

# EECS3342 (Z) Winter 2022

## Guide to WrittenTest3

WHEN:

12:00 noon – 12:30 pm (EST),  
Tuesday, March 15

CHEN-WEI WANG

- This written test is **strictly** individual: identified collaborations will be reported to Lassonde for a **breach of academic honesty**.
- You are given **30 minutes** to complete the submission. The time limit is **strict**.
- This written test accounts for 10% of your course grade.
- All questions will be answered on the Section Z eClass site.

## 1 Rules

- WrittenTest3 will be:
  - **opened** for submission at 12:00 noon EST on **Tuesday**, March 15; and
  - **closed** for submission at 12:30 pm EST on the same day.
- Once submitted, you are not allowed to start a new attempt, even before the test is closed.
- There is **not** a 24-hours submission period: if you started your attempt later than the above-mentioned time where the submission is opened, then you would have less than 30 minutes available to complete the test. For example, if you started your attempt at 12:05 pm, the test's submission will still be closed at 12:30 noon, meaning that you have 25 minutes remaining to complete the test.

## 2 Format

- There might be multiple-choice questions:
    - 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/high marks by simply choosing (almost) *all* answers.**

### 3 Coverage of the Test

- Materials (slides, iPad notes, recordings) related to the following lectures will be covered:
  - BRIDGE CONTROLLER: INITIAL MODEL & FIRST REFINEMENT PDF [Weeks 5, 6, 7]
- So far we have covered three sets of example inference rules: you will be required to apply some of these rules. You may also be required to apply other inference rules, in which case they will be given.
- Lectures W5, W6, and W7 are very relevant to what's covered in Lab1, so you may want to review the materials of Lab1.
  - Background and exercises in the instructions PDF
  - Tutorial on Writing Formal Specifications in Rodin LINK
- You may also want to review the relevant Q&A session materials, where we discussed clarifications and extra examples.

### 4 Example Questions

- Example questions will be made available on the Section Z eClass site (under the **Written Tests** section) *by the end of Wednesday, March 8*.

You can attempt these questions for as many times as you wish, but the submission will be **closed** shortly before the actual test starts.

- Please understand that these questions are:
  - meant for familiarizing yourself with the **format** and **workflow** of the test;
  - **not** meant to cover **all** topics required by the actual test (you are expected to study **all** materials as listed in Section 3); and
  - on the easier side (in the actual test, there will be harder questions testing your understanding of the materials).