

# Elements of Software Engineering (CS 300)

## Winter 2013

### Course Objective:

- To study techniques for software development from problem specification through design, implementation, testing, and maintenance

### Class Homepage:

- In D2L

### Instructor:

- **Chris Gilmore**
- **Office:** FAB 120-01
- **Email:** [grimjack@pdx.edu](mailto:grimjack@pdx.edu)

### Office Hours:

- The hour before class and by appointment

### Prerequisites:

- Programming skills (CS 161, 162, 163, and 202) in a high level language

### Meeting Time and Location:

- Monday/Wednesday 18:40-20:30PM, Cramer Hall 401

### Textbooks:

- **Required:** Ian Sommerville, Software Engineering 10<sup>th</sup> Ed., Addison-Wesley.

### Grading:

- **Exams:** 40%
  - Midterm & Final.
- **Term project:** 40%
  - The term project will be an individual software development project.
  - The term project will be announced in January 13<sup>th</sup>.
  - Due Days:

- Requirement Document Due: January 27<sup>th</sup>
- Design Document Due: February 10<sup>th</sup>
- Test Plan Due: February 24<sup>th</sup>
- Project Report and Final Deliverables: March 13<sup>th</sup>
- **Homework assignments:** 15%
- **Class participation and popup quizzes:** 5%
  - Popup quizzes may be given at the beginning or the end of each lecture.

### **Homework Policies:**

- **Submission Policy:**
  - Each assignment must be submitted electronically in word or pdf format by 11:59PM on due day.
  - Each submission must contain the name, email address, and ID of the student, the assignment number, and the date and time of the submission.
- **Late Policy:**
  - Each student has three late days that they can use during the quarter with no penalty (one assignment three days late, or three assignments one day late, etc.). Once late days are used up, no credit will be given for late assignments.
- **Collaboration Policy:**
  - You are encouraged to discuss homework problems with your classmates. However, everyone must write up his or her own solution sets. Furthermore, any collaboration must be acknowledged by writing the names of your collaborators on the front page of the assignment. Copied assignments or code, or unacknowledged collaboration will be considered academic misconduct, an ethical breach of trust, and I will deal with such cases harshly.

### **Class Schedule:**

- The class schedule can be found in D2L, in the Course Content area.

### **Academic Integrity:**

- Academic misconducts will be handled according to the rules of the Department of Computer Science, Maseeh College of Engineering and Computer Science, and Portland State University.

### **Access and Inclusion for Students with Disabilities:**

- PSU values diversity and inclusion; we are committed to fostering mutual respect and full participation for all students. My goal is to

create a learning environment that is equitable, useable, inclusive, and welcoming. If any aspects of instruction or course design result in barriers to your inclusion or learning, please notify me. The Disability Resource Center (DRC) provides reasonable accommodations for students who encounter barriers in the learning environment.

- If you have, or think you may have, a disability that may affect your work in this class and feel you need accommodations, contact the Disability Resource Center to schedule an appointment and initiate a conversation about reasonable accommodations. The DRC is located in 116 Smith Memorial Student Union, 503-725-4150, [drc@pdx.edu](mailto:drc@pdx.edu), <https://www.pdx.edu/drc>.
  - If you already have accommodations, please contact me to make sure that I have received a faculty notification letter and discuss your accommodations.
  - Students who need accommodations for tests and quizzes are expected to schedule their tests to overlap with the time the class is taking the test.
  - For information about emergency preparedness, please go to the [Fire and Life Safety webpage](https://www.pdx.edu/environmental-health-safety/fire-and-life-safety) (<https://www.pdx.edu/environmental-health-safety/fire-and-life-safety>) for information.

### **Harassment/Discrimination:**

Portland State is committed to providing an environment free of all forms of prohibited discrimination and sexual harassment (sexual assault, domestic and dating violence, and gender or sex-based harassment and stalking). If you have experienced any form of gender or sex-based discrimination or sexual harassment, know that help and support are available.

Information about PSU's support services on campus, including confidential services and reporting options, can be found on PSU's Sexual Misconduct Prevention and Response website at: <http://www.pdx.edu/sexual-assault/get-help> or you may call a confidential IPV Advocate at 503-725-5672 or schedule Online at <https://psuwrc.youcanbook.me>.

You may report any incident of discrimination or discriminatory harassment, including sexual harassment, to:

- PSU's Title IX Coordinator: Julie Caron by calling 503-725-4410, via email at [titleixcoordinator@pdx.edu](mailto:titleixcoordinator@pdx.edu) or in person at Richard and Maureen Neuberger Center (RMNC), 1600 SW 4<sup>th</sup> Ave, Suite 830
- Deputy Title IX Coordinator: Yesenia Gutierrez by calling 503-725-4413, via email at [yesenia.gutierrez.gdi@pdx.edu](mailto:yesenia.gutierrez.gdi@pdx.edu) or in person at RMNC, 1600 SW 4<sup>th</sup> Ave, Suite 830
- Deputy Title IX Coordinator: Dana Walton-Macaulay by calling 503-725-5651, via email at [dana26@pdx.edu](mailto:dana26@pdx.edu) or in person at Smith Memorial Union, Suite, 1825 SW Broadway, Suite 433

Please be aware that all PSU faculty members and instructors **are required to report** information of an incident that may constitute prohibited discrimination, including sexual harassment and sexual violence. This means that if you tell me about a situation of sexual harassment or sexual violence that may have violated university policy or student code of conduct, I have to share the information with my supervisor, the University's Title IX Coordinator or the Office of the Dean of Student Life. However, the Title IX Coordinators will keep the information confidential and refer you to a confidential advocate.

For more information about Title IX please complete the required student module [Creating a Safe Campus](#) in your D2L.