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| For Academic Affairs and Research Use Only | |
| Proposal Number |  |
| CIP Code: |  |
| Degree Code: |  |

**New or Modified Course Proposal Form**

**[ ] Undergraduate Curriculum Council**

**[X] Graduate Council**

|  |
| --- |
| **[X ]New Course, [ ]Experimental Course (1-time offering), or [ ]Modified Course (Check one box)** |

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

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| --- | --- |
| Sarah Kendig 3/11/2022 **Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **COPE Chair (if applicable)** |
| Kellie Buford 3/11/2022 **Department Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Head of Unit (if applicable)** |
| Warren Johnson 3/16/2022  **College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Undergraduate Curriculum Council Chair** |
| Mary Elizabeth Spence 3/16/2022 **Office of Assessment (new courses only)** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Graduate Curriculum Committee Chair** |
| Carl M. Cates 4/5/2022 **College Dean** | Alan Utter 4/25/2022  **Vice Chancellor for Academic Affairs** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **General Education Committee Chair (if applicable)** |  |

1. **Contact Person (Name, Email Address, Phone Number)**

Sarah Kendig, Dept. of Criminology, Sociology, and Geography, skendig@astate.edu, 870-972-3165

1. **Proposed starting term and Bulletin year for new course or modification to take effect**

Fall 2022; Bulletin year 2022-2023

**Instructions:**

*Please complete all sections unless otherwise noted. For course modifications, sections with a “Modification requested?” prompt need not be completed if the answer is “No.”*

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|  | **Current (Course Modifications Only)** | **Proposed (New or Modified)**  *(Indicate “N/A” if no modification)* |
| **Prefix** |  | SOC |
| **Number\*** |  | 6393 |
| **Title**  (include a short title that’s 30 characters or fewer) |  | Quantitative Analysis |
| **Description\*\*** |  | Introduction to quantitative analysis in social science research including the application of statistical concepts and analytic techniques using the SPSS statistical software program. Crosslisted as CRIM 6393. |

***\**** Confirm with the Registrar’s Office that number chosen has not been used before and is available for use. For variable credit courses, indicate variable range. *Proposed number for experimental course is 9*.

\*\*Forty words or fewer (excepting prerequisites and other restrictions) as it should appear in the Bulletin.

1. **Proposed prerequisites and major restrictions** **[Modification requested?**

(Indicate all prerequisites. If this course is restricted to a specific major, which major. If a student does not have the prerequisites or does not have the appropriate major, the student will not be allowed to register).

1. **Yes** Are there any prerequisites?
   1. If yes, which ones?

SOC 3383 or equivalent.

* 1. Why or why not?

Undergraduate statistics will provide basic knowledge of/exposure to statistical concepts and analyses that are essential to the foundational understanding of the concepts and analyses expanded upon in this graduate level course.

1. **No** Is this course restricted to a specific major?
   1. If yes, which major? Enter text...
2. **Proposed course frequency [Modification requested?**

(e.g. Fall, Spring, Summer; if irregularly offered, please indicate, “irregular.”) *Not applicable to Graduate courses.*

N/A

1. **Proposed course type [Modification requested?**

Will this course be lecture only, lab only, lecture and lab, activity (e.g., physical education), dissertation/thesis, capstone, independent study, internship/practicum, seminar, special topics, or studio? Please choose one.

Lecture and lab

1. **Proposed grade type [Modification requested?**

What is the grade type (i.e. standard letter, credit/no credit, pass/fail, no grade, developmental, or other [please elaborate])

Standard Letter

1. **No** Is this course dual-listed (undergraduate/graduate)?
2. **Yes** Is this course cross-listed?

*(If it is, all course entries must be identical including course descriptions. Submit appropriate documentation for requested changes. It is important to check the course description of an existing course when adding a new cross-listed course.)*

**a.** – If yes, please list the prefix and course number of the cross-listed course.

CRIM 6393

**b.** – **Yes** Can the cross-listed course be used to satisfy the prerequisite or degree requirements this course satisfies?

Enter text...

1. **No** Is this course in support of a new program?

a. If yes, what program?

Enter text...

1. **No** Will this course be a one-to-one equivalent to a deleted course or previous version of this course (please check with the Registrar if unsure)?

a. If yes, which course?

Enter text...

**Course Details**

1. **Proposed outline** **[Modification requested?**

(The course outline should be topical by weeks and should be sufficient in detail to allow for judgment of the content of the course.)

Week 1: Introduction to course

Review syllabus

Course rationale

Week 2: Measurement/types of variables

Reliability and validity

Basic descriptive statistics

Frequency distributions

Week 3: Measures of central tendency

Measures of dispersion

Week 4: LAB – application of weeks 2 & 3

Week 5: Z-scores

Standardized distributions

The normal curve

Week 6: Inferential statistics

Probability

Sampling distribution

Week 7: LAB – application of weeks 5 & 6

Week 8: Midterm Exam (weeks 2-7)

Week 9: Hypothesis testing

Chi-square

T-statistic

One-sample t-test

Two-sample t-test

Week 10: ANOVA/ANCOVA

MANOVA/MANCOVA

Week 11: LAB – application of weeks 9 & 10

Week 12: Bivariate correlation

Bivariate regression

Partial correlation

Week 13: Linear regression

Week 14: Linear regression

Week 15: LAB – application of weeks 12, 13, & 14

1. **Proposed special features** **[Modification requested?**

(e.g. labs, exhibits, site visitations, etc.)

None

1. **Department staffing and classroom/lab resources**

One faculty member

1. Will this require additional faculty, supplies, etc.?

No

1. **No** Does this course require course fees?

*If yes: please attach the New Program Tuition and Fees form, which is available from the UCC website.*

**Justification**

**Modification Justification (Course Modifications Only)**

1. Justification for Modification(s)

Enter text...

**New Course Justification (New Courses Only)**

1. Justification for course. Must include:

a. Academic rationale and goals for the course (skills or level of knowledge students can be expected to attain)

Required course for M.A. Criminal Justice and M.A. Sociology. Introduces students to fundamental statistical tools used in research in both subject areas. Students will learn to use statistical software widely used in the social sciences and perform preliminary data analysis. Students will be well-equipped to further take advanced data analysis courses during their graduate program.

b. How does the course fit with the mission of the department? If course is mandated by an accrediting or certifying agency, include the directive.

This course is an example of an applied approach to examining social science issues through an analytic lens. Concepts and techniques taught in this quantitative analysis course will allow students to critically think about, explore, and analyze topics/data that are important social concerns. Students will leave this course in a position of being a better producer and consumer of statistics, both in reading and critiquing others’ work, as well as appropriately conducting their own research.

c. Student population served.

M.A. Sociology students. It is also open to M.A. degree students outside of our department.

d. Rationale for the level of the course (lower, upper, or graduate).

This is a graduate-level course for M.A. students that builds on knowledge they acquired in their undergraduate statistics course.

**Assessment**

**Assessment Plan Modifications (Course Modifications Only)**

1. **Yes / No** Do the proposed modifications result in a change to the assessment plan?

*If yes, please complete the Assessment section of the proposal*

**Relationship with Current Program-Level Assessment Process (Course modifications skip this section unless the answer to #18 is “Yes”)**

1. What is/are the intended program-level learning outcome/s for students enrolled in this course? Where will this course fit into an already existing program assessment process?

Research Methods: A graduate with the MA in Sociology will be able to properly utilize research methods.

1. Considering the indicated program-level learning outcome/s (from question #19), please fill out the following table to show how and where this course fits into the program’s continuous improvement assessment process.

*For further assistance, please see the ‘Expanded Instructions’ document available on the UCC - Forms website for guidance, or contact the Office of Assessment at 870-972-2989.*

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| **Program-Level Outcome 1 (from question #19)** | Research Methods: A graduate with the MA in Sociology will be able to properly utilize research methods. |
| Assessment Measure | This program goal is not assessed within this class. The assessment measure is the M.A. student’s comprehensive exams or M.A. thesis; however, this class is the primary catalyst for meeting this program goal. |
| Assessment  Timetable | The last semester of the M.A. program. |
| Who is responsible for assessing and reporting on the results? | The thesis or comprehensive exam committee and the Graduate Assessment chair. |

*(Repeat if this new course will support additional program-level outcomes)*

**Course-Level Outcomes**

1. What are the course-level outcomes for students enrolled in this course and the associated assessment measures?

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| **Outcome 1** | M.A. students will successfully learn fundamental statistical analyses and be able to utilize a statistical software program, SPSS. |
| Which learning activities are responsible for this outcome? | Lab assignments  In-class statistical exercises and writing |
| Assessment Measure | Assessment measures include the midterm and final. |

*(Repeat if needed for additional outcomes)*

**Bulletin Changes**

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| **Instructions** |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Please include a before (with changed areas highlighted) and after of all affected sections.**  **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.** |

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**For integration of course into MA in Sociology, see separate proposal.**

**CURRENT**

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**SOC 6323. Applied Research** Advanced techniques for analyzing social science data using the Statistical Package for the Social Sciences and other data analysis systems. Prerequisites, SOC 3383 and SOC 4293.

**SOC 6343. Methods of Social Research** An examination of the logic of scientific inquiry and some commonly used research techniques in sociology with applications to selected examples of sociological research. Crosslisted as CRIM 6343.

**SOC 6353. Qualitative Methods of Social Research** An introduction to the use of intensive interviewing, participant observation, narrative analyses, and related ethnographic techniques in sociological research.

**SOC 6363. Environmental Sociology** Advanced analysis of the social construction of attitudes toward nature and the environment and of actions to reduce humans’ ecological footprint. Prerequisite, instructor permission.

**SOC 6373. Sustainable Developments in Modern Society** In-depth treatment of issues in sustainable development, such as development paradigms, human-environment interactions, and politics on local, national, and international scales. Prerequisite, instructor permission.

**SOC 6383. Advanced Data Analysis** Assumptions, principles, and applications of ordinary least squares and logistic regression techniques including the basic model, dummy variables, and special functional forms. Emphasis on data acquisition, management, analysis, and report writing in sociological practice. Prerequisite, SOC 3383 or equivalent (PSY 3103, STAT 3233, ECON 2113, POSC 3003). Crosslisted as CRIM 6383.

**SOC 6393. Quantitative Analysis** Introduction to quantitative analysis in social science research including the application of statistical concepts and analytic techniques using the SPSS statistical software program. Crosslisted as CRIM 6393.Prerequisite, SOC 3383 or equivalent.

**SOC 6413. Seminar in the Family** This course is oriented toward contemporary theory and research dealing with family structure and change.

**SOC 6423. Seminar in Race, Gender and Class** Introduce perspectives, methods, concepts and general findings of sociologists as they apply to race, gender and class. Application of sociological framework to analyze social difference, inequality, power, and resistance.

**SOC 6433. Sociology of Aging** Intensive treatment of theories, methodologies, concepts and major research findings regarding the aging of individuals and societies, using the U.S. as a central example.

**SOC 6443. Geographic Information Systems for the Social Sciences** Advanced analysis of social and environmental geographic data, including geographic data, maps, and applied geographic analysis.

**SOC 6453. Sociology of Youth Subcultures** Advanced study of youth subcultures from American, British, and new sub cultural perspectives, plus a range of historical and contemporary youth subcultures. Topics include: identity, resistance, style, music, and consumption.

**SOC 6653. Special Topics** Advanced study in a particular area of sociological inquiry. Topic varies. May be repeated for credit when topic changes.

**SOC 670V. Thesis**

**SOC 680V. Independent Study**

**PROPOSED**

p. 373

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