

COMP 1030
Final Exam

This Exam is worth 30% of your final grade

IMPORTANT Exam Information

You can start this exam anytime once it is posted and work on it up to the time it is due.

Due Date: TODAY 5pm ET, (Wednesday, April 15).

You may upload it after the due date/time, as the link will remain open, however a late penalty will be applied as per the table below:

Minutes Late	Penalty
Up to 15 minutes	5%
16-30 minutes	15%
31-45 minutes	45%
46 minutes or later	100%

Academic Integrity

This is an **INDIVIDUAL** exam. It will be assessed (using AI software) for similarity to other submissions, and if there is an unreasonable resemblance to other submissions, you will receive a grade of 0 and an academic misconduct will be filed. Please write answers **independently** and do not share your work with others. If two or more submissions show unreasonable similarities – **all** submissions will receive a zero.

If the work submitted appears to be materially beyond the caliber of work you have demonstrated to date, a one-on-one oral solution review may be required to assess if the submitted answers are understood. If you are unable to explain your answers you will be awarded a zero for the exam.

Follow all instructions exactly as written, failure to do so may result in grade reductions.

This exam is designed to ascertain your understanding of the concepts covered in this course. You will not be graded on spelling, sentence structure or flow. You will be graded on content only. All written answers and code must be original and cannot be plagiarised from third party sources which include, but are not limited to, course notes, text books or the internet. Any question which contains any plagiarized material will receive a grade of zero. Undue levels of plagiarism will receive an academic misconduct.

Submissions without a signed ***Declaration of understanding*** will not be graded.

Instructions

- Step 1 Paste the statement of declaration shown below at the top of your answer sheet. Please note that submissions without this ***Declaration of understanding*** will not be graded.

Declaration of understanding

I understand that plagiarised answers will receive a grade of zero and an possible academic misconduct.

I understand that an academic misconduct will result in an automatic zero in the exam in the event that this is my first offense and an automatic grade of zero in the course if this is my second offense.

I understand that all answer material, including sample code, must be original material.

I understand that "less is more", meaning that it is better to write less material(which is original) than to write more of someone else's material, in this case the less will score more grades.

I understand that plagiarism means to present someone else's material as my own.

I understand that to copy material from the internet, text books, course slides, or any other source, is a form of plagiarism.

I understand that to copy material from the internet, text books, course slides or any other source, and then to change a few words in that material is a form of plagiarism.

I understand that to copy material from the internet, text books, course slides or any other source, and then to paraphrase that material is a form of plagiarism.

I understand that the appropriate way to answer these exam questions is to write the answers in essay form or bullet point form in my own words based upon my current understanding of the material without referencing any material at this present time.

I understand that an oral one-on-one solution review will be requested if the submitted answers are materially beyond the caliber of work that I have demonstrated to date, and that I will receive a grade of zero if I am unable to clearly explain my answers to the satisfaction of the course Professor.

I have read and clearly understand each one of these statements, and accept the responsibility and penalty for any actions that I take which may contravene any one of these statements.

Name (type)_____

Student Number: _____

Signature: (draw with mouse or tablet pen):_____

- Step 2 Fill out the name and student number section of the ***Declaration of understanding***.

- Step 3 Sign the signature portion of the declaration of understanding by using the draw tool and your mouse or a tablet pen.

Step 4 In your own words, based upon lectures and lecture discussions, explain each of the following concepts or constructs and provide a properly labeled proof of concept code illustrating each aspect of the concept or construct and a short description of what the proof of concept code is illustrating. Each answer is worth 9 points. Complete each answer in the order they appear in the list below.

A typical answer will look like this for each concept/construct:

1 An initial paragraph(s) describing all aspects of the concept or construct.
2 Code segment 1 heading
3 A code segment 1
4 A code segment 1 description
5 Code segment 2 heading
6 A code segment 2
7 A code segment 2 description
8 Code segment 3 heading
9 A code segment 3
10 A code segment 3 description
Etc...(as required)

1. Composition
2. Re-use
3. Constructors/constructor overloading
4. Switch statement
5. Static methods
6. Multi-dimensional arrays
7. Exception handling
8. Wrapper classes

Before uploading please ensure a signed *Declaration of understanding* is included as a header in your submission. Submissions without a signed declaration of understanding will not be graded.