SE 201

Software Development I

**Course Credit**

(4) This course meets twice per week in lecture, combining approximately 80 hours of instruction, online activities and assignments for 4 credits.

**Pre-requisites**

CS 162

**Description**

Introduction to collaborative software development of larger, object-oriented systems. Overview of software architecture, and the tools, principles and practice of modern software development.

**Content**

TODO

**Learning Outcomes**

1. Create software application solutions that solve customer-defined problems and meet user requirements.
2. Analyze a problem domain to create appropriate abstractions.
3. Apply software engineering design principles and practice writing high-quality code.
4. Assess the maintainability and quality of code, and apply basic refactoring techniques.
5. Practice using tools to facilitate the implementation of software applications.
6. Discover and explain the features of third-party libraries and services; and integrate third-party APIs into a software system.
7. Work in a team to design a moderately-sized software system.
8. Define the terminology and describe the basic concepts of software architecture.

**Evaluation of Student Performance**

In the OSU online catalog, refer to [AR 18 and AR 19](http://catalog.oregonstate.edu/ChapterDetail.aspx?key=75#Section2886) regarding assignment of grades

**Learning Resources**

TODO

**Statement Regarding Students with Disabilities**

Accommodations for students with disabilities are determined and approved by Disability Access Services (DAS). If you, as a student, believe you are eligible for accommodations but have not obtained approval please contact DAS immediately at 541-737-4098 or at [http://ds.oregonstate.edu](http://ds.oregonstate.edu/). DAS notifies students and faculty members of approved academic accommodations and coordinates implementation of those accommodations. While not required, students and faculty members are encouraged to discuss details of the implementation of individual accommodations.

[**Statement of Expectations for Student Conduct**](http://oregonstate.edu/studentconduct/offenses-0)