THE UNIVERSITY OF WINNIPEG

APPLIED COMPUTER SCIENCE

Course Number: ACS-1904-001, 070L
Course Name: Programming II

1 Instructor Information

Instructor:	Jeanette Bautista
E-mail:	je.bautista@uwinnipeg.ca
Faculty Website:	http://faculty.acs.uwinnipeg.ca/jbautista/
Office Hours:	Mon/Wed 4:15 – 5:00 pm Office: 3C08B

Course Website:	http://courses.acs.uwinnipeg.ca/1904-001/
Class Meeting Time:	Mon/Wed 5:00 – 7:30 pm Room No: 3D04
Lab Time:	Tuesday 5:00 – 7:30 pm Room No: 3D03

2 Important Dates

1. First class: Monday, June 18, 2018
2. First lab: Tuesday, June 19, 2018
3. Canada Day (in lieu): Monday, July 2, 2018 (no class)
4. Midterm exam: Monday, July 9, 2018
5. Last class   Thursday, July 26, 2018 (make-up class for Canada Day)
6. Final exam: Monday, July 30, 2018, 6:00 – 9:00 pm
7. Final withdrawal date (without academic penalty): Monday, July 16, 2018.
   A minimum of 20% of the work on which the final grade is based will be evaluated and available to the student before this date.

3 Course Objectives/Learning Outcomes

This course examines more advanced programming concepts using the Java object-oriented programming language. Topics to be covered include major concepts of object-oriented design, inheritance, polymorphism, string/text processing, searching and sorting algorithms, recursion, exception handling and advanced file I/O, among others.

4 Evaluation Criteria

1. Labs (10%)
   - 10 labs (1-2 per week), evenly weighted
   - No late lab submissions accepted
2. Assignments (15%)
   - 4 assignments, evenly weighted
   - Assignments will be accepted up to 1 day late with a 25% penalty
   - Students are responsible for backing up and protecting their work
3. Midterm Exam (25%)
   - During the first half of the regular class time on July 9
   - See #4 below
4. Final Exam (50%)
   - Should illness prevent participation in a test or examination, a medical certificate from a certified physician must be supplied before any adjustments are considered.

Students should contact the instructor as soon as possible if extenuating circumstances require missing an assignment, test or examination.

5 Final Letter Grade Assignment

Historically, numerical percentages have been converted to letter grades using the following scale. However, instructors can deviate from these values based on pedagogical nuances of a particular class, and final grades are subject to approval by the Department Review Committee.

A+	90 – 100%	C+	65 – 69%
A	85 – 89 %	C	60 – 64%
A-	80 – 84%	D	50 – 59%
B+	75 – 79%	F	below 50%
B	70 – 74%		

6 Exam Requirements

- Photo ID is required for the final exam.
- The use of computers, calculators, phones, or other electronic devices is not permitted on exams.
- Midterm and final exams are closed book.
- Unless a medical certificate is provided, no accommodation is made for missed exams.

9 Required Textbook / Reading List

- Ron McFadyen, *Java with BlueJ Part 2,* University of Winnipeg, 2016.
  Available at www.acs.uwinnipeg.ca/rmcfadyen/CreativeCommons
- Class Notes will be available at http://courses.acs.uwinnipeg.ca/1904-001/

10 Prerequisite Information

- ACS-1903/3 with a minimum grade of C

11 List of Topics to be covered (tentative)

- Arrays
    - 1 & 2 Dimensions
- Objects and classes
    - more advanced topics
- Text Manipulation
- Inheritance
- Interfaces
- Advanced file I/O
- Exception handling
- Recursion
- Sorting and Searching
- Graphical User Interfaces (time permitting)

7 Services for Students

Students with documented disabilities, temporary or chronic medical conditions, requiring academic accommodations for tests/exams (e.g., private space) or during lectures/laboratories (e.g., notetakers) are encouraged to contact Accessibility Services (AS) at 786-9771 or accessibilityservices@uwinnipeg.ca to discuss appropriate options. All information about a student's disability or medical condition remains confidential http://www.uwinnipeg.ca/accessibility.

Students may choose not to attend classes or write examinations on holy days of their religion, but they must notify their instructors at least two weeks in advance. Instructors will then provide opportunity for students to make up work examinations without penalty. A list of religious holidays can be found in the 2017-18 Undergraduate Academic Calendar.

All students, faculty and staff have the right to participate, learn, and work in an environment that is free of harassment and discrimination. The UW Respectful Working and Learning Environment Policy may be found online at www.uwinnipeg.ca/respect .

8 Misuse of Computer Facilities, Plagiarism, and Cheating

Academic dishonesty is a very serious offense and will be dealt with in accordance with the University's policies. Be sure that you have read and understood Regulations & Policies #8, in the 2017-2018 UW Undergraduate Academic Calendar available at http://uwinnipeg.ca/academics/calendar/docs/regulationsandpolicies.pdf.

Additional information is available at University of Winnipeg library video tutorial "Avoiding Plagiarism" https://www.youtube.com/watch?v=UvFdxRU9a8g

Avoiding Academic Misconduct. Uploading essays and other assignments to essay vendor or trader sites (filesharing sites that are known providers of essays for use by others who submit them to instructors as their own work) involves "aiding and abetting" plagiarism. Students who do this can be charged with Academic Misconduct.

Avoiding Copyright Violation. Course materials are owned by the instructor who developed them. Examples of such materials are course outlines, assignment descriptions, lecture notes, test questions, and presentation slides. Students who upload these materials to filesharing sites, or in any other way share these materials with others outside the class without prior permission of the instructor/presenter, are in violation of copyright law and University policy. Students must also seek prior permission of the instructor /presenter before photographing or recording slides, presentations, lectures, and notes on the board.

12 Additional Course-Related Information

1. When it is necessary to cancel a class due to exceptional circumstances, instructors will make every effort to inform you via uwinnipeg email, as well as the departmental assistant and Chair/Dean so that class cancellation forms can be posted outside classrooms.
2. Your uwinnipeg email address will normally be used for course related correspondence.
3. Please note that withdrawing before the VW date does not necessarily result in a fee
4. Class make-up days are scheduled at the end of term for courses that conflict with holidays: July 26 for classes normally held on July 2 when the University is closed in lieu of Canada Day