

### CSCI 4326 – SENIOR DESIGN

**CREDIT HOURS:** 3  
**PREREQUISITES:** CSC 3323; Senior Status

#### CATALOG DESCRIPTION

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

#### PURPOSE OF COURSE

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, documenting the design, and implementation 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.
5. Implement a previously designed system
6. Test a software system
7. Present and deliver the system

<b>CONTENT</b>	<b>HOURS</b>
Interaction with the customer(s) .....	5
Project timeline and schedule .....	5
System Requirements Specification (SRS).....	5
Requirements elicitation and refinement	
System Design .....	5
Architectural Design	
Interface Design	
Backend Design	
Implementation .....	10

Testing.....	10
Presentation of final product and delivery .....	5
	TOTAL 45