EECS 1530 - Computer Use: Programming
Class times: Monday & Wednesday at 5:30-7:00pm
Location: TBA
Winter 2020

Contact Information
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Office hours: LAS 2002A - Tuesdays 10-11am & Wednesday 4-5pm

Course description
Concepts of computer systems and technology — e.g. software engineering, algorithms, programming languages and theory of computation are discussed. Practical work focuses on problem solving using a high-level programming language. The course requires extensive laboratory work.

Note: This course is designed for students who are not Computer Science or Computer Engineering majors. However, those who wish to major in Computer Science but lack programming background may use it as preparation. Students who plan to major in Computer Science must also take CSE 1020 3.00 and CSE 1030 3.00. This course **does not** count as a Computer Science major credit.

Course credit exclusions
LE/CSE 1530 3.00, AK/AS/SC/CSE 1530 3.00, LE/EECS 1540 3.00, LE/CSE 1540 3.00, AK/AS/SC/CSE 1540 3.00.

NCR Note: This course is **not** open to any student who has passed or is taking LE/EECS 1020 3.00 or LE/SC/CSE 1020 3.00 or LE/EECS 1021 3.00 or LE/EECS 1022 3.00 or AP/ITEC 1620 3.00

Main Topics
- Use Python to write small programs
- Learn basic programming concepts
- Familiarize with data science concepts such as simple data analysis

Learning Objectives for the Course
By the end of this course a student should be able to:
- Understand basic programming terminology
- Create and execute simple programs
- Understand basic data science terminology and concepts
- Be able to use the internet to find solutions for simple programming problems

Texts, Materials, and Supplies
- All materials will be provided through Moodle
  - For assignments, lecture notes, grade distribution, official announcements, etc

Course Announcements on Moodle

Course announcements will be posted on Moodle in the "Course Announcements" forum. By default, all enrolled students should receive an email notifying them of a new announcement. Regardless, it is the responsibility of each student to be aware of all course announcements that are made, so check the forum regularly.

Workload

- **Class**: Lecture slides and demo material is provided on Moodle, however, this will not include any additional information discussed in class.
- **Homework**: There will be weekly assignments and a project.
- **Exams**: There will be two tests and one final exam.

Important Dates

Quiz 1: January 29th, 2020

Quiz 2: March 4th, 2020

Quiz 3: March 25th, 2020

Final: April TBD

Email Policies

- **For questions regarding course material and concepts**, we highly encourage you to ask questions in lecture, during office hours, and use the Moodle discussion forum, before emailing the course instructor.
- **For administrative matters** (e.g., missing an assignment or a test), email the course coordinator and provide proper documents. You should use Moodle to upload any paperwork within the designated deadlines. Email should be used only for special circumstances that are not facilitated in Moodle.
- Only use your York email account. We may not see/reply to your email if it's sent via other accounts (such as yahoo, hotmail, etc.)
- Include "EECS1530" and a brief indication of the topic in the subject line. In addition, include your formal name, Passport York username, and student number in the body of your email. This is necessary to access your course materials. Also include any additional information that is pertinent to the topic of your email.

Grading

- The final grade of the course will be based on the assessment items below, using the weights indicated. No "extra credit" assignments will be provided. In order to be fair and consistent with regards to the entire class, individual grades are non-negotiable.
- Remark requests: If you believe that an assignment was graded incorrectly, you may request a reappraisal of the work. A reappraisal request must be properly uploaded in the Moodle page before the **deadline** (which is up to one week of receiving the original grade). It is essential that you clearly explain why you think the work should be re-marked; otherwise, the grade will remain unchanged.
    - **Note**: that the assignment will be re-graded in its entirety and that re-grading can result in the grade being raised, confirmed, or lowered. Also note that remark requests will be processed within four weeks after the deadline.

Final Grade Breakdown:

Quiz 1	10% of final grade
Quiz 2	10% of final grade
Quiz 3	10% of final grade
Final	45% of final grade
Homework	20% of final grade
Pre-class Quiz	5% of final grade

Syllabus Template

Grading scale*:

Percentage	Letter Grade	Grade Definition	
90-100	A+	Exceptional	Thorough knowledge of concepts and/or techniques and exceptional skill or great originality in the use of those concepts/techniques in satisfying the requirements of an assignment or course.
80-89	A	Excellent	Thorough knowledge of concepts and/or techniques together with a high degree of skill and/or some elements of originality in satisfying the requirements of an assignment or course.
75-79	B+	Very Good	Thorough knowledge of concepts and/or techniques together with a fairly high degree of skill in the use of those concepts/techniques in satisfying the requirements of an assignment or course.
70-74	B	Good	Good level of knowledge of concepts and/or techniques together with considerable skill in using them to satisfy the requirements of an assignment or course.
65-69	C+	Competent	Acceptable level of knowledge of concepts and/or techniques together with considerable skill in using them to satisfy the requirements of an assignment or course.
60-64	C	Fairly Competent	Acceptable level of knowledge of concepts and/or techniques together with some skill in using them to satisfy the requirements of an assignment or course.
55-59	D+	Passing	Slightly better than minimal knowledge of required concepts and/or techniques together with some ability to use them in satisfying the requirements of an assignment or course.
50-54	D	Barely Passing	Minimum knowledge of concepts and/or techniques needed to satisfy the requirements of an assignment or course.
Marginally below 50	E	Marginally Failing	
Below 50	F	Failing	

*basic York University grading scale

Recording Lectures

Images and materials presented in lectures are subject to Canadian copyright law. Lectures are the intellectual property of the professor. Course materials are the intellectual property of the associated author(s). Neither lectures nor course materials should be distributed without explicit written permission from the professor or author.

Photographs and audio recordings are permitted, provided they are used only as a personal study aid. They may not be sold, passed on to others, or posted online. Lectures can only be recorded from your seat.

Academic Honesty

Students are expected to do their own work and to act with integrity. Looking at someone else's work during a test, talking during a test, using aids not permitted (such as a phone, calculator, smart watch) during a test, plagiarism, not reporting cheating by someone else, and impersonation are all examples of academically dishonest behavior.

We take matters related to academic dishonesty seriously and we take measures to detect irregularities during all assessments. For example, network traffic may be logged, video surveillance could be in place, and multiple versions may be used. Also, various technological means may be used to ensure academic integrity.

Students are expected to read and understand the [Senate Policy on Academic Honesty](). If you have any questions about the policy or would like to report a violation, please speak with your instructor.

Academic Integrity: There is an academic integrity website with comprehensive information about academic honesty and how to find resources at York to help improve students' research and writing skills, and cope with University life. Students are expected to review the materials on the [Academic Integrity]() website.