



CS-C3150

# Software Engineering

Fall 2017 edition  
Prof. Casper Lassenius

# Course Practicalities

- ❖ Self-study course delivered through MyCourses
- ❖ Weekly modules according to a fixed schedule
- ❖ Deadline each Monday at 8:00 am
- ❖ No physical lectures
- ❖ No mid-terms or exams



---

# Schedule (1/2)

---

Date	Topic
11.9.	Course Overview
18.9.	Introduction and Motivation (Chapter 1)
25.9.	Software Processes (Chapter 2)
2.10.	Agile Software Development (Chapter 3)
9.10.	Requirements Engineering (Chapter 4)
16.10.	Architectural Design (Chapter 6)
23.10.	Exam week — no module
30.10.	Software Modeling and Design and Implementation (Chapters 5, 7)
6.11.	Software Testing and Quality Management (Chapters 8, 24)
13.11.	Software Evolution and Configuration Management (Chapters 9, 25)
20.11.	Software Project Management and Planning (Chapters 22-23)

---

# Schedule (2/2)

---

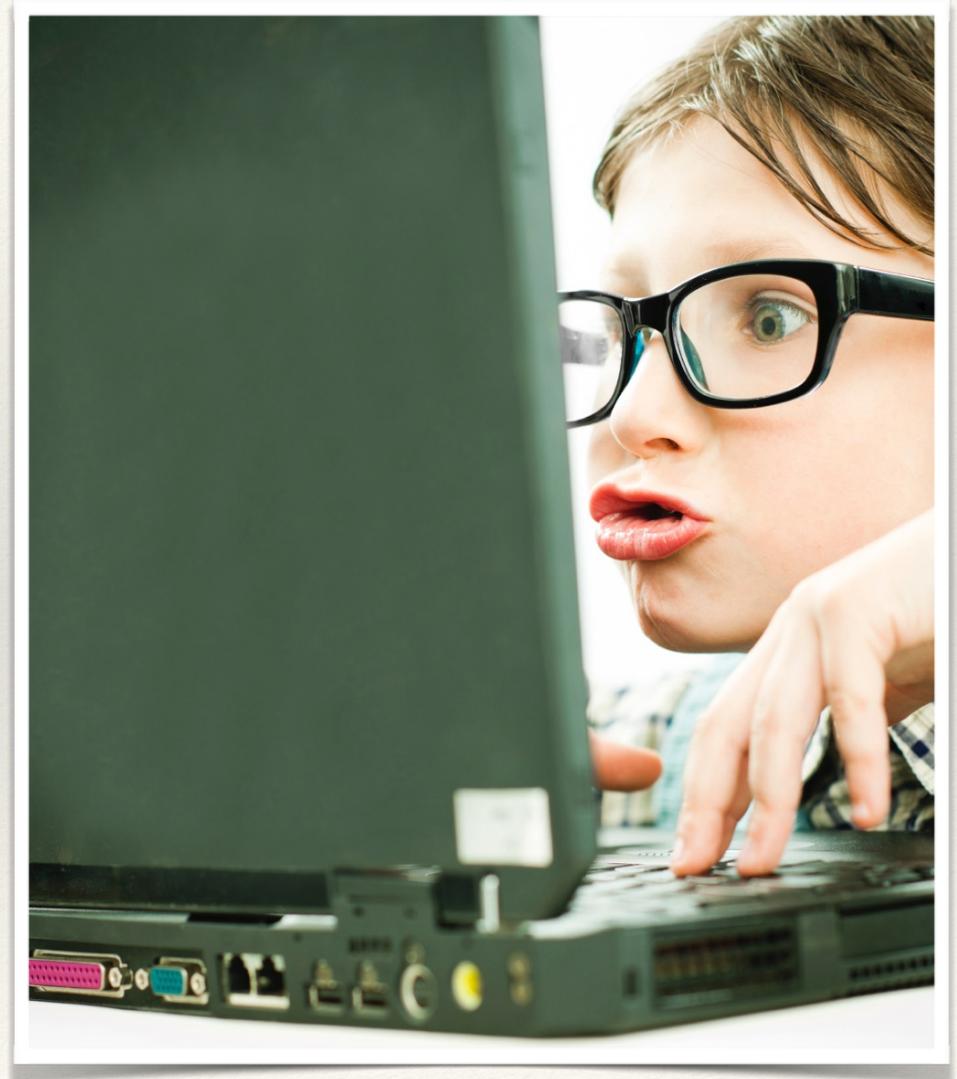
Date	Topic
27.11.	Global Software Engineering
4.12.	Software Process Improvement and Software Business
11.12.	Course feedback. Possibility to do extra modules.

---

# Doing the Modules

---

- ❖ Each module consists of
  - ❖ A video lecture
  - ❖ Readings (typically one chapter in the book and 1-2 articles)
  - ❖ A podcast
- ❖ Quizzes (testing the learning from the readings)
- ❖ A written assignment (typically an essay of 1-2 pages of text)



---

# Quizzes

---

- ❖ The quizzes test your understanding of the module's material (readings and / or podcast)
- ❖ You should read the material prior to taking a quiz
- ❖ Details
  - ❖ 8-10 questions (multiple choice, matching, true / false)
  - ❖ Is timed (max 30 minutes)
  - ❖ Will not show you which questions were answered correctly or incorrectly in order to make you avoid trial-and-error answering
  - ❖ Can be taken twice
    - ❖ The score from the best attempt will be your final score
  - ❖ The questions have been designed to be easy to answer if you are familiar with the material, difficult otherwise

---

# Written Assignments

---

- ❖ Based upon the readings
  - ❖ Theoretical or practical assignments
  - ❖ Typically essays of 500-1000 words in length
- ❖ The assignments are peer graded
  - ❖ Each student grades the assignments of three other students
  - ❖ Grading criteria given
  - ❖ You get 4 points for your essay, and 2 points for grading
  - ❖ You must **both write and grade an essay to get any points**
- ❖ The course personnel will assess both the grades given as well as the assignments
  - ❖ We aim at giving you individualized feedback on the written assignments to support your learning

# Course Flow

- ❖ Exercise deadline Monday 8:00
  - ❖ Last week's assignments
    - ❖ Written assignment
    - ❖ Quiz
    - ❖ Peer grading
      - ❖ Written assignments of the week before last week
  - ❖ These deadlines are absolute and automatically enforced by MyCourses
- ❖ New Module and exercises published Mondays 8:15



---

# Grading

---

- ❖ Max points
  - ❖ Substance modules
    - ❖ 10 points each
    - ❖ Max 110p
  - ❖ Extra modules
    - ❖ 5 points each
    - ❖ Introduction (this module)
    - ❖ Course feedback

Points	Grade
105 – 120	5
95 – 104	4
85 – 94	3
75 – 84	2
65 – 74	1
0 – 64	0

---

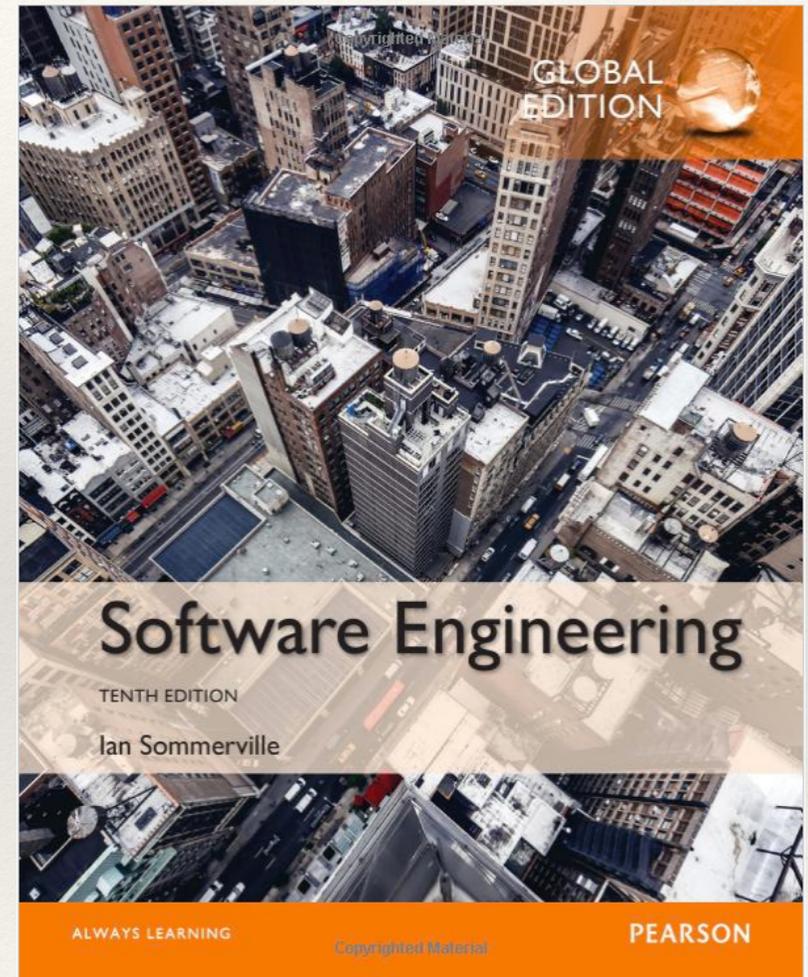
# The Two-Module Excuse System

---

- ❖ After the course, you will have the opportunity to do extra work to make up for missed points in up to two modules
  - ❖ Two extra modules will be made available after the normal modules
  - ❖ Make up for missed deadlines
  - ❖ Raise your score
- ❖ You can use these modules to make up for individual assignments or complete modules
- ❖ If you try to raise your score, the better score will be used—there is no potential penalty for trying to raise the score by doing the extra modules

# Course material

- ❖ Book: Sommerville: Software Engineering, 10th ed.
- ❖ The course is based upon the 10th edition—all quizzes and exercises are based upon it. Use older editions at your own risk
- ❖ Links to the electronic version in MyCourses (15 concurrent users)
- ❖ Additional readings are provided in MyCourses



---

# Honor Code

---

- ❖ You must accept the honor code to take the course
- ❖ read the web page for the details

The Honor Code is an undertaking of the students, individually and collectively:

- that they will not give or receive aid in examinations; that they will not give or receive unpermitted aid in class work, in the preparation of reports, or in any other work that is to be used by the instructor as the basis of grading;
- that they will do their share and take an active part in seeing to it that others as well as themselves uphold the spirit and letter of the Honor Code.

---

# In practice...

---

- ❖ You must do all assignments by yourself, without help or collaboration with other students, unless explicitly allowed or required
- ❖ Thus, you must write your own assignments, and take the quizzes by yourself, without discussing them with other students until you have submitted your own and the other students have submitted theirs
- ❖ Some activities may require collaboration; if you are required to do something in small teams, it will be mentioned separately
- ❖ You must **reference** any sources you use, including the course textbook

---

# Consequences of Violating the Honor Code

---

- ❖ Failing the course
- ❖ Any penalty given by the school committee dealing with academic fraud

---

# Referencing

---

- ❖ A way to show where you got your ideas from
- ❖ Even if you reference, direct copying of text is not acceptable, unless clearly marked as a quote
  - ❖ large passages should not be quoted
- ❖ You should also reference the textbook, when you use it
- ❖ Use the Harvard system, as described in the instructions

---

# Questions?

---

- ❖ Submit to the fora in MyCourses or contact the lecturer directly
- ❖ email: [Casper.Lassenius@aalto.fi](mailto:Casper.Lassenius@aalto.fi)
- ❖ You can also use our slack workspace: aalto-se