

Department of Electrical and Computer Engineering  
**ENSF 519.01 Applied Data Science**  
**Term Test 1**

Location: ICT 319-320

Date and Time: Wed Oct 23, 2019, 13:00 – 15:00 (2 HOURS)

INSTRUCTOR: Dr. H. Hemmati

This is an open book computer-based exam.  
There are 3 questions in this exam for a total of 100 marks!

EXAM INSTRUCTIONS

THINGS THAT YOU MUST DO BEFORE/DURING EXAM:

- Make sure you come 10 minutes before the exam start time.
- Everyone MUST bring a laptop that has all the software and libraries discussed and used in the class and assignments. It is your responsibility to make sure your laptop is sufficient for the exam.
- You will get the exam files on D2L when the exam starts (13:00). The main question file is a *.ipynb* file. There are also some extra data files.
- Write your name and ID in the given part on the *.ipynb* solution template file.
- You MUST upload your solution file (the filled *.ipynb*) before the end of exam (i.e., 15:00) on YOUR D2L account under the TermTest1 dropbox folder.
- You must submit only ONE file (the filled *.ipynb* file). If you submit more than once, only the last submission before 15:00 will be considered.

WHAT IS ALLOWED:

- You can access D2L for class notes/assignments/solutions.
- You can bring notes and books.
- Access to any file in your laptop (including e-books, lab solutions, class notes, etc.) is allowed.
- You can READ Internet, including Google search, Stackoverflow, API documentations, etc.!

**WHAT IS NOT ALLOWED:**

- You are not allowed to use a cell phone or other electronic devices (than your laptop). You can attach a lab monitor to the laptop, though.
- No communication with another person in the exam room or outside, with any means (e.g., call, message, email, posting a note, etc.), is allowed.
- You cannot write anything on Internet. That is, you are only reading from Internet. For instance, you cannot post a question on QA sites.
- Your computer should not be accessible by any one through network, Bluetooth, etc.
- Cell phones must be off as well.
- Reading emails and access to file sharing sites like dropbox is not allowed.

**SUGGESTIONS:**

- Upload your file enough time before the end of exam, in case you had issues with uploading.
- You can upload multiple copies! ONLY the last copy that is submitted before 15:00 will be marked!

**NOTE:**

- Be aware that the instructor and your TA will check your screens and monitor your activities constantly and violation of exam rules will be reported!
- Note that code plagiarism detection tools will be run on all solutions and student answers that are too similar will be flagged.
- If you face problem uploading your solution, raise your hand and somebody will come to help you. If the problem continues you may be asked to email the solution to the instructor!

## **EXAMINATION RULES AND REGULATIONS**

### **STUDENT IDENTIFICATION**

Each candidate must sign the Seating List confirming presence at the examination. All candidates for final examinations are required to place their University of Calgary I.D. cards on their desks for the duration of the examination. (Students writing mid-term tests can also be asked to provide identity proof.) Students without an I.D. card who can produce an acceptable alternative I.D., e.g., one with a printed name and photograph, are allowed to write the examination.

A student without acceptable I.D. will be required to complete an Identification Form. The form indicates that there is no guarantee that the examination paper will be graded if any discrepancies in identification are discovered after verification with the student's file. A Student who refuses to produce identification or who refuses to complete and sign the Identification Form is not permitted to write the examination.

### **EXAMINATION RULES**

- (1) Students late in arriving will not normally be admitted after one-half hour of the examination time has passed.
- (2) No candidate will be permitted to leave the examination room until one-half hour has elapsed after the opening of the examination.
- (3) All inquiries and requests must be addressed to supervisors only.
- (4) Candidates are strictly cautioned against:
  - (a) speaking to other candidates or communicating with them under any circumstances whatsoever;
  - (b) leaving answers exposed to view;
  - (e) attempting to read other student's examination paper/code.The penalty for violation of these rules is suspension or expulsion or such other penalty as may be determined.
- (5) Candidates are cautioned against writing in their answer any matter extraneous to the actual answering of the question set.
- (6) The candidate is to write his/her name on each answer book as directed and is to number each book.
- (7) A candidate must report to a supervisor before leaving the examination room.
- (8) If during the course of an examination a student becomes ill or receives word of a domestic affliction, the student should report at once to the supervisor, hand in the unfinished paper and request that it be cancelled. If physical and/or emotional ill health is the cause, the student must report at once to a physician/counsellor so that subsequent application for a deferred examination is supported by a completed Physician/Counsellor Statement form. Students can consult professionals at University Health Services or University Counselling Services during normal working hours or consult their physician/counsellor in the community.  
Should a student write an examination, hand in the paper for marking, and later report extenuating circumstances to support a request for cancellation of the paper and for another examination, such a request will be denied.
- (9) Smoking during examinations is strictly prohibited.