CSCI 4270 – SENIOR DESIGN II

CREDIT HOURS: 2
PREREQUISITES: CSCI 4260.
GRADE REMINDER: Must have a grade of C or better in each prerequisite course.

CATALOG DESCRIPTION

Implementation, testing, and delivery of a software system. Ethical concerns and considerations in the field of Computer Science.

PURPOSE OF COURSE

The purpose of this course is to allow the students to implement a full software system based on the requirements and design documents for customers’ system. In addition to implementing the system, the students will learn how to test the system and deliver it. Students will have to present and deliver the software system to the customer(s). Ethical concerns and considerations will be presented and students will have to apply ethical viewpoints on local and global impacts of computing solutions regarding individuals, organizations, and society.

EDUCATIONAL OBJECTIVES

Upon successful completion of the course, students should be able to:

1. Examine topics in Computer Science through different ethical theories.
2. Implement a previously designed system.
3. Develop test data and conduct testing for a software system.
4. Present and deliver a completed system.
5. Construct and deliver user and installation manuals for the system.

COURSE CALENDAR

This course meets for a minimum of 30 contact hours during the semester. Students have significant weekly assignments. Students are expected to conduct customer meetings, complete design assignments, and make a presentation of the completed design. Successful completion of these activities requires at a minimum four additional hours of outside of classroom work each week.

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