COSC 111: Computer Programming I (Winter 2017T2)

Instructor:	Dr. Bowen Hui
Class Schedule:	W 5:00 PM – 8:00 PM
Location:	SCI 333
Office Hours:	Wed 3:30 PM – 5:00 PM, in SCI 257, or by appointment
Course Website:	https://people.ok.ubc.ca/bowenhui/111/
E-mail:	bowen.hui@ubc.ca

Academic Calendar Entry
COSC 111 (3) Computer Programming I
Introduction to the design, implementation, and understanding of computer programs. Topics include problem solving, algorithm design, and data and procedural abstraction, with emphasis on the development of working programs. This course should be followed by COSC 121.

Prerequisites: A score of 70% of higher in one of Math 125, Math 12, Prec 12.

Course Format
The course will be delivered via in-class lectures complemented by out-of-class readings, assignments, and labs. In addition, this class will also have in-class activities, both individual and team-based. Course content will be posted on the course website. Midterm break and other calendar dates can be found at http://okanagan.students.ubc.ca/calendar/

Learning Outcomes
Upon completion of this course, students will be able to:
- Become familiar with basic computer system components
- Create, fix, and extend simple software programs in Java
- Design and develop basic object oriented programs
- Appreciate the wide variety of research areas within computer science

Evaluation Criteria

Grading: Total 100%
- 10% In-Class activities
- 5% Online quizzes
- 10% Labs
- 15% Assignments
- 60% Exams, broken down as follows:
  - 10% Midterm 1- tentatively week of Feb 07, 2018
  - 20% Midterm 2 (cumulative) – tentatively week of Mar 14, 2018
  - 30% Final Exam (cumulative)

Late Policy: No late submissions will be accepted without a medical note. All in-class activities must be done in class at the specified time and cannot be submitted late. Labs, online quizzes, and assignments are due on the posted dates at the specified time.

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Missed In-Class Activities: If the student misses in-class activity without a medical note, the mark received will be zero. If a medical note is provided to the instructor, then the mark will be waived from that portion of the course.

Missed Midterms: If the student misses a midterm without a medical note, the mark received will be zero. If a valid medical note is provided to the instructor, then the midterm portion of the grade will be combined with the other midterm and the final exam marks, so that all the exams are still worth 60% of the grade. If the student misses both midterms with valid medical notes then the final exam will be worth 60% of the course.

Missed Final Exam: If the student misses the final exam without a medical note that is acceptable by the Dean's Office, the mark received is zero. If a valid medical note is provided, alternate arrangement for a make-up final exam will be made with the permission of the Dean's Office.

Passing criteria:
- Students MUST achieve a passing grade of 50% or higher in the final exam.

Failure to satisfy the above criteria will result in a maximum of 45% grade.

Textbook

Required: Y.Daniel Liang. Introduction to Java Programming (Comprehensive Version), 10th edition.

Tentative Course Schedule
See the updated schedule on the course website. Topics include: introduction to computers, basic programming, conditionals, other classes (Math, String), loops, methods, arrays, multidimensional arrays, objects and classes.

Plagiarism and Collaboration
The "default" assumption is that students will work on assignments independently. Students who complete assignments with the aid of collaborators or other sources (e.g. other textbooks) must:

(i) acknowledge this fact (including the name(s) of other sources) at the start of their homework submission (see above),
(ii) produce an independent write-up (copied submissions are not permitted),
(iii) be prepared to explain their solutions in further detail, if asked, and
(iv) be prepared to have the assignment grade adjusted accordingly.

Plagiarism (the submission of work of another person as your own) and other anti-intellectual behaviour will not be tolerated. Your attention is directed to the "Student Discipline" section of the University Calendar as well as the UBC-V computer science Department Policy on "Plagiarism and Collaboration", available through the Undergraduate Web Page at http://www.cs.ubc.ca/our-department/administration/policies/collaboration. In particular, note that **it is not acceptable to make a solution available as an aid to others**.

Cooperation vs. Cheating
Working with others on assignments is a good way to learn the material and we encourage it. However, there are limits to the degree of cooperation that we will permit. Any level of cooperation beyond what is permitted is considered cheating.

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When working on programming assignments, you must work only with others whose understanding of the material is approximately equal to yours. In this situation, working together to find a good approach for solving a programming problem is cooperation; listening while someone dictates a solution is cheating. You must limit collaboration to a high-level discussion of solution strategies, and stop short of actually writing down a group answer. Anything that you hand in, whether it is a written problem or a computer program, must be written by you, from scratch, in your own words. If you base your solution on any other written solution, you are cheating.

There will be random audit of assignment solutions through internet-based source code search engine: Any assignment found to be significantly similar to a publicly available source code without the proper acknowledgment will trigger an investigation for academic dishonesty in addition to any copyright violation.

> If you have any doubt that an action you are considering might be construed, by anyone, as cheating, DON'T DO IT. Ask for permission first.

Grievances and Complaints Procedures
A student who has a complaint related to this course should follow the procedures summarized below:
- The student should attempt to resolve the matter with the instructor first. Students may talk first to someone other than the instructor if they do not feel, for whatever reason, that they can directly approach the instructor.
- If the complaint is not resolved to the student's satisfaction, the student should go to the departmental chair John Braun at SCI 388, 807-8032.

Academic Integrity
The academic enterprise is founded on honesty, civility, and integrity. As members of this enterprise, all students are expected to know, understand, and follow the codes of conduct regarding academic integrity. At the most basic level, this means submitting only original work done by you and acknowledging all sources of information or ideas and attributing them to others as required. This also means you should not cheat, copy, or mislead others about what is your work. Violations of academic integrity (i.e., misconduct) lead to the breakdown of the academic enterprise, and therefore serious consequences arise and harsh sanctions are imposed. **For example, incidences of plagiarism or cheating usually result in a failing grade or mark of zero on the assignment or in the course.** Careful records are kept to monitor and prevent recidivism.

A more detailed description of academic integrity, including the University's policies and procedures, may be found in the Academic Calendar at
http://okanagan.students.ubc.ca/calendar/index.cfm?tree=3,54,111,0.

Disability Assistance
If you require disability-related accommodations to meet the course objectives, please contact the Diversity Advisor of Disability Resources located in the University Centre, Room 227. For more information about Disability Resources or academic accommodations, please visit the website at : http://students.ok.ubc.ca/drc/welcome.html

Equity, Human Rights, Discrimination and Harrassment
UBC Okanagan is a place where every student, staff and faculty member should be able to study and work in an environment that isfree from human rights based discrimination and harassment.If you require assistance related to an issue of equity, discrimination or harassment, please contact the Equity Office, your administrative head of unit, and/or your unit's equity representative.

UBC Okanagan Equity Advisor: ph. 250-807-9291; email equity.ubco@ubc.ca
Web: www.ubc.ca/okanagan/equity

Health & Wellness
SAFEWALK
Don't want to walk alone at night? Not too sure how to get somewhere on campus? Call Safewalk at
250-807-8076. For more information, see:
http://www.ubc.ca/okanagan/students/campuslife/safewalk.html