



UNIVERSITY OF CALGARY  
FACULTY OF SCIENCE  
DEPARTMENT OF COMPUTER SCIENCE  
COURSE OUTLINE

1. **Course:** SENG 300, Introduction to Software Engineering -- Fall 2017

*Lecture 01:* (TR, 09:30-10:45 in ST143)

Instructor Name	Email	Phone	Office	Hours
Robert James Walker	walker@ucalgary.ca	403-210-9593	ICT 546	TR 1200-1300 or by appointment

*Course Site:*

D2L: SENG 300 L01-(Fall 2017)-Introduction to Software Engineering

Department of Computer Science: ICT 602, 403 220-6015, cpssc@cpssc.ucalgary.ca

2. **Prerequisites:**

See section [3.5.C](#) in the Faculty of Science section of the online Calendar.

Computer Science 319 or 331.

Credit for Software Engineering 300 and any of Software Engineering 301, 311, 403, 411, Computer Science 301, 333, 451 or Software Engineering for Engineers 480 will not be allowed

3. **Grading:**

The University policy on grading and related matters is described in [F.1](#) and [F.2](#) of the online University Calendar. In determining the overall grade in the course the following weights will be used:

Component(s)	Weighting %
Individual modelling assignment	10%
Individual testing assignment	10%
Lab demonstration on debugging	5%
Lab demonstration on bug tracking	5%
Lab demonstration on version control	5%
Midterm oral examination <i>(In ICT 546: 12â€“25 October inclusive. Each student will sign up for an individual 20-minute time slot; schedule to be made available after the course drop deadline.)</i>	15%
Group software development assignment 1	3%
Group software development assignment 2	8%
Group software development assignment 3	14%
Group software development assignment 4	20%
Reflection document	5%

Each of the above components will be given a letter grade using the official University grading system. The final grade will be calculated using the grade point equivalents weighted by the percentages given above and then converted to a final letter grade using the official University grade point equivalents.

**Lab demonstrations:** For each lab demonstration, each student will sign up for an individual 5-10 minute slot with a teaching assistant (or qualified proxy) to demonstrate their ability to use the required software that is relevant to the skills being evaluated. For time slots that coincide with scheduled tutorials for this course, the demonstration will occur in the regularly scheduled lab location; otherwise, the student should confirm with the teaching assistant where to meet.

**Special regulations affecting the final grade:** To receive a grade of C- or better in the course, a C- or better must be obtained on the midterm oral examination, on the weighted average of the group software development assignments, and on the reflection document. To receive a D or better in the course, a D or better must be obtained on the midterm oral examination, on the weighted average of the group software development assignments, and on the reflection document.

#### 4. **Missed Components of Term Work:**

The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in [Section 3.6](#). It is the student's responsibility to familiarize himself/herself with these regulations. See also [Section E.3](#) of the University Calendar

#### 5. **Scheduled out-of-class activities:**

The following out of class activities are scheduled for this course:

Midterm oral examinations will be conducted in ICT 546 in the period 12-25 October inclusive. Each student will sign up for an individual 20-minute time slot. The schedule will be made available after the course drop deadline. The examination will be conducted with the assistance of a teaching assistant (or other qualified proxy). Each examination will be video- and audio-recorded as evidence in the case of disputes; all such recordings will be kept confidential and will be deleted once the course is complete.

#### 6. **Course Materials:**

##### **Optional Textbook(s):**

Roger S Pressman, Software Engineering: A Practitioner's Approach, McGraw Hill

Other recommended materials will be available online from the D2L website for the course via the library's online sources.

Slides will be available on D2L after each lecture.

#### 7. **Examination Policy:**

The midterm oral examination will be open book, conducted privately with the assistance of one teaching assistant (or other qualified proxy), and video-/audio-recorded; no electronic aids are permitted for the student.

Students should also read the Calendar, [Section G](#), on Examinations.

#### 8. **Approved Mandatory and Optional Course Supplemental Fees:**

There are no mandatory or optional course supplemental fees for this course

#### 9. **Writing across the Curriculum Statement:**

In this course, the quality of the student's writing in the weighted components of the course will be a factor in the evaluation of those components. See also Section E.2 of the University Calendar.

#### 10. **Human studies statement:**

Students will not participate as subjects or researchers in human studies.

#### 11. **OTHER IMPORTANT INFORMATION FOR STUDENTS:**

- a. **Misconduct:** Academic misconduct (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under [Section K](#). Student Misconduct to inform yourself of definitions, processes and penalties.
- b. **Assembly Points:** In case of emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on [assembly points](#).
- c. **Academic Accommodation Policy:** Students needing an Accommodation because of a Disability or medical condition should contact Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities available at [procedure-for-accomodations-for-students-with-disabilities\\_0.pdf](#).

Students needing an Accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the Associate Head of Undergraduate Affairs of the Department of Computer Science, Nathaly Verwaal by email [nmverwaa@ucalgary.ca](mailto:nmverwaa@ucalgary.ca) or phone 403-220-8485.

- d. **Safewalk:** Campus Security will escort individuals day or night ([www.ucalgary.ca/security/safewalk/](http://www.ucalgary.ca/security/safewalk/)) . Call [403-220-5333](tel:403-220-5333) for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- e. **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). As one consequence, students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information, see also [www.ucalgary.ca/legalservices/foip](http://www.ucalgary.ca/legalservices/foip).
- f. **Student Union Information:** [VP Academic](mailto:VP Academic), Phone: [403-220-3911](tel:403-220-3911) Email: [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca). SU Faculty Rep. Phone: [403-220-3913](tel:403-220-3913) Email: [sciencerep@su.ucalgary.ca](mailto:sciencerep@su.ucalgary.ca); Student Ombudsman, Email: [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca)
- g. **Internet and Electronic Device Information:** You can assume that in all classes that you attend, your cell phone should be turned off unless instructed otherwise. Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy, you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.
- h. **Surveys:** At the University of Calgary, feedback through the Universal Student Ratings of Instruction ([USRI](#)) survey and the Faculty of Science Teaching Feedback form provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses. Your responses make a difference - please participate in these Surveys.
- i. **SU Wellness Center:** The Students Union Wellness Centre provides health and wellness support for students including information and counselling on physical health, mental health and nutrition. For more information, see [www.ucalgary.ca/wellnesscentre](http://www.ucalgary.ca/wellnesscentre) or call [403-210-9355](tel:403-210-9355).

**Department Approval:**

Electronically Approved

**Date:** 2017-09-01 12:48