

Computer Science 6905

Software Engineering

Fall 2020



Department of Computer Science

Instructor: Dr. Adrian Fiech
Virtual Office Hours: During the scheduled class time (Monday, Wednesday and Friday 2:00 p.m. – 3:00 p.m.)
e-mail: Brightspace (D2L) email: afiech@online.mun.ca

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Course information (e.g., assignments, labs, quizzes, lecture notes, announcements, grades, etc.) can be found on Brightspace (D2L).

Course Prerequisite:
Undergraduate Software Engineering course.

Course Summary:
This course starts with review of the basic skills necessary for a developer to function in a software engineering context (chapters 1-3). Next, we focus on methods and technologies that enable developers to specify, design and implement complex systems (chapters 4-8). Finally (student presentations, chapters 12-16), we learn methods and technologies that support the control, assessment and implementation of changes throughout the development of a system.

Textbook:
Object-Oriented Software Engineering: Using UML, Patterns, and Java™ (3rd Edition) by Bernd Bruegge, Allen H. Dutoit, Prentice Hall; ISBN-10: 0136061257; ISBN-13: 978-0136061250.

Evaluation:
The final grade in this course will be determined as follows:

Assignment (28. September – 16. October)	20%
Presentations (due 19. October)	15%
Oral Midterm Exam (21./22./23. October)	35%
Project (26. October – 4. December)	30%

Your final mark can be no more than your midterm exam mark plus 15%!
The passing mark for a graduate course is 65%. **To pass this course you must obtain at least 50% on the midterm exam!**

Lecture Time: No live lectures; **asynchronous** delivery via notes and presentation slides.

Tentative Course Schedule:

Dates	Chapter(s)	Topics(s)
09. September – 11. September	1	Introduction to Software Engineering
14. September – 18. September	2 3	Modeling with UML Project Organization and Communication
21. September – 25. September	4 5	Requirements Elicitation Analysis
28. September – 02. October	5 6 7	Analysis System Design: Decomposing the System System Design: Addressing Design Goals
05. October – 09. October	7 8	System Design: Addressing Design Goals Object Design: Reusing Pattern Solutions
12. October – 16. October (MIDTERM BREAK - 12-13. October)		Review
19. October – 23. October		Presentations and Midterm Exam
26. October – 04. December		Project

Notes on Assignment/Project/Presentation:

- Assignment and Project will require programming using the Eclipse IDE. We will be using a GIT repository for group collaboration.
- Your submissions should be uploaded in the correct format, and in the correct folder, using Brightspace's **Assessment/Assignments** tool (instructions will be given on the first assignment). Be aware that the files you submit for evaluation should be uploaded on or before the due date and much before the cut off time. Even if you are late by a few seconds you will not be allowed to submit your work; hence you should try to upload the files 15 minutes before the cut off time since your system clock is not synchronized with CITL's system clock and the cutoff time is based on CITL's system clock. Please note that if your file has been correctly uploaded, you will get a confirmation receipt from the **Assessment/Assignments** tool. If you do not receive this receipt, please contact the CITL Support team (<https://www.citl.mun.ca/support/>). Your instructor will not be able to help you in this regard. It is **very important** to remember that what is not uploaded, cannot be marked. It is your responsibility to make sure that the **correct** files are actually uploaded, so please **do** check for the confirmation that your files have been uploaded.
- Material submitted for grading must be your group's original work. Copying someone else's work or allowing your work to be copied is a serious breach of university regulations and ethics. **Any and all copied material will receive the mark of 0%. If your assignments are quite similar then it can be construed as copying.** Please see the University Calendar - University Regulations - General Academic Regulations (Undergraduate) - **6.12 Academic Misconduct**.

Oral Midterm Exams:

- The exams will be scheduled on the 21., 22. and 23. October. Your (30 minutes) time slot will be decided at the beginning of October.

Student support:

- Memorial University of Newfoundland is committed to supporting inclusive education based on the principles of equity, accessibility and collaboration. Accommodations are provided within the scope of the University Policies for the Accommodations for Students with Disabilities (www.mun.ca/policy/site/policy.php?id=239). Students who may need an academic accommodation are asked to initiate the request with the Glenn Roy Blundon Centre at the earliest opportunity (www.mun.ca/blundon).
- Help with a variety of Online Learning issues, such technical support, etc., is available by contacting the **CITL Support Centre** via phone (1-866-435-1396, or locally at 709-864-8700), online chat (when available) or via their ticketing system. This contact information is available at: <https://www.citl.mun.ca/support/>
- Please note that Memorial University offers a broad range of supports. For a more comprehensive list of student supports and resources, please check out the following links:
 - <https://www.mun.ca/munup/support/>
 - <https://www.mun.ca/main/students.php>
 - <https://www.munsu35.ca/resource-centres/>

Other:

- If, for special circumstances (such as medical or bereavement) you miss a deadline for a grade item, notify your instructor as soon as possible, providing any related documentation (if documentation is required). Failure to do this can result in a mark of 0% for that work. Please refer to the **current University policy** regarding medical notes and the information to be in them. For more information, please see the University Calendar - University Regulations - General Academic Regulations (Undergraduate) - **6.7.5 Exemptions from Parts of the Evaluation** and **6.15 Appeal of Decisions**, or consult the Registrar's Office. If your reasons for the missed work are acceptable, then your instructor may suggest an alternative evaluation scheme.
- Students are expected to adhere to those principles which constitute proper academic conduct. A student has the responsibility to know which actions, as described under Academic Offences in the University Regulations, could be construed as dishonest or improper. Students found guilty of an academic offence may be subject to a number of penalties commensurate with the offence including reprimand, reduction of grade, probation, suspension or expulsion from the University. For more information regarding this policy, students should refer to the University Regulations for Academic Misconduct (Section 6.12) in the University Calendar.
- Note that your instructor prefers to use Brightspace (D2L) email for course correspondence. Please send any emails to **afiech@online.mun.ca** address **within** Brightspace. Also, please include **[COMP6905]** in the subject line. Official email correspondence within the university **must** be via a valid Memorial University email account.
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