

# COMP SCI 1MD3 Winter 2018

## Final Exam

## Information

Date: Saturday, April 21, 2018

Time: 9:00-11:00

Rooms:

For students bringing their own laptop:

LRW B1007

Make sure your battery is charged, as there is no power available at the seats.

For students with accommodations:

BSB 119 – must bring own laptop

Make sure your battery is charged, as there is no power available at the seats.

Start at 9:00, end time based on accommodation

For students without a laptop:

BSB 249

### Information

The exam will be completed entirely on computer using JupyterHub. Prior to the exam, please ensure you are able to log in to <https://jhub2.cas.mcmaster.ca/> from an on-campus network connection. If you are unable to log in, please contact the instructor **before the day of the exam**.

The exam is worth 25% of your final grade. The university policy on missed exams applies.

### Materials

**Bring your student ID card for checking.** You are allowed to access Python documentation on <https://doc.python.org/> and <https://matplotlib.org/>, and use JupyterHub at the provided URL. In your JupyterHub account, you may include and access during the exam: your own copies of past labs, workbooks, and tests; the instructor's provided solutions; workbooks from class; and workbooks with your own notes. No other materials or Internet access are allowed. Blank paper will be available.

## Structure and content

At the start of the exam you will be given access to a Jupyter notebook via JupyterHub. The notebook will contain multiple choice, short answer, and programming questions. The multiple choice and short answer questions will account for approximately 1/3 of the marks, and the programming questions will account for approximately 2/3 of the marks. The programming questions will be similar to the labs and past midterms: given a problem specification, write a function to solve the problem; some test cases will be provided, you can make your own test cases, and we will mark using additional test cases.

The exam will cover material from all topics in the course, with the following exceptions:

- No programming questions involving reading files from the Internet
- No questions on XML
- Any questions involving date/time formatting will indicate the formatting codes; you do not need to memorize these.
- No questions on timezones.
- Questions involving plots will only cover basic line and scatter plots, and will not ask you to do any customizing of the display of the plot (axes, colours, labels, legends, ticks, ...)
- Questions involving SQL will only cover basic INSERT and SELECT queries
- No programming questions involving machine learning

## Academic integrity

No Internet access other than <https://jhub2.cas.mcmaster.ca>, <https://doc.python.org>, and <https://matplotlib.org/> is allowed. No Google. No StackOverflow. No chat programs. No printed materials. No files in your JupyterHub account other than the ones listed in the “Materials” section above. Mobile phones and all other material should be in your bag and the bag should be closed.

It will be considered an academic integrity violation to:

- Access unauthorized websites
- Use chat programs
- View other files or use other programs on your computer
- Use your mobile phone
- Intentionally sabotage McMaster property or servers in an attempt to gain an academic advantage

UTS will be logging network access for us from the lab computers and from MacIDs for all students in the class during the exam time