

OBJECT ORIENTED PROGRAMMING (JAVA) (CST8284)

Prof. Sandra Iroakazi, Ph.D

Overview & Introduction to Labs

WEEK 1: INTRODUCTION

Requirements, Evaluations and Resources



Week 1 Learning Outcomes

- ❖ Describe the course and its components
- ❖ Discuss general expectations regarding the components of the course
- ❖ Explain the specific expectations for the lab component of the course
- ❖ Explain the grading criteria and process
- ❖ Review assessment for the week



My Contact Details

❖ **Name:** Justin Martins

❖ **Email:** martinj4@algonquincollege.com

❖ **Appointments:** Online

❖ **Specific Requests (example CAL):** Send me an email to discuss.



Email protocol

- ❖ I will do my best to respond to your email enquiries within **48 hours**
- ❖ Weekends could take longer
 - For example: an email received after 5PM on Friday will possibly receive an answer by Monday of the following week.
- ❖ Ensure that you send me emails with your AC email address.



Structure & Expectations

❖ In lab sessions

- All lab grading activities will be done in the lab sessions

❖ Lab attendance is mandatory to demonstrate your work

- Please, ensure that you attend **all** lab sessions
- Ensure that you come with your work ready for grading
- You have one week extra grace period for every lab, use it well!



Structure & Expectations (2)

- ❖ **Lectures** will be conducted in the classroom. Check Brightspace for the weekly instructions.
- ❖ There may be in-class **learning activities** during the classroom sessions
- ❖ **Theory exams** (midterm, quizzes, final exam) will be conducted in-class during the designated classroom sessions



Learning Activities

- ❖ Classroom lectures (zoom)
- ❖ Software demonstrations (e.g. labs)
- ❖ Laboratory and assignment tasks
- ❖ Reading assignments
- ❖ Review of course-related materials
- ❖ Revision of Hybrid materials



Overall Course Grading

❖ Grading % (of entire course weight)

- Lab exercises (25%)
- Practical lab assignments (25%)
- Hybrid assessments (5%)
- Quizzes (10%)
- Mid-term (15%)
- Final exams (20%)



Course Textbooks

Required:

- ❖ Big Java Early Objects, 7/E. Author: Horstmann, C. Wiley. ISBN: eText: 978-1-119-49909-1 or loose-leaf paper: 978-1-119-74020-9.

Other useful books recommended:

- ❖ Java How to Program, Early Objects Plus MyProgrammingLab with Pearson eText -- Access Card Package, 11/E
Author: Deitel ISBN: 9780134800271



Required Software

- ❖ Java Platform (JDK) 8u25 (or later), Amazon Corretto 11 or later (see instructions on Lab 1)
- ❖ Eclipse 4.4.1 (or later)
- ❖ JUnit 4.x
- ❖ Javadoc version 4.0 (loaded with the JDK)



Describing the course...

- ❖ To study object oriented programming methodology using the **Java** programming language
- ❖ Explore object oriented concepts, such as **encapsulation, inheritance, abstraction** and **polymorphism** reinforced with practical applications.



Getting Help...

❖ Peer Tutoring

- Student Learning Center has a variety of options
- May be restricted due to COVID-19
- Customized help opportunities

❖ Counselling Services

Student Services offers counselling for those in need of more general support. Visit the site:

<https://www.algonquincollege.com/studentssupportservices/mental-health/>



LABS

**Now, focusing on the lab
structure, activities and
grading scheme**



Lab sections

- ❖ Ensure that you **attend your assigned** lab section **only**. No cross-carpeting ...



Lab Grading

- ❖ This is an overview of expectations for the labs and the marks associated with each lab.
- ❖ Consult the Brightspace **theory page (section_310)**, your own **section's** lab page or **your professor's announcement** only for all communication and instructions.
- ❖ For every lab, there is a different lab assignment that must be demonstrated, **completely** and **correctly**, during the week's lab session in order to obtain any marks.



Lab Grading II

- ❖ Each weekly lab exercise is worth a certain % of your total mark.
- ❖ Starting from Week #1, there is **an extended “grace period” of one week** for the week’s lab exercises.
- ❖ Each lab has a **due date** specified; be sure to **respect** the due date



Lab Grading III

- ❖ **For example**, the lab exercise for Week #2 can be demonstrated to your professor either during Week #2 or Week #3, but not later.
- ❖ This **provides you some additional time**, for instance where it is not possible to demonstrate the lab exercise to your professor during the scheduled lab session.
- ❖ Therefore, lab exercises will **not** be graded after the due date (for demo).
- ❖ Talk to your professor if you have any concerns.



Lab Grading IV

- ❖ A **rare exception** can be made only by the professor in critical circumstances at his/her discretion (e.g. sickness)
- ❖ However, even though lab exercises will not be graded beyond the grace period, you are allowed to have later lab exercises (when provided) graded prior to the week they are first due.
- ❖ For example, the lab exercise for Week #5 could be demonstrated for grading during any weekly lab session prior to Week #5 (the only condition for this is that your lab exercises for Weeks #2, #3 and #4 have already been graded).



Lab Grading V

- ❖ The professor can grade your “**future**” labs when demonstrated, as long as you present them sequentially and **all** prior lab assignments have been successfully completed and graded.
- ❖ **For example**, the lab exercises for Week #5 and Week #6 could not be demonstrated if the earlier lab exercises up to, and including, Week #4 had not already been successfully demonstrated.



Grading VI - Assignments

- ❖ There are three practical assignments. All assignments must be **submitted and demoed**.
- ❖ The total marks for the assignments in this course are **25%** of the entire course marks.
- ❖ Both the **lab exercises and assignments** make up the **practical component** totalling **50%** of the entire course marks.
- ❖ You need **at least 50% marks of the practical component** to pass this course.



Lab Grading VII

- ❖ Any changes or modifications made in this regard will be communicated to you.
- ❖ Feel free to contact your lab Professor if you have any questions or need clarity.



Absence

- ❖ **Send me an email** if you are not available for class, especially where an assessment could be done or demonstrated.
- ❖ If you **fall sick** and about to miss a lecture or lab, send me **an email**. Emails sent after-the-fact may not be honored.



How to be Successful in This Course

- ❖ **Attend** lectures and lab sessions
- ❖ Ensure you **do all assessments** issued in the course completely and correctly
- ❖ **Plan your time** effectively to ensure that no component of the course is neglected
- ❖ **Visit** the course **webpage weekly** to see materials and instructions posted for each week
- ❖ Use the **grace period** provided in the lab and assessments to get ahead
- ❖ Keep an eye on **due dates** for submissions



Plagiarism and Dishonesty

- ❖ An attempt to use or infer an idea, work or product of another author (person) as your own without giving due credit.
- ❖ This is a serious academic offence with dire consequences
- ❖ Credit should be given to all cited materials including from **open source**, **copyright-free** sources, websites, etc.



Plagiarism and Dishonesty (2)

- ❖ **First offence** attracts a **warning** and a **fail grade** on the **assessment** concerned
- ❖ **Second offence** results in a warning and a **fail grade** in the **course**
- ❖ **Third offence** results in **suspension** or **dismissal** from the **program**, or from the program and the **college**



Some Examples of Plagiarism & Dishonesty

- ❖ Copying of code from a source without citing the source
- ❖ Includes codes written by anyone apart from yourself, such as professional programmers, classmates or tutors
- ❖ Allowing your own work to be copied and submitted by someone else intentionally or by any careless mistakes traceable to you



In-class team activity: Citation Formats

Review the documents AA18 and AA20 (together AA48)

- ❖ Mention 3 items you learned from the documents.
- ❖ Give some examples of how you will correctly include citation in your code.
- ❖ What details will you include and where?
- ❖ What format will you use for citing any materials from websites, YouTube and power point slides?

Someone in your team will present your answer to the class (no submission).



That's it for now!

QUESTIONS?

