

# COMP 248 Object-Oriented Programming I (3 credits)

## 1. General Information

- COMP 248: Object-Oriented Programming I (3 credits)
- Lecture time: Monday and Wednesday 13:30-16:00
- Room: H-520
- Lab sessions will begin in the second week of class.
- Instructor: Benjamin Fung, *Ph.D., P.Eng.*, Concordia Institute for Information Systems Engineering, ENCS, Concordia University
- Telephone: 514-8482424 ext. 5919
- E-mail: [fung@ciise.concordia.ca](mailto:fung@ciise.concordia.ca)
- Office: EV7.628
- Office hour: Monday and Wednesday 16:00-16:30
- Course website: <http://www.ciise.concordia.ca/~fung/COMP248/>. The webpage will contain announcements related to the class, pointers to documents, class notes, assignment description, etc. The username and password required to access this page will be provided in class. Check the website and your e-mails for important notices.

## 2. Course Description

The primary objective of this course is to enable you to understand the basic principles of programming. The language used for the course is Java. Java was chosen because it is an object-oriented programming language and also because it is widely used in industry. In general, the course will include discussions and explanations of the following subjects: introduction to programming writing; compiling and running programs; expressions, variables and assignments; control structures; classes and objects; methods; and arrays.

**Prerequisite:** It is expected that you have some experience with Computers (how to use them). It is helpful, but not necessary, to have some experience in programming with any other computer languages, such as C++, C, or Visual Basic. During the first one or two tutorials, your tutors will provide a gentle introduction to computers and to the programming environment.

**Important:** Laptops can be used to read lecture notes during the lectures, but not for other purposes. Other communications devices, such as cellular phones and text/video messaging devices, have to be turned off during the lectures.

## 3. Learning Outcomes

By the end of this course, students are expected to:

- Be capable to design, manage, and implement small-scale procedural programs in C++.

- Have a working knowledge of C++ and important tools including editors, debuggers, syntax checkers, program libraries, etc.
- Understand the basic concepts of object-oriented programming.

#### 4. Tentative Schedule

- See course website

#### 5. Course Materials

The textbook for the course is: Absolute Java 4th Edition, by: Savitch, published by Addison Wesley, 2009.

The course covers the material in the first few chapters of the book (not necessarily in the same order).

#### 6. Assignments and Grading

The course has a reasonable amount of load, with several new concepts and a fair bit of programming workload. Therefore, you should be prepared to spend adequate time and effort on this course. The grading of the course is as follows:

**Participation: 5%**

Attend all lectures.

**Assignments: 15%**

There will be 3 programming assignments. The assignments are very important because you will learn most of your practical programming experience through the assignments. Please note that all assignments will be placed on the website no hardcopies of the assignments will be distributed in class. You must attach [Expectations of Originality form](http://www.ciise.concordia.ca/currentstudents/forms/expectation.pdf) <http://www.ciise.concordia.ca/currentstudents/forms/expectation.pdf> to each submitted assignment; otherwise, the assignment will not be marked.

**Midterm Exam: 25%**

There will be one midterm exam. The date for the exam will be announced at the beginning of the term. The midterm will cover all material presented in the lectures, the textbook, and in the assignments, up to and including the lecture preceding the exam. There is no substitution to a missing midterm, so you must make sure that you write that exam at its scheduled time.

**Final Exam: 55%**

The final exam will be scheduled by the University Exam's office. The exam will cover material from the entire semester, including lectures, textbook, and assignments. Passing the final exam is necessary for passing the course.

**Important:** There is no substitution to a missing exam, so you must make sure that you write that exams at their scheduled time. You may ask for a make-up exam or later submission of assignments ONLY under a university-approved condition, such as sickness with a doctor's note. Other events such as a business travel cannot be an excuse. You need to inform the instructor as early as possible, unless it is an emergency. Note that, your request is not accepted, until you receive an explicit confirmation from the instructor. Do keep the confirmation as a proof.

There are no pre-set cutoff points for the final grades; the cutoff points will be decided based on an assessment of difficulty level, class performance, and fairness. That is, there is no definite rule for translation of number grades to letter grades.

In the event of extraordinary circumstances beyond the University's control, the content and/or evaluation scheme in this course is subject to change.

Plagiarism, absenteeism, lack of preparation, and lack of effort will result in a failing grade.

## 7. Academic Code of Conduct

### **Academic Integrity**

Any form of cheating, plagiarism, personation, falsification of a document as well as any other form of dishonest behaviour related to the obtention of academic gain or the avoidance of evaluative exercises committed by a student is an academic offence under the Academic Code of Conduct and **may lead to severe penalties up to and including suspension and expulsion.**

As examples only, you are not permitted to:

- Copy from anywhere without indicating where it came from
- Let another student copy your work and then submit it as his/her own
- Hand in the same assignment in more than one class
- Have unauthorized material or devices in an exam. Note that you do not have to be caught using them – just having them is an offence
- Copy from someone's else exam
- Communicate with another student during an exam
- Add or remove pages from an examination booklet or take the booklet out of an exam room
- Acquire exam or assignment answers or questions
- Write an exam for someone else or have someone write an exam for you
- Submit false documents such as medical notes or student records
- Falsify data or research results

You are subject to the Academic Code of Conduct. Take the time to learn more at <http://provost.concordia.ca/academicintegrity/>

## 8. Student's Responsibilities

- Students are expected to attend every class. Some material may only be covered in class and not made available on the course website. Students are expected to read the assigned materials and to actively participate in class discussions.
- Students are expected to be respectful of other people's opinions and to express their own views in a calm and reasonable way. Disruptive behaviour will not be tolerated.
- Students are expected to be familiar with the Code of Rights and Responsibilities:  
<http://rights.concordia.ca>
- If you cannot attend class for any reason, unforeseen or not, you are to come and talk or write to me as soon as possible.

## 9. Student Services

- **Concordia Counselling and Development** offers career services, psychological services, student learning services, etc.  
<http://cdev.concordia.ca>
- **The Concordia Library Citation and Cycle Guides:**  
<http://library.concordia.ca/help/howto/citations.html>
- **Advocacy and Support Services:**  
<http://supportservices.concordia.ca>
- **Student Transition Centre:**  
<http://stc.concordia.ca>
- **New Student Program:**  
<http://newstudent.concordia.ca>
- **Office for Students with Disabilities:**  
<http://supportservices.concordia.ca/disabilities/>
- **The Academic Integrity Website:**  
<http://provost.concordia.ca/academicintegrity/>