

University of the Philippines Los Banos
Institute of Computer Science
CMSC 128 – Introduction to Software Engineering
2nd Semester SY 2015 – 2016

Course Credits: 3.0 units

Course Description: Software lifecycle from the requirements specification and design phases through the construction of actual software; topics include planning a software project, cost-estimation, software design, implementation and software maintenance

Hours per week: 5 hours per week (3 hours laboratory and 2 hours lecture)

Course Prerequisite: CMSC 123

Week	Topic	Take Home Activity
1	Introduction to course and lab policies Mini Game Introduction to Version Control (Git and Github) Introduction to Dev Documents (Use Case, Activity, Class Diagram, Gantt Chart, Burndown Chart, SRS)	Read about Git and Github Read about common conventions in programming Create a resume
2	Exploring Git and Github and Basic Programming Conventions Submit your resume <i>Interview Session 1</i>	Read about the Agile Development Methodology
3	The Software Dev't Cycle / Agile Development Model <i>Interview Session 2</i>	Read about Wireframing, Prototyping and Dev Tools
4	Wireframing, Prototyping and Dev Tools <i>Interview Session 3</i>	Read about test plan
5	Test Plan and Software Tests Groups are named	Project detail is given; Groups should start creating the SRS and other documents, create one project repo, and divide features
6	Team building (1 ½ hours) Use remaining time to create documents	Groups must be able to submit document within the week for quick evaluation
7	Documentation SRS	
8	Coding Cycle 1	
9	Coding Cycle 2 Present Milestones of CC1	
10	Coding Cycle 2	
11	Coding Cycle 3 Present Milestones of CC2	
12	Coding Cycle 3	
13	Individual Lab Examination	
14	Test Other group's work	
15	Fixups for group's project to address evaluation from other groups	
16	Final Project Presentation (Project presentation is done in the lab and also in the lecture)	

Laboratory Instructors

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Grading Scheme (50% Lecture – 50% Laboratory)

*^ Fully Working Deployable Project	15%
^Documents submitted	10%
Individual Laboratory Exam	10%
Project Presentation	5%
Interview	5% (1.5% Resume, 1.5% Tech Questions, 1% Non-tech Questions, 1% Attire)
Quizzes/Exercises	5%
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50%	

*A group who will not be able to present a working fully deployable project will be marked INC provided that the total grade from both the lecture and lab is passing.

^ 40% of the grade will be subjected to Peer Evaluation

Laboratory Policies

1. Standard laboratory policies apply. The policy includes but not limited to (1) no eating and drinking within the laboratory premises and (2) no intentional or malicious damage or manipulation done on the equipments within the laboratory.
2. Students are encouraged to bring their own laptops to keep their works confidential from other groups.
3. Team Leaders (TL) and Project Managers (PM) are requested to bring to the attention of your respective groups non-participating members as soon as possible.
4. A student who commits more than three absences will automatically get a grade of five (5.0) due to excessive absences. No if's or but's.
5. Students are reminded of the university motto: Honor and Excellence. Students who practice plagiarism and perform any form of academic dishonesty will be given a grade of zero for the activity when the incident happened. Likewise, the instructors have the option to elevate the case to the Student Disciplinary Tribunal.
6. Students should always take note of the requirements per week.
7. Deadlines are deadlines. If it's late, it's late. Don't try submitting. We will not check anyway. Learn to manage your time and submit early. Exception to this rule is when there are cancellation of classes.
8. Read in advance. Do things in advance.
9. Quizzes may be given during classes with or without prior notice. A student who fails to take a quiz due to tardiness or unexcused absence shall be given a *grade of zero (0)* for the missed quiz.
10. Missed exercises or quizzes due to any valid excuse will be cancelled from the total number of exercises or quizzes. Otherwise, the student will get a *grade of zero (0)* for the missed activity.