EECE 310 - Term 1 - 2014
Software Engineering

Classes: M/W/F, 13:00-14:00 in MacLeod 202

Instructor

Dr. Ali Mesbah:	`http://ece.ubc.ca/~amesbah/`
E-mail:	`amesbah@ece.ubc.ca` (*All emails should have EECE 310 in subject*)
Office:	KAIS 4044
Office Hours:	Thursday 15:30—16:00 (or by appointment)

Teaching Assistants

- Keheliya Gallaba, `kgallaba@ece.ubc.ca`,
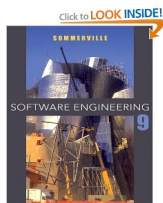- Dawood Al-Masslawi, `masslawi@mail.ubc.ca`

Labs

All labs are in **MCLD 348**. For lab hours and sections see UBC Course Calendar: `https://courses.students.ubc.ca/cs/main?pname=subjarea&tname=subjareas&req=3&dept=EECE&course=310`

Calendar Description

Engineering practices for the development of non-trivial software-intensive systems including requirements specification, software architecture, implementation, verification and maintenance. Iterative development. Recognized standards, guidelines and models.

Textbook and Lecture notes

The **recommended** textbook for this course is "Software Engineering", 9th Edition, by Ian Sommerville.

There will also be extra reading material handed-out by the instructor throughout the course. Lecture notes will be posted on Connect each week after the class.

Topics Covered

This course exposes students to a comprehensive introduction to the fundamentals of software engineering. The main topics covered include:

- Overview of Software Engineering
- Software Process
- Agile Software Development
- Requirements Engineering

- Software Modelling and Analysis
- Software Architecture
- Software Construction
- Software Quality and Testing
- Software Management
- Software Evolution and Maintenance
- Advanced Software Engineering Topics

Assessment

Active participation:	5%
Presentations:	10%
Midterm (Oct. 15th):	15%
Lab work:	30%
Final exam:	40%

Students must pass the final exam and the lab work to pass the course. Final grades will be computed as follows:

```
Normal% = 0.05 Participation *  + 0.2 * Midterm%% + 0.35 * Project% + 0.4 * FinalExam%

IF FinalExam% < 50%
  FinalGrade% = min{Normal%, FinalExam%}
ELSE
  FinalGrade% = Normal%
```

Active Participation

Active participation means class attendance, participation in the discussions in-class and on Piazza, asking good questions, etc. Negative points will result from not showing up, indifference, playing games, chatting, browsing social media, not paying attention, and sleeping in class!

Piazza

Rather than emailing questions to the teaching staff, I encourage everyone to post questions (and answers) using Piazza (participation marks for active users). Enroll at: `piazza.com/ubc.ca/winterterm12014/eece310`

Course Policies

Academic integrity The academic enterprise is founded on honesty, civility, and integrity. As members of this enterprise, all students are expected to know, understand, and follow the codes of conduct regarding academic integrity. At the most basic level, this means submitting only original work done by you and acknowledging all sources of information or ideas and attributing them to others as required. This also means you should not cheat, copy, or mislead others about what is your work. Violations of academic integrity (i.e., misconduct) lead to the breakdown of the academic enterprise, and therefore serious consequences arise and harsh sanctions are imposed. For example, incidences of plagiarism or cheating may result in a mark of zero on the assignment or exam and more serious consequences may apply if the matter is referred to the President?s Advisory Committee on Student Discipline. Careful records are kept in order to monitor and prevent

recurrences. See also `http://www.calendar.ubc.ca/vancouver/index.cfm?tree=3,286,0,0`
The penalty for plagiarism can range from getting an F in the class to dismissal from the university: `http://www.students.ubc.ca/calendar/index.cfm?tree=3,54,111,960`

Deadlines All deadlines are firm unless you have a documented medical or family emergency. In all cases, you will be expected to hand in proof. 1 point will be deducted per delayed hour.

Makeups If you have a valid reason for a makeup exam, inform your instructor as soon as possible. In all cases, you will be expected to bring in proof. See UBC's policies.

Laptops, cell phones Turn off or silence your cell phone at the beginning of the class. Do not use laptops during the class unless explicitly allowed to do so. Participation marks will be deducted if students spend time on social media (Facebook) or games during the class!

Announcements All announcements about the course will be made through Connect (`http://elearning.ubc.ca/connect/`). Make sure you follow the announcements carefully.

Appointments Appointments made with your instructor/TA should be kept. Notify your instructor/TA as soon as possible if you cannot make it.

UBC Policies Consult the following website for UBC Policies and Regulations: `http://www.calendar.ubc.ca/vancouver/index.cfm?tree=3,0,0,0`