

# EECS2101 (Sections X & Z) Winter 2025

## Guide to Written Test

**WHEN:** (during the lecture time of your **enrolled** section)

Section Z	11:30 – 12:30	Thursday	March 13
Section X	17:30 – 18:30		
Registered Accommodation	17:30 –		

**WHERE:** William Small Centre (WSC) 105/106/108

- You **must** take the written test **in-person**: any remote attempt will be marked zero automatically.
- All questions will be answered on the Sections X & Z eClass site.
- You will be **solely** responsible for any **loss of time or marks** due to any of the following failing:
  - You have a working EECS account to login into a WSC lab machine.
  - You have a working PPY account to login into the eClass site (subject to Duo Mobile verification).

**You are expected to have verified that you are able to complete the EECS and PPY logins prior to the test.** Just find a time gap in WSC and visit there to try your logins.

- This written test is **strictly** individual: identified collaborations will be reported to Lassonde for **a breach of academic honesty**.
- You are given **60 minutes** to complete the submission. The time limit is **strict**.
- This written test accounts for 15% of your course grade.
- Unlike the assignments (and the later programming tests), there will be **no** starter project for you to download and import.

## 1 Rules

- You may **only** bring to your seat:
  - **A valid photo ID** (e.g., YU card, driver license, health card, passport)  
Without a valid photo ID upon checks, you will be denied to continue with the test.
  - Stationary (e.g., pen, pencil, eraser)
  - Sketch paper (blank on both sides).  
You will be asked to return the sketch paper at the end of the test.
  - Water bottle
  - Mobile device (for Duo Mobile verification only)  
During the test, always put the device face-down.
- All other personal belongings should be placed in front of the lab room.

- After the lab machines are boosted into the “labtest mode”, login into a machine (using your EECS account), and then use a web browser (e.g., Firefox) to login into the Sections X & Z eClass site (using your PPY account).
  - First complete the quiz on *academic integrity* ( $\approx 1$  minute).
  - The written test will be *opened* for submission at the same time.
  - This is a **closed-book** test: use of any internet resources or notes is forbidden.
  - You are **forbidden** to use any programming IDE (e.g., Eclipse) during the test.
  - The written test will be *closed* for submission promptly.
- In principle, there will be **no** questions allowed during the test.
  - TAs will **not** answer questions.
  - If really necessary, the instructor will respond to your question, but you may just be advised to read the question(s) again more carefully.

## 2 Format

- Most ( $\geq 70\%$ ) of the questions will be multiple-choice questions. For examples:
  - A true or false question
  - A question with a **single** correct answer
  - A question with **multiple** correct answers

e.g., Say you are given 5 answers for the question: 2 of them are correct (and 3 of them are incorrect). Accordingly, for each correct answer you choose will receive a credit of  $\frac{100\%}{2} = 50\%$ , whereas for each incorrect answer you choose will receive a penalty of  $\frac{-100\%}{3} = -33.3\%$ .

Say you chose one correct answer and one incorrect answer, then you would receive  $50\% + (-33.3\%) = 16.7\%$  of the full marks. Also, the minimum mark you can receive is 0 (e.g., when you chose one correct answer and two incorrect answers).

This mechanism is to ensure that one cannot just receive full marks by simply choosing *all* answers.
- There might be written questions requiring you to, e.g.,:
  - Write a fragment of Java code
  - Explain how a given fragment of Java code works at runtime
  - Explain why a given fragment of Java code works

## 3 Coverage for the Test

- You **may** be tested on the understanding of concepts related to Assignment 1 and Assignment 2 (and their posted solutions).
- All lecture and study materials up to and including the class on Thursday, March 6.

## 4 Study Tips for the Test

- The test is meant to **test your understanding** of the taught concepts (which is different from a programming test in which you are expected to write Java programs with no syntax or type errors).
- Go through the slides and annotated iPad notes to review the concepts and examples. Re-watch parts of the lecture/tutorial videos if necessary.
- Pay special attention to the logic explained on *tracing Java code* (e.g., use of a boolean variable to control the entrance into and exit from a loop, visualizing object creations and method calls).

## 5 Example Questions

- **By the end of Friday, March 7**, some example questions will be made available on the Sections X & Z eClass site (under the **Written Tests** section). You can attempt these questions for as many times as you wish.

These example questions will be **closed** for submissions a few hours before the start of Section Z's test.

- It is important to note that:
  - These practice questions:
    - \* are meant for **familiarizing yourself with the format and workflow of the test**;
    - \* **cover only some of the topics required by the actual test**; and
    - \* tend to be on the **easier** side: the level of difficulty of the actual test may be **higher** to test your true understanding of the covered materials.