Introduction to Program Construction 1
Module Overview

Dr. Seán Russell

School of Computer Science,
University College Dublin

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- The course website is `http://csmoodle.ucd.ie/moodle/`

- Use your UCD login Details

- The course name is COMP1004J Introduction to Program Construction 1

- The enrolment key is 2021programming

- This is where you will find all lectures and other work

- A textbook has been written for this course and is available on moodle

- All materials will be covered in the lecture notes, but for more detail/examples the book is useful

- If you want more reading material consider the following:

  - Introduction to Computer Science using Python: A Computational Problem-Solving Focus by Charles Dierbach

  - Python Crash Course: A Hands-On, Project-Based Introduction to Programming by Eric Matthes

- Lectures will be a series of videos covering a topic

- These are designed to be between 5 and 15 minutes for each video

- You can watch them all together, or at different times

- Most will be videos of me explaining over PPT

- But I will also include examples of live programming recorded on my computer

- The duration of lectures will vary a little from week to week

- Depending on topic or number of examples

- The first week of the course you will be expected to watch lectures longer than the normal

- **Every** week you will have some work to do

- I will try to make the work available as early as possible (before the start of the week)

- You can do the work before it is due, but cannot after the deadline has passed

  - Pay close attention to the submission dates on moodle

- The module will be assessed based on the following components:

  - Syntax Quizzes   5%

  - Code Tracing Quizzes   5%

  - Larger Programming Problems   5%

  - Assignment   15%

  - Exams   70%

Syntax Quizzes

- There will be questions every time we learn a new concept

- These questions are designed to test that you can use the new concept

- These questions will not require any problem solving

- The lowest scoring quiz score will not be included in your total

Code Tracing Quizzes

- These quizzes will have questions that require you to trace some code

- This is about showing you understand how the computer executes code

- The lowest scoring quiz score will not be included in your total

Larger Programming Problems

- These quizzes will have questions requiring you to write programs

- The goal of these questions is for you to practice problem solving

- The lowest scoring quiz score will not be included in your total

Assignment

- You will be required to complete an assignment as a part of the course

- This will be a large task, that you must complete on your own

- The details of the task will be released by week 3/4

- The assignment must be submitted by 2021-12-10 (December 10th)

Exams

- 70% of your grade will be based on end of semester exams

- Ideally, we will have a written exam on paper and a programming exam on the lab computers

- This will be flexible, if we are unable to hold exams in person an online programming exam will be used

Plagiarism is a **very serious** academic offence.

- (Student Code, sections 6.2 & 6.3) or (UCD Registry Plagiarism Policy) or (CS Plagiarism policy and procedures)

- **I** will be looking for possible plagiarism in all submitted work

- Suspected plagiarism is investigated by the CS Plagiarism subcommittee

- Usually includes an interview with student(s) involved

  - 1st offence: **usually** 0 or NG in the affected components
  - 2nd offence: may be referred to the University disciplinary committee

- Student who **enables** plagiarism is **equally responsible**

- http://www.ucd.ie/students/guide/academicregs.html

- http://libguides.ucd.ie/academicintegrity

- Copying the files of another student and submitting them as your own work

- Copying some/all of an assignment from the Internet/book/etc without referencing it

- Sharing images of your work with another student (by e-mail, Wechat, ...)

- A group of students working on a solution, then individually submitting the same work

- Students collaborating at too detailed a level e.g. consulting each other after implementing a line/block/segment of code and sharing the results

When you have a question, there will be a number of options available to you.

1. Ask the question on the moodle forum

2. Email me with your question

3. Ask a question during my on-line office hours

- This is where you should first think of when you have a question outside of lab times

- That way when the question is answered the answer will be available to your classmates

- It would be particularly helpful if you answer your classmates questions if you can (In English) as you will probably be able to do this quicker than me

- I will check over any answer posted and correct them if necessary

- Comment when you also have the same question, then I can make extra resources like more videos if necessary

- I will only respond to administrative questions by email

- Technical questions that I get by email will be ignored unless they were first asked on the forum

- You should only be emailing me if you have a question about an administrative matter (registration or some other problem)

- Use your UCD email address

- Many Chinese email addresses will be considered Spam

- This means that if you are lucky, I will see your email a few weeks later, and if you are unlucky I will never see it

- I will be aiming to run on-line office hours at least once every 2 weeks

- These are classes that you do not have to attend, but can come to if you have any questions

- The schedule will be based on how often the office hours are used