CSCI 4260 – SENIOR DESIGN I

CREDIT HOURS: 2
PREREQUISITES: CSCI 3323; CSCI 3321 or CSCI 3331; department chair approval.
GRADE REMINDER: Must have a grade of C or better in each prerequisite course.

CATALOG DESCRIPTION

Design and fully realized software system for a customer. Requirements elicitation, project management, software design, and professional development.

PURPOSE OF COURSE

The purpose of this course is to familiarize the students with the experience of building full software systems. The students will start with a need from a customer and begin the process to build the system. Students will become familiar with gathering requirements for a system, planning the project from beginning to end, and documenting the design of the system. The students will learn professional skills through interacting directly with a customer.

EDUCATIONAL OBJECTIVES

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

1. Interact with a real customer working on a real project.
2. Write an SRS describing the requirements of the system.
3. Write a project outline for the entire process.
4. Write a Design document detailing the design of 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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Backend Design

TOTAL 30