

CSS 360, Software Engineering, Spring 2008

Monday/Wednesday 5:45-7:50 pm UW2-131

Instructor: Frank A. Cioch, Professor (pronounced sī'ōch) <http://faculty.washington.edu/cioch/>

- ✓ Office: UW2-310
- ✓ Telephone: 425-352-5495
- ✓ E-mail: cioch@u.washington.edu
- ✓ Office Hours: Before class and by appointment.

Course Catalog Description: Surveys the software engineering processes, tools, and techniques used in software development and quality assurance. Topics include life-cycle models, process modeling, requirements analysis and specification techniques, quality assurance techniques, verification and validation, testing, project planning, and management.

Course Prerequisites:

CSS 301, which may be taken concurrently; either CSS 263, CSS 341 or CSS 342 which may be taken concurrently; may not be repeated.

Required Textbook:

Software Engineering, 6th ed., Roger S. Pressman, McGraw-Hill, 2005. **Please bring your textbook to class for in-class exercises.**

Pressman *Software Engineering* web page URL:

http://highered.mcgraw-hill.com/sites/0072853182/student_view0/

Pressman *Software Engineering* Professional Resources page, accessible from the home page:

http://highered.mcgraw-hill.com/sites/0072853182/student_view0/professional_resources.html

Required electronic reserve readings may be assigned. <http://eres.uwb.edu/>

Course Outline (subject to change):

Topic	Pressman Chapters	Approx. # of classes
Introduction: What is Software Engineering?	1, 2, 5	4
Software Engineering Processes and Life Cycles	3, 4	4
Software Project Management	25, 27	2
Requirements Engineering and Design	6, 7, 8, 9	4
Software Process and Product Quality	26, 13, 14	4
Wrap up: Looking Ahead	32	1

Course Requirements:

- ❖ Assignments (papers) 65 %
- ❖ Term Project (application of course concepts to a case study) 35 %

Assignments Requirements:

Some of the course Assignments will be done in groups. You can have different partners for different Assignments. For each Assignment, I expect that each student in the group will get the same grade, but

in unusual circumstances a group will be given an opportunity to provide feedback to me if individual contributions vary **outside the norm** and differential grading becomes an issue.

Term Project Requirements:

The Course Term Project, a case study that will give you an opportunity to apply the concepts covered in class, will be done in groups. Each group member will be given an opportunity to provide feedback to me regarding the relative contributions of each of the group members. I will use this collective feedback when assigning term project grades to individual group members.

Grading:

For each deliverable, I will give a single letter grade. I transform this letter grade to a grade on the 0.0–4.0 scale using the scale:

[A+ = 4.3]*	A = 4.0;	A- = 3.7;	* I give grades > 4.0 on deliverables.
B+ = 3.3;	B = 3.0;	B- = 2.7;	
C+ = 2.3;	C = 2.0;	C- = 1.7;	
D+ = 1.3;	D = 1.0;	D- = 0.7;	

Your course grade is a weighted average of your grades on all course deliverables.

Late Policy:

Deliverables must be completed on the specified due date unless **prior arrangements** are made with me.

The late penalty for all deliverables is one letter grade per class period. If you hand your deliverable at any time between the due date and the next class you will receive a maximum grade of B+ (3.3). Those received any time between that class and the next class would receive a maximum grade of C+ (2.3).

Student Conduct; Plagiarism and Cheating:

You are expected to provide original work based on your own effort for this course. You will receive a zero for any coursework for which you are discovered cheating or plagiarizing. You will be referred to the University for further action.

It is your responsibility to know and uphold the *Student Conduct Code for the University of Washington*, available at <http://www.uwb.edu/students/policies/>

Special Needs:

If you believe that you have a disability and would like academic accommodations, please contact Disability Support Services at 425.352.5307, 425.352.5303 TDD, 425.352.5455 FAX, or at dss@uwb.edu. You will need to provide documentation of your disability as part of the review process prior to receiving any accommodations.