

# NUFD 200: RESEARCH METHODS

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## In Workflow

1. FACS Committee Chair (shiltsm@csus.edu)
2. FACS Chair (wbuchan@csus.edu)
3. SSIS College Committee Chair (tristan.josephson@csus.edu)
4. SSIS Dean (mendriga@csus.edu)
5. Academic Services (torsetj@csus.edu; cnewsome@skymail.csus.edu)
6. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
7. Dean of Undergraduate (james.german@csus.edu; celena.showers@csus.edu)
8. Dean of Graduate (cnewsome@skymail.csus.edu)
9. Catalog Editor (torsetj@csus.edu)
10. Registrar's Office (w lindsey@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

## Approval Path

1. Sat, 01 May 2021 00:54:39 GMT  
Mical Shilts (shiltsm): Approved for FACS Committee Chair
2. Sat, 01 May 2021 17:23:58 GMT  
Lynn Hanna (lhanna): Approved for FACS Chair
3. Fri, 03 Sep 2021 23:02:16 GMT  
Tristan Josephson (tristan.josephson): Approved for SSIS College Committee Chair
4. Wed, 08 Sep 2021 00:44:14 GMT  
Marya Endriga (mendriga): Approved for SSIS Dean

## New Course Proposal

Date Submitted: Sat, 01 May 2021 00:48:24 GMT

### Viewing: NUFD 200 : Research Methods

Last edit: Sat, 01 May 2021 00:48:23 GMT

Changes proposed by: Mical Shilts (102012285)

#### Contact(s):

Name (First Last)	Email	Phone 999-999-9999
Mical Shilts	shiltsm@csus.edu	916.628.4910

#### Catalog Title:

Research Methods

#### Class Schedule Title:

Research Methods

#### Academic Group: (College)

SSIS - Social Sciences & Interdisciplinary Studies

#### Academic Organization: (Department)

Family and Consumer Sciences

#### Will this course be offered through the College of Continuing Education (CCE)?

No

#### Catalog Year Effective:

Fall 2022 (2022/2023 Catalog)

#### Subject Area: (prefix)

NUFD - Nutrition and Food

#### Catalog Number: (course number)

200

**Course ID: (For administrative use only.)**

TBD

**Units:**

3

**In what term(s) will this course typically be offered?**

Spring term only

**Does this course require a room for its final exam?**

Yes, final exam requires a room

**Does this course replace an existing experimental course?**

No

**This course complies with the credit hour policy:**

Yes

**Justification for course proposal:**

Nutrition and Food (NUFD) 200, Research Methods, is one of the core courses being proposed as part of the newly proposed Master of Nutrition and Food. In these core courses, students will apply nutrition and food research to improve individual and community health by developing strategies to promote food access, health equity and encourage dietary change. The timing appears excellent for this new graduate degree. It would meet a critical need for an accreditation requirement for a required master's degree to become a Registered Dietitian Nutritionist by 2024 and provide career advancement opportunities for BS NUFD alumni.

NUFD 200 is designed to provide MS NUFD students discipline specific skills in research design, data collection and analyses methods.

**Course Description: (Not to exceed 80 words and language should conform to catalog copy.)**

A critical examination of quantitative and qualitative research methods used in the nutrition and food discipline. Develop skills in research design selection, measurement, analysis, and interpretation and presentation of results. Study human research ethics and IRB submission protocol. Explore techniques to ensure assessment tools are valid, reliable, and culturally appropriate.

**Are one or more field trips required with this course?**

No

**Fee Course?**

No

**Is this course designated as Service Learning?**

No

**Does this course require safety training?**

No

**Does this course require personal protective equipment (PPE)?**

No

**Does this course have prerequisites?**

Yes

**Prerequisite:**

Admittance to the NUFD graduate program or instructor permission.

**Prerequisites Enforced at Registration?**

Yes

**Does this course have corequisites?**

No

**Graded:**

Letter

**Approval required for enrollment?**

No Approval Required

**Course Component(s) and Classification(s):**

Lecture

**Lecture Classification**

CS#02 - Lecture/Discussion (K-factor=1WTU per unit)

**Lecture Units**

3

**Is this a paired course?**

No

**Is this course crosslisted?**

No

**Can this course be repeated for credit?**

No

**Can the course be taken for credit more than once during the same term?**

No

**Description of the Expected Learning Outcomes: Describe outcomes using the following format: "Students will be able to: 1), 2), etc."**

1. Integrate research ethics and IRB requirements into research design development, data analysis, and presentation of results.
2. Interpret and evaluate nutrition and food research studies identifying research methods and data analysis strengths and limitations.
3. Apply research designs and quantitative and qualitative data collection methods to various nutrition and food settings and target populations.
4. Demonstrate an in-depth understanding of sampling and proper analysis techniques using descriptive and inferential statistics including hypothesis-testing.
5. Construct a research methods proposal in a manner that uses culturally relevant approaches.

**Attach a list of the required/recommended course readings and activities:**

Syllabus\_NUFD 200\_Research Methods.pdf

**Assessment Strategies: A description of the assessment strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers) which will be used by the instructor to determine the extent to which students have achieved the learning outcomes noted above.**

- Exams: Midterm and Final (Obj. 1-4)
- CITI IRB Training Module (Obj. 1)
- Statistical Analysis Assignment (Obj. 4)
- Critical evaluation of peer reviewed journal articles and oral presentation (Obj. 2)
- Research methods proposal and oral presentation (Obj. 1-5)

**For whom is this course being developed?**

Majors in the Dept

**Is this course required in a degree program (major, minor, graduate degree, certificate?)**

Yes

**Has a corresponding Program Change been submitted to Workflow?**

Yes

**Identify the program(s) in which this course is required:****Programs:**

MS in Nutrition &amp; Food

**Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?**

No

**Will there be any departments affected by this proposed course?**

No

I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.

I/we agree

## University Learning Goals

### Graduate (Masters) Learning Goals:

Critical thinking/analysis  
Communication  
Disciplinary knowledge  
Professionalism  
Research (optional)

Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?

No

Is this a Graduate Writing Intensive (GWI) course?

No

Key: 14478