

# COMP 1113 COIN5: Computer Programming 1

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## Syllabus

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### Course Overview

We use computers to view images and listen to music. Our computers also have software to manipulate this media.

In this course, we write our own software package to manipulate picture and sound files.

"We know that most people will use professional-grade applications to perform these type of manipulations. But, knowing how to write your own programs means that you can do more than what your current application allows you to do. Your power of expression is not limited by your application software." (p. xvii of the course text)

The language used in the course is Python which is used extensively by the computer industry (e.g., Google).

The overall course objectives are:

- To write properly structured programs.
- To learn Python.
- To learn, manipulate, modify, and write multi-media programs.
- Learn about variables, assignments, sequential operations, iteration, conditionals, multi-dimensional arrays, and functions.

Pre-requisites: NS Grade 12 Academic or Advanced Math (or equivalent) or Pre-calculus or 3 h of mathematics.

Anti-requisites: Credit cannot be obtained for both COMP 1113 and COMP 1893.

### Instructor

Dr. Trudel trains English Springer Spaniels and competes with them across North America. He currently owns 12 dogs. To pay for the dog food and diesel, he has been a professor at Acadia since 1989. He currently teaches the first year programming courses COMP 1113 and 1123.



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## Course Materials

### Textbook:

Introduction to Computing and Programming in Python - A Multimedia Approach

Mark J. Guzdial and Barbara Ericson

Fourth Edition

ISBN 10: 0-13-402554-7

ISBN 13: 978-0-13-402554-4

**NOTE:** The final exam is open book and no computer is allowed. Using an electronic version of the text is not recommended!

**Software:** Installation instructions for all the software are provided in Module 1.

- Java: Windows users need to install the latest version of Java. Apple users should have this software already installed.
- Jython: A version of Python implemented in Java.
- JES: Python programming environment. Note that you must use JES because it has certain built-in multi-media features that we use.
- Media files: Copies of all the files used in the text.
- Code from each chapter of the text.

## Evaluation

If you fail the exam, the course grade is F. Otherwise, your course grade is calculated as follows:

Assignments	20%
Final Exam	80%

All assignments are submitted electronically via Moodle.

The final exam is open book. Only the course textbook is allowed. NO COMPUTERS, notes or printouts are allowed in the final exam.

## Exam

How to apply: Fill out the form 'Apply to write the Final Exam' link in the final module of your course.

#### Proctored at Acadia

- The final exam in an online course must be passed to successfully pass the course unless otherwise stated in the assessment section of the course syllabus. There are no rewrites or supplemental examinations at Acadia University.
- Examination requests must be received 14 days or 2 weeks prior to the date you wish to write your examination.
- Course requirements must be completed to the satisfaction of your instructor.
- Graduating Students Note: If you are graduating in Spring Convocation you must write by April 15th. If you are graduating in the Fall you must write by September 15th.

#### Proctored at Another Location

If it isn't practical to take your exam at Acadia, off-campus exams can be written at another university or college. Arrangements for an examination may be made through the Registrar's Office or the Continuing Education office of most universities and colleges. If it is not possible to write your exam at an approved institution, please contact us for assistance.

- All fees associated with examinations written at other locations are your responsibility.
- Some courses may require specific software or internet accessibility at the off-campus examination location.

## Student Handbook

You are responsible for becoming familiar with the contents of the Student Handbook. It contains important information about scheduling examinations (if applicable), applying for extensions, withdrawing from your course, ordering books, and computer and library services available to you. If you have questions about the policies outlined in the handbook (<https://courseware.acadiau.ca/openacadia/studenthandbook.html>), contact:

#### Open Acadia

21 University Avenue (Rhodes Hall)

Wolfville, NS B4P 2R6

Phone: 1-800-565-6568

Fax: 1-902-585-1068

Email: [openacadia@acadiau.ca](mailto:openacadia@acadiau.ca)

## Academic Integrity

Academic integrity demands responsible use of the work of other scholars. It is compromised by academic dishonesty such as cheating and plagiarism. A student who is uncertain whether or not a course of action might constitute cheating or plagiarism should seek in advance the advice of the instructor involved.

- Cheating is copying or the use of unauthorized aids or the intentional falsification or invention of information in any academic exercise
- Plagiarism is the act of presenting the ideas or words of another as one's own. Students are required to acknowledge and document the sources of ideas that they use in their written work.
- Self-plagiarism is also a form of plagiarism. It is the presentation of the same work in more than one course without the permission of the instructors involved.
- A student who knowingly helps another to commit an act of academic dishonesty is equally guilty.
- Penalties are levied in relation to the degree of the relevant infraction. They range from requiring the student to re-do the piece of work, through failure on that piece of work, to failure in the course, and to dismissal from the university.

## Course Schedule

You have 6 months to complete this course.

Please do not leave all of your course work until a few weeks before your completion date. Although I will make every effort to accommodate your schedule within reason, I need time to grade assignments and mark exams.

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◀ [Course Introduction Video \(hidden\)](#)

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