1. Catalog Description

(a) Course number: FCS 4440
(b) Title: Undergraduate Research
(c) Meeting times and Credit: Arr. Arr. 1-3
(d) Term(s) to be offered: On Demand
(e) Short title: Undergrad Res
(f) Course description: This course provides the opportunity for undergraduate students to perform individualized laboratory or theoretical research in collaboration with a faculty member.

(g) Prerequisite: Cumulative GPA of 2.50; at least junior status and permission of supervising faculty member. May be repeated for a maximum of 6 credits.

(h) Initial term of course offering: Fall 2006

2. Student Learning Objectives and Evaluation

(a) Learning Objectives: The learning objectives for this course will be determined in collaboration with the supervising faculty member and selected from the following depending on credit hours.
   Undergraduate: Upon completion of this course students will:
   1. differentiate among research methods and approved testing methods
   2. conduct a literature review within the selected research area,
   3. design a research project in collaboration with the faculty member,
   4. collect and analyze data in collaboration with the faculty member,
   5. evaluate applications of research findings
   6. disseminate research results to an appropriate audience.

(b) Student evaluation: Student achievement of the objectives will be determined by the following:
   - Objective 1: (differentiate among research methods and approved testing methods) Review research methods and standard testing methods
   - Objective 2: (conduct a literature review within the selected research area) Write literature review
   - Objective 3: (design a research project in collaboration with the faculty member) Identify research topic, proposal and final project
• Objective 4: (collect and analyze data in collaboration with the faculty member) Data collection and analysis
• Objective 5: (evaluate applications of research findings) Research paper or poster presentation that reports findings and applications
• Objective 6: (disseminate research results to an appropriate audience) Research paper/poster presentation that reports of findings applications

Students will be evaluated using the following categories. Percentages will be determined by the supervising faculty member.

- Review research methods and standard testing methods 10%
- Write literature review 10-15%
- Identify research topic, proposal and final project 10%
- Data collection and analysis 30-40%
- Research paper or poster presentation that reports findings and applications 30-40%

(c) This course will be arranged in consultation with the supervising faculty member(s).
(d) Course number is 4440 for undergraduates meeting the prerequisites.
(e) This course will be writing active with a variety of assignments determined by the collaborating faculty member including the written literature review, documenting results and preparing the final report.

3. Outline of the Course
(a) Specify units of time: The course will be offered in Arr. Arr. 1-3 format. Laboratory and theoretical research will be conducted under the supervision of a faculty member and will be arranged.

Course Outline would be arranged by the supervising faculty members as follows:
I. Review of research and testing methods
II. Conduct a literature review
III. Identify research topic, proposal and methods
IV. Data collection
V. Analyze research data
VI. Write research report including application of findings for professional entities

4. Rationale
(a) Purpose and Need:
This course will encourage undergraduate students to engage in research and collaborate with a faculty member in a specific area of study. There is no designated course for FCS undergraduates outside the Honors College.
(b) Justification of the level of the course prerequisites: FCS 4440 Undergraduate Research level is appropriate because of the complexities of research and the requirement to select a focus area for continued study.
(c) Similarity to existing courses:
This course has a clearly defined research component working under the supervision of a faculty member(s) that is not included in FCS 3750 Independent Study. Similar courses are in other schools and departments at Eastern Illinois University.

(d) Impact on Program:
(1) This course will be offered as an elective course for Eastern Illinois University students.
(2) N/A

5. Implementation
(a) Implementation: this course will be assigned to School of Family and Consumer Sciences faculty member who is conducting research and matches the interests of the student(s)
(b) Additional Costs to Students: no additional costs
(c) Texts: Varied depending on the research focus and supervising faculty member

6. Community College Transfer
There is no community college course that is equivalent.

7. Date approved by the School of Family & Consumer Sciences Curriculum Committee 12/5/2005

8. Date approved by the LCBAS Curriculum Committee 1/20/2006

9. Date approved by CAA 2/2/2006