CSC 331/631
Object-Oriented Software Engineering
T Th 12:00 - 1:15pm, Spring 2007, West Hall 024

Instructor

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Course

Textbook:
Introduction to Software Engineering Design, by Christopher Fox

Grading:

2 Tests	26%
Homework	19%
Project	30%
Final exam	20%
Attendance	5%

Graduate students registered in CSC 631 will be expected to do additional exercises, presentations, and/or papers. The exercises required only of graduates students will be marked with an asterisk in the homework instructions.

Test and the Final Exam: A test will be administered during class before Spring break. The test will cover the material from the lectures, homework assignments, and the assigned readings. All tests and final exam will be closed book. Make-up tests will be administered only if excused *in advance*.

Homework: Homework will be assigned weekly or bi-weekly during the semester. **Late homework will be accepted with 20% of the grade deducted per day.**

Attendance: Regular attendance is expected.

Academic Integrity: All tests, programs, and homework are to be done independently by each student, except for pre-specified group projects. Copying of partial or complete work will not be tolerated and will be referred to the University Judicial System. Do not throw away or recycle any notes until the end of the semester. Should a question of authorship arise you will be expected to produce hand-written and printed documents that trace the development of your work.

Special Needs: If you have a disability that may require an accommodation for taking this course, then please inform Professor Pauca and contact the Learning Assistance Center (758-5929) within the first two weeks of the semester.

Course Plan in the Event of Closure of the University: In the event that the University closes due to pandemic or other disaster, the course will be continued through the internet or by postal mail, if the former is not available. Professor Pauca will distribute class notes, weekly lab material, and homework through the course webpage (www.cs.wfu.edu/ pauca/csc331-631) or by postal mail in the case of internet service failure. Class notes will contain extensive lecture material as well as short exercises designed to test the students comprehension of the material. Office hours will be held through the internet using either Skype (wspauquitas), AIM (paulpauca) or iChat (paulpauca). Students will be required to turn in assignments electronically using Blackboard or by postal mail to: Paul Pauca, 615 Woodbriar Ct, Winston-Salem, NC 27106. Examinations will be distributed by internet, email, or postal mail, as needed. Return date and time for examinations will be clearly specified. In addition Professor Pauca will be accesible by email through any of the following addresses: `paucavp@wfu.edu`, `paulpauca@gmail.com`, and `pauca@mac.com`.

Lecture Schedule

The following is the tentative lecture schedule for this course. Dates and topics may change during the semester!

Date	Lecture	Chapter
1/18	Introduction to software design	1
1/23	Life cycle and engineering design methods	1
1/25	Software design processes and UML activity diagrams	2
1/30	Design processes and design management	2
2/1	Context of software product design, product design analysis	3-4
2/6	Product design resolution	5
2/8	Designing with Use Cases	6
2/13	More on Use Cases	6
2/15	**Test 1**	
2/20	Engineering design analysis	7
2/22	Modeling with UML class and object diagrams	7
2/27	Engineering design resolution activities	8
3/1	Engineering design resolution principles	8
3/6	Architectural design	9
3/8	Architectural design resolution	10
3/20	Static object-oriented design with UML diagrams	11
3/22	Static object-oriented design with UML diagrams	11
3/27	Dynamic object-oriented design with UML diagrams	12
3/29	Review	11
4/3	**Test 2**	
4/5	Mid-level stated-based design	13
4/10	Low-level design	14
4/12	Low-level design	14
4/17	Patterns in software design	15
4/19	Patterns in software design	15
4/24	Patterns in software design	
4/26	Project presentation	
5/1	Review	
5/10	**Final exam at 2:00 pm**	