

# COMP 1123 N5: Computer Programming 2

[Dashboard](#) / [Courses](#) / [COMP 1123 N5 Home](#) / [COMP 1123](#) / [Syllabus](#)

## Syllabus

### Course Overview

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This course is a continuation of COMP 1113 which covered Python using a multi-media approach. The emphasis in COMP 1123 is object oriented programming using Java. We study problem-solving methods and algorithm development using an object based approach. Multi-media is used to a lesser extent in this course. Almost every chapter will have a graphical user interface component.

The overall course objectives are:

- To write properly structured and documented programs.
- To solve real world problem using classes and objects.
- To build graphical interfaces to interact with the user for both input and output.
- To understand how to define, manipulate, and use arrays of any dimension.
- To understand and take advantage of advanced object oriented concepts such as inheritance and polymorphism.
- To build robust programs that detect erroneous conditions and deals with them using exceptions.
- To understand recursion and be able to determine when it is useful to use.

### Instructor

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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.



**Contact Information:**

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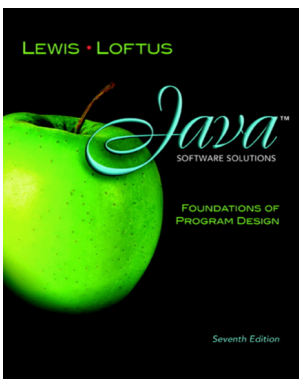
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## Course Materials

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**Textbook:**



Java Software Solutions: Foundations of  
Program Design

John Lewis and William Loftus

9th Edition

ISBN-13: 978-0-13-446202-8; ISBN-10: 0-13-  
446202-5

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

**Java:**

Windows users need to install the latest version of Java. Apple users should have this software already installed. Installation instructions are provided in Module 1.

### **DrJava:**

The development environment used for writing Java programs is [DrJava](#). Installation instructions are provided in Module 1. If you insist on using a different development environment, it is your responsibility to ensure that your code runs in DrJava. The assignments are graded using DrJava.

## Evaluation

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Assignments	25%
Quizzes	5%
Final Exam	70%

All assignments are submitted electronically via Acorn.

The last assignment should be received at least 4 weeks prior to the date you wish to write the exam. This will allow adequate processing time for the request, and for setting the exam.

The quizzes can be attempted as often as you like.

The final exam is open book. Only the course text book is allowed. NO COMPUTERS are allowed in the final exam.

## Exam

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How to apply: Complete the [Application for Examination](#)

### **Proctored at Acadia**

- The final exam in a distance education course must be passed to successfully complete the course. There are no rewrites or supplemental examinations at Acadia University.
- Examination requests must be received one month 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 Fall Convocation 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.

Please schedule the final exam with Open Acadia.

The final exam is open book. Only the course text book is allowed.

**No computers or electronic devices allowed during the final exam.**

## Student Handbook

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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](#), contact:

Open Acadia  
21 University Avenue (Rhodes Hall)  
Wolfville, NS B4P 2R6  
Phone: 1-800-565-6568  
Fax: 902-585-1068  
Email: [openacadia@acadiu.ca](mailto:openacadia@acadiu.ca)

## Academic Integrity

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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

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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..

[Click here to return to the Module](#)

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