Course Overview

In this software engineering course we study how software systems are created by teams of people that may span organizations and even the globe. Successful completion of any software project requires the problem be solved within the estimated time and budget. Historically more projects have failed than succeeded. In COMP180 we study why this has been the case and how modern software engineering methods and tools can be applied to improve confidence in completing the project on time and within budget. We’ll study software management techniques and tools, requirements elicitation and analysis, software architecture, software development methodologies, and software testing. This course is a must for anyone planning to take a job in software development, planning to manage software projects, or do research in software development or engineering.

Prereq: COMP80 or instructor consent, Prereq for: COMP190

Learn to:
- Elicit and Analyze project requirements
- Use team management tools
- Deal with issues of distributed software development
- Understand pros and cons of different software development methodologies
- Identify and use appropriate design patterns
- Use configuration management
- Use best practices in software documentation
- Test large software

Calling all LA CS Majors

Are you planning to
- Apply for jobs that involve software development?
- Manage software projects?
- Acquire Software?
- Do research in software development or engineering?
- Take COMP190?