

Policies and Procedures

CS 230 -- Fall 2019

Introduction to Software Engineering

Lab TR 6:30 - 8:20pm, AER-E 137

Lecture TR 11:00 - 12:15pm, ESB 801

Instructor: Aaron Saas

Email: (checked often) asaas@mix.wvu.edu

Office: AER-E 244

Office Hours:

- TR - After class & before lab
- others by appointment

Text: Object Oriented Software Engineering: An Agile Unified Methodology by David Kung.
ISBN:978-0-07-3376257

Pre-requisite: CS 111, minimum grade of C.

Grading: The requirements for this class will be a midterm and final exam, a group project, assignments, attendance, and assigned work for lab. The breakdown of percentages is as follows:

- Midterm Exam 20%
- Final Exam 20%
- Group Project 20%
- Lab Grade 20%
- Assignments 10%
- Attendance 10%

THERE WILL BE NO MAKEUP EXAMS without prior approval.

Letter Grades will be assigned as follows:

- 90%-100% A
- 80%-89% B
- 70%-79% C
- 60%-69% D
- < 60% F

Attendance: Attendance is mandatory. All students are responsible for all material covered during lectures and/or assigned to be done outside of class. An attendance sheet will **occasionally** be passed around which will be used for calculating the attendance portion of your grade.

Late Assignments: No assignment will be accepted late under any circumstances without prior authorization, turn in whatever is done at the due date/time...partial credit is better than none.

Course Objectives: The objectives of this course are to present techniques and methodologies of software engineering: requirements elicitation, writing requirements specifications, requirements analysis, design concepts, quality assurance and testing throughout the software lifecycle. The semester project will provide students with the opportunity to work in teams to gather and analyze requirements, and write specifications for a realistic software project.

Expected Learning Outcomes

1. Acquire knowledge of the software process, life cycle models, and process improvement techniques and standards
2. Be able to apply various requirement elicitation techniques
3. Be able to write and validate requirements specifications
4. Develop skills to communicate and work effectively as a team
5. Be able to perform structured and object oriented analysis.
6. Acquire knowledge of structured and object oriented design.
7. Learn various techniques of execution and non-execution based testing, and be able to apply non-execution based testing techniques to the validation and verification of requirements.

Academic Dishonesty:

All work, except for the group project, is to be done on an INDIVIDUAL basis. Evidence to the contrary will be regarded as academic dishonesty and will be dealt with swiftly and decisively. The integrity of the classes offered by any academic institution solidifies the foundation of its mission and cannot be sacrificed to expediency, ignorance, or blatant fraud. Therefore, I will enforce rigorous standards of academic integrity in all aspects and assignments of this course. For the detailed policy of West Virginia University regarding the definitions of acts considered to fall under academic dishonesty and possible ensuing sanctions, please see the Student Conduct Code at <http://catalog.wvu.edu/undergraduate/coursecredittermsclassification/>. Should you have any questions about possibly improper research citations or references, or any other activity that may be interpreted as an attempt at academic dishonesty, please see me before the assignment is due to discuss the matter.

Be aware there is now an electronic system set up to track cheating among different departments in the University. Repeated violations will have significant consequences.

Inclusivity Statement:

The West Virginia University community is committed to creating and fostering a positive learning and working environment based on open communication, mutual respect, and inclusion.

If you are a person with a disability and anticipate needing any type of accommodation in order to participate in this class, please advise me and make appropriate arrangements with the Office of Accessibility Services (293-6700).

For more information on West Virginia University's Diversity, Equity, and Inclusion initiatives, please see <http://diversity.wvu.edu>.