Course Description

The objective of the course is to cover topics in developing reliable software including programming, testing, bug finding, verification, and methodologies for constructing robust code. The software development process: user requirements, specifications, design, coding, testing, maintenance, documentation and management. Students work in teams to develop large software projects.

The course focuses on practical knowledge of Software Engineering processes.

Project work:

1. You are required to develop a large software project.
2. Heavy coding.
3. Automation and Manual testing
4. Mandatory design pattern, Singleton and MVC.
5. Agile Methodology

Syllabus


Grades Split up

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References: [Recommended not mandatory]

1. Mastering the requirement process
2. Software testing and Analysis
3. Head first design patterns
4. Code complete second version