Course number and name:	CS 04400: Computer Science Senior
	Project
Credits and contact hours:	3 credits / 3 contact hours
Faculty Coordinator:	Ganesh Baliga
Text book, title, author, and year:	N/A

Specific course information

Catalog description:	This is an advanced programming course in which students work on large-scale individual or team programming projects, and make a formal presentation on their work. The course discusses program development, methodologies and strategies.	
Prerequisites:	CS04315 Programming Languages and CS07340 Design and Analysis of Algorithms	
Type of Course:	\boxtimes Required \square Elective \square Selected Elective	

Specific goals for the course

- 1. Students have worked in a team to specify, analyze, design, implement, test and document and complex software system.
 - ABET (b) An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution
 - ABET (c) An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs
 - ABET (d) An ability to function effectively on teams to accomplish a common goal
 - ABET (i) An ability to use current techniques, skills, and tools necessary for software system development
 - ABET (k) An ability to apply design and development principles in the construction of a complex software system
- 2. Students have demonstrated and presented a software system to a technical audience.
 - ABET (f) An ability to communicate effectively with a range of audiences

Required list of topics to be covered

1. None

Optional list of topics that could be covered

- Mobile app development
 RESTful APIs
- 4. Web-based applications