COURSE INFORMATION Winter 2017
60-212 Object-Oriented Programming in Java
School of Computer Science, University of Windsor

Instructors

Dr. Dan Wu
School of Computer Science
Room: LT 8116
Email: danwu@uwindsor.ca
Tel: (519) 2533000 Ext 3777

Course Description

Concepts of classes and objects, Java applications, frames, event handling, control structures, methods, arrays, string manipulations, object-based programming, object-oriented programming - inheritance, polymorphism, interface and abstract classes, anonymous classes, data structures in Java, exception handling, introduction to graphical user interface.

Pre-requisites

60-141.

Recommended Resource Material

Walter Savitch, "Absolute Java", Addison-Wesley.
Bruce Eckel, "Thinking in Java", Electronic book: www.mindview.net/Books/TIJ/

Lectures

Mondays and Wednesdays, 1000 - 1120, Room: DH264

Labs

Students must register in one of the following two lab sections.

Section 51 – Mondays, 1300 – 1420, ER3119
Section 52 – Mondays, 1430 – 1550, ER3119

Note: All students must check the SIS to ensure that they are enrolled in a lab section as well as in a lecture section.

Office Hours

Mondays and Wednesdays, 1130 - 1230, Room: LT8116

E-mail is one of the best methods to contact the instructor. Only emails originating from a valid University of Windsor student account will be accepted from students wishing to contact the instructors. Students must include their full names and student ID's in their correspondence.

Teaching Evaluation

Student Evaluation of Teaching (SET) forms will be administered during the last two weeks of the class schedule.

Examinations

Lab Test 1:	Monday,	Jan. 30, 2017,		Location: ER3119
Lab Test 2:	Monday,	Feb. 27, 2017,		Location: ER3119
Lab Test 3:	Monday,	Mar. 13, 2017,		Location: ER3119
Lab Test 4:	Monday,	Mar. 27, 2017,		Location: ER3119
Midterm:	Wednesday,	Mar. 1, 2017,	1000 – 1120,	Location: DH264
Final Examination:	Saturday,	Apr. 8, 2017,	1530 --1830,	Exam Slot: TBA

Course Evaluation

12%	up to 7 Laboratory
20%	4 Laboratory tests
30%	Midterm
38%	Final Exam

Grading

The university is now using a new 100% grading system according to the following Senate Policy.

Only numeric final grades will be issued to students and all grades below 50% are considered failures.

Notes to Students

General

0. No student is allowed to take a course more than two times without permission from the Dean
1. A Blackboard website will be set up for this course. The URL will be announced in class. Lab materials will be available online as the course progresses.
2. Students should read the material in the textbook/course notes before coming to class. Most of the lecture time will be devoted to problem solving that illustrates the topic being discussed. Students are expected to actively participate in the discussions and answer questions.

Laboratory sessions

3. Labs are expected to be completed on the assigned due date and time. Students must allocate enough time to complete the lab assignments; start early and report difficulties to the instructor.
4. Each lab carries some marks. The grade will be awarded based on completing a working program corresponding to the lab assignment given in the previous week. Each student will have to submit lab assignment online via Blackboard and sign an attendance sheet before he/she leaves the lab.
5. If a student is caught adopting unfair means such as copying, no marks will be awarded for the lab.
6. The lab instructor will allow a student to attend only his/her scheduled laboratory session.
7. If a student misses a lab due to serious reasons (e.g., medical reasons), he/she has to bring in documentation (e.g., a copy of the doctor's note) when s/he comes to the next lab session.
8. Students must keep a copy of each of laboratory work in their directory. If a student finds that some of his laboratory works were not graded, he/she must appeal **WITHIN 3 days** after the lab mark is posted**.** Late appeals will not be considered.

Exams

9. The midterm and the final tests will be **open book tests**.
10. Once a student attends a test, the grade in that test cannot be overlooked for any reason. If a student is ill on the day of the test or has any other difficulty, s/he must contact the course instructors before the test and will be required to submit a written application including a doctor's note in case of illness.
11. There will be **no make-up test** if a student misses a midterm test. A student who misses a midterm test due to unavoidable reasons must submit a request, with adequate documentation (e.g., doctor's note), to prorate their grade within **48 hours** of the scheduled midterm test. The prorating will be done on the basis of other **written or lab tests** and **will not** include the lab assignment grades. If a student misses an exam on medical ground, a copy of the "Student Medical Certificate" filled in and signed by a qualified physician is the only acceptable doctor's note.
12. If a student misses the midterm test, s/he must contact course instructors to determine what should be done.
13. If a student misses the final examination due to serious and unavoidable reasons, s/he must contact Dr Dan Wu and submit a written request by 12 Noon, Tuesday, **Apr. 11, 2017**, with adequate documentation (e.g., doctor's note), to take a supplementary test. Such a student will be allowed to take a supplementary test. When setting the supplementary test, the instructors will take into account the fact that the student had more time to prepare for the test and may involve an oral test to be administered by a course instructor.
14. Students will not be allowed to get their test booklets back. They will get a chance to look at their tests and may request a copy of their midterm tests by paying the appropriate photocopying charges. Announcements will be made indicating how the students may look at their midterm tests and the final test.
15. Students should refer to online 2017 undergraduate calendar for the policy on plagiarism. All cases of academic misconduct will be reported to the Director, School of Computer Science and appropriate actions will be taken.
16. If a student becomes ill either before or during a test, it is his/her responsibility to get a doctor's note. No consideration will be made without an adequate doctor's note (see requirements for a doctor's note given below).
17. Once a student writes a test and hands it in, his/her grade for the test cannot be prorated, ignored or replaced by his/her grades for other exams.

Requirements about Doctor's note

18. If a student misses a lab or a test (lab test, midterm test or the final examination) due to medical reasons, a doctor's note must be submitted immediately. The student must submit a Xerox COPY of the doctor's note and keep the original until at least Sep. 1, 2017. The doctor's note **must indicate** specifically that the **student was medically unfit for the day** of the test, project presentation or lab; otherwise the note will not be allowed. The only valid doctor note is a copy of the **Student Medical Certificate** [1]filled in and signed by a certified medical doctor.

Policies regarding appeals for grade changes

19. An appeal for a lab mark will be considered only if the student has signed the attendance sheet during his laboratory slot and has not copied the lab from someone else. If two students submit similar programs, both will be given 0 for the lab.
20. As a result of an appeal, the mark assigned may **go up or down or not change**.

Examples of academic misconduct by students

Some typical examples of improper conduct during a written test which may lead to severe disciplinary measures against students are given below. The list is not exhaustive.

[1] http://www.cs.uwindsor.ca/download/2300/Medical_Certificate.pdf

- Submitting a program very similar to that submitted by another student or a program available somewhere else (e.g., a book or a web site). If two programs are different only in variable names or comments, they would be viewed as being similar.
- Communicating with any unauthorized person during an examination in any way (e.g., verbally, using a cell phone, passing messages in some form to another student).
- Bring into an examination any unauthorised material (e.g., a book or a class note which is marked in any way, bringing any unauthorized documents or aids).
- Attempting to obtain, by any means, a copy of the test before the examination takes place. This includes stealing a test, buying a test before the examination is held, accepting (from anyone) a copy of the test before the examination is held.
- Starting to write a test before the test is officially scheduled to start.
- Refusing to stop writing a test when the test is over.
- Refusing to obey the instructions of the officer in charge of an examination.

Tentative course lecture schedule

**(The instructor reserves the right to change the outline to accommodate student pace and understanding of the subject matter)*

Week	Lecture Topic	Lab & Exam Info
Week 1 (Jan 9 -13)	**Introduction to the course and the Java language**	**No lab**
Week 2 (Jan 16 – 20)	**Control statements**	**Lab 1**
Week 3 (Jan 23 – 27)	**Classes, objects, and methods (I)**	**Lab 2**
Week 4 (Jan 30 – Feb 3)	**Classes, objects, and methods (II)**	**Lab Test 1**
Week 5 (Feb 6 – 10)	**Arrays, Strings, StringBuffers**	**Lab 3**
Week 6 (Feb 13 – 17)	**Programming techniques (I): Recursion**	**Lab 4**
Week 7 (Feb 20 – 24)	***Study Week***	***No lab***
Week 8 (Feb 27 -- Mar 3)	**Inheritance and Polymorphism (I)**	**Lab Test 2, Midterm**
Week 9 (Mar 6 – 10)	**Inheritance and Polymorphism (II)**	**Lab 5**
Week 10 (Mar 13 – 17)	**Object Oriented Programming techniques**	**Lab Test 3**
Week 11 (Mar 20 – 24)	**Object Oriented Programming techniques**	**Lab 6**
Week 12 (Mar 27 – 31)	**GUI**	**Lab Test 4**
Week 13 (Apr 3– Apr 5)	**Exception Handling**	**No Lab**