COURSE DESCRIPTION

Department and Course Number  CS 499  Course Coordinator  Bethard
Course Title  Senior Capstone  Total Credits  3
Contact Hours  37.5 hours

Current Catalog Description
In this course, students will discuss topics relating to ethics in Computer Science. In a software engineering project, students will work in a team to put to practice principles and techniques that they have acquired throughout the undergraduate curriculum. A series of lectures on key topics in Computer Science given by faculty members and guest lecturers will round out the course. Students take the Major Field Test in Computer Science as a requirement for completing this course.

Textbook

References  None

Course Outcomes
1. Ability to apply principles of ethical analysis to computer and technology topics
2. Ability to write critical analyses of technical topics
3. Ability to give professional oral presentations with technical content
4. Ability to collaborate in a team to solve computer science problems

Relationship between Course Outcomes and Program Outcomes D,E,G,H,K

Prerequisites by Topic: Permission of instructor. Students should be CIS majors in their last semester of undergraduate study.

Required/Elective: Required

Major Topics Covered in the Course
1. Foundation of ethics
2. Professional ethics codes (i.e., ACM Code of Ethics)
3. Current topics relating to ethics in Computer Science
4. Applied software engineering methods
5. Lecture series on key topics in Computer Science

Laboratory projects (specify number of weeks on each): None