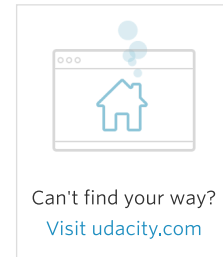


Software Architecture and Design

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CS6310: Georgia Tech OMSCS Course Information



Instructors

- [Spencer Rugaber](#) (Professor)
- [Jarrod Parkes](#) (Course Developer)

Description

This course teaches the principles and concepts involved in the analysis and design of large software systems. After completing the course a student should have obtained the skills and knowledge necessary to accomplish the following:

- Express the analysis and design of an application using UML
- Specify functional semantics of an application using OCL
- Specify and evaluate software architectures
- Select and use appropriate architectural styles
- Understand and apply object-oriented design techniques
- Select and use appropriate software design patterns
- Understand and perform a design review

Prerequisites

An undergraduate software engineering course or industrial software development experience is required.

How This Course Works

- [How This Course Works](#)

Class Policies

- Students are expected to abide by the [Georgia Tech Honor Code](#) and academic policies as specified in the [Georgia Tech Catalog](#)
 - Honest and ethical behavior is expected at all times
 - All incidents of suspected dishonesty will be reported to and handled by the Office of Student Affairs
 - You are to complete all assignments yourself, unless the assignment instructions explicitly state otherwise
 - You may discuss the assignments with your classmates, but you may not copy any solution (or part of a solution) from a classmate
- Readings should be completed before the lesson for which they are listed
- All assignment and project policies, due dates, and submission information will be listed on [T-Square](#)
- Any changes to these policies and other course announcements will be posted on [T-Square](#), which you are expected to read

- If you have any questions concerning a grade that you received in this course, first contact the teaching assistant who graded it
- All submitted (non-source file) documents should conform to the [CS6310 Writing Guidelines](#).

Course Schedule

- [Course Schedule](#)

Resources

- [Class Resources Page](#)

Frequently Asked Questions

- [Frequently Asked Questions](#)

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