms:** ☒ Fall ☒ Spring ☐ Summer ☐ On demand
7. **Initial term:** ☒ Fall ☐ Spring ☐ Summer Year: 2021
8. **Catalog course description:** In-depth study and application of research methodologies utilized in nutrition and dietetics. Students are provided a foundation of needs assessment as it applies to the development and assessment of nutrition education programming.
9. **Course attributes:** N/A

General education component: \_\_\_\_\_

☐ Cultural diversity ☐ Honors ☐ Writing centered ☐ Writing intensive ☐ Writing active

**10. Instructional delivery**

**Type of Course:**

☒ Lecture ☐ Lab ☐ Lecture/lab combined ☐ Independent study/research  
☐ Internship ☐ Performance ☐ Practicum/clinical ☐ Other, specify: \_\_\_\_\_

**Mode(s) of Delivery:**

☒ Face to Face ☒ Online ☐ Study Abroad  
☐ Hybrid, specify approximate amount of on-line and face-to-face instruction

**11. Course(s) to be deleted from the catalog once this course is approved. N/A**

**12. Equivalent course(s): N/A**

a. Are students allowed to take equivalent course(s) for credit? ☐ Yes ☐ No

**13. Prerequisite(s): None**

a. Can prerequisite be taken concurrently? ☐ Yes ☐ No

b. Minimum grade required for the prerequisite course(s)?

c. Use Banner coding to enforce prerequisite course(s)? ☐ Yes ☐ No

**d. Who may waive prerequisite(s)?**

☐ No one    ☐ Chair    ☐ Instructor    ☐ Advisor    ☐ Other

**14. Co-requisite(s):** None

**15. Enrollment restrictions**

**a. Degrees, colleges, majors, levels, classes which may take the course:** Students admitted into the MS in Nutrition and Dietetics program.

**b. Degrees, colleges, majors, levels, classes which may not take the course:** Those not admitted into the MSND program.

**16. Repeat status:** ☒ May not be repeated    ☐ May be repeated once with credit

**17. Enter the limit, if any, on hours which may be applied to a major or minor:** N/A

**18. Grading methods:** ☒ Standard    ☐ CR/NC    ☐ Audit    ☐ ABC/NC

**19. Special grading provisions:** N/A

☐ Grade for course will not count in a student's grade point average.

☐ Grade for course will not count in hours toward graduation.

☐ Grade for course will be removed from GPA if student already has credit for or is registered in:

\_\_\_\_\_

☐ Credit hours for course will be removed from student's hours toward graduation if student already has credit for or is registered in: \_\_\_\_\_

**20. Additional costs to students:**

Supplemental Materials or Software: N/A

Course Fee ☒ No ☐ Yes, Explain if yes

**21. Community college transfer: N/A**

☐ A community college course may be judged equivalent.

☐ A community college may not be judged equivalent.

Note: Upper division credit (3000+) will not be granted for a community college course, even if the content is judged to be equivalent.

## **Rationale, Justifications, and Assurances (Part I)**

1. ☒ Course is required for the major(s) of Nutrition and Dietetics graduate students.

☐ Course is required for the minor(s) of

☐ Course is required for the certificate program(s)

☐ Course is used as an elective for

**2. Rationale for proposal:**

This course emphasizes the foundational aspects of research methods in nutrition and dietetics, such as conduct of research and research methodology as well as the application of research methods through a needs assessment and quality improvement project.

**3. Justifications for (answer N/A if not applicable)**

Similarity to other courses: This course may be similar to other graduate Assessment or Evaluation courses (e.g. PUBH 5750). However, this course focuses primarily on the design and conduct of needs assessments in nutrition-specific programs.

Prerequisites: N/A

Co-requisites: N/A

Enrollment restrictions: As this course focuses on research methodologies commonly utilized in the Nutrition and Dietetics field and will serve as a prerequisite for NTR 5610 Systematic Reviews in Nutrition and Dietetics, the course will be restricted to those students admitted into the MS in Nutrition and Dietetics program.

Writing active, intensive, centered: N/A

**4. General education assurances (answer N/A if not applicable)**

General education component: N/A

Curriculum: N/A

Instruction: N/A

Assessment: N/A

**5. Online/Hybrid delivery justification & assurances (answer N/A if not applicable)**

Online or hybrid delivery justification: This course will be offered in-person, with the flexibility of being offered online. Other classes in the program have been offered in the online format successfully, and the faculty will have the appropriate experience and training to deliver quality courses in either modality.

Instruction: Lectures from the face-to-face courses may be recorded and posted online for students to view. Other online components (e.g., tutorials, videos, discussions) will be included. All faculty who will deliver this course online are/will be OCDi (or appropriate equivalent) trained.

Integrity: The integrity of the course will not be compromised by offering an online mode of delivery. The online version of the course will utilize the same PowerPoint lectures (with slides regularly complemented by audio/video aids) and exams will include the same content and allotted time (e.g., Respondus Lockdown browser can be enabled). Academic integrity of written work will be preserved and monitored for originality and authenticity with the most current technology available. Student written work may be compared to discussion board content to monitor authenticity.

Interaction: At the discretion of the faculty, provisions and requirements would vary but generally will utilize Email, chat rooms, discussion boards, assignment drop boxes, telephone, and on-line

office hours. Students will participate in online discussion boards through their own posts in response to their peer students and to the instructor. In addition to responding to students' posts, the instructor will monitor discussion board posts to ensure that a respectful, professional, and academic tone is maintained.

### **Model Syllabus (Part II)**

Please include the following information:

1. Course number and title: NTR 5600 Research Methods in Nutrition and Dietetics
2. Catalog description: In-depth study and application of research methodologies utilized in nutrition and dietetics. Students are provided a foundation of needs assessment as it applies to the development and assessment of nutrition education programming.

### **3. Learning objectives:**

Upon completion of this course, students will

- a) Examine the ethical standards for research and protection of subjects (A, D, E)
- b) Work with community stakeholders to identify a quality improvement or programmatic need utilizing appropriate research and data collection methods (B)
- c) Apply evidence-based guidelines when drafting the needs assessment plan and technical presentation. (A-D)
- d) Evaluate emerging research for application in nutrition and dietetics practice. (A, B, D)
- e) Demonstrate proficiency in professional technical communication skills. (C)
- f) Differentiate among qualitative and quantitative research methodologies commonly used in nutrition and nutrition education research. (A, B)
- g) Develop data collection instruments using sound methodological principles. (A -E)

### **Graduate Learning Goals**

Depth of content knowledge (A)  
 Effective critical thinking and problem solving (B)  
 Effective oral and written communication (C)  
 Advanced scholarship through research or creative activity (D)  
 Ethical and professional responsibility (E)

4. Course materials: Kviz, F. J. (2020). *Conducting Health Research, Principles, Process, and Methods*; Sage Publications: Thousand Oaks, CA.  
 Giancola, S.P. (2021). *Program Evaluation*; Sage Publications: Thousand Oaks, CA.

### **5. Weekly outline of content.**

<b>Weeks</b>	<b>Topic</b>
1	Introduction to Needs Assessments, Ethical Considerations
2	Pre-assessment –Designing an evaluation plan
3	Working with Stakeholders to Determine the Scope of the Needs Assessment
4	Logic Models
5	Types of Evaluations- Formative, Process, Outcome, Summative Evaluations
6-7	Qualitative Research- Study designs and data collection
8	Qualitative Research- Data analysis
9	Quantitative Research- Study designs and data collection
10-11	Tool Design –Qualitative and Quantitative Surveys, Question Development/Testing
12	Quantitative data analysis
13	Interpreting Data and Developing Reports
14	Presentations

15	Presentations
16	Final

6. Assignments and evaluation, including weights for final course grade.

Course Assignment	% of points
Citi Training	5%
Exams and Quizzes	20%
Written Activities	30%
Community Needs Assessment Presentation	25%
Community Needs Assessment Written Report	20%

7. Grading scale.

A = 90-100%      B = 80-89%      C = 70-79%      D = 60-69%      Below 60% = F

8. Correlation of learning objectives to assignments and evaluation.

Course Objectives	Citi 5%	Exams/ Quizzes 20%	Written Activities 30%	Written Report 25%	Present 20%
Examine the ethical standards for research and protection of subjects. (A, D, E)	X	X	X	X	X
Work with community stakeholders to identify a quality improvement or programmatic need utilizing appropriate research and data collection methods. (B)			X	X	X
Apply evidence-based guidelines when drafting the needs assessment plan and technical presentation. (A-D)			X	X	X
Evaluate emerging research for application in nutrition and dietetics practice. (A, B, D)		X	X	X	X
Demonstrate proficiency in professional technical communication skills. (C)			X	X	X
Differentiate among qualitative and quantitative research methodologies commonly used in nutrition and nutrition education research. (A, B)		X	X		
Develop data collection instruments using sound methodological principles. (A -E)			X	X	

Date approved by the NTR Program:

Date approved by the CHHS Curriculum Committee:

Date approved by CAA:

Date approved by CGS:

January 20, 2021

February 4, 2021

Not Applicable

\_\_\_\_\_