THE UNIVERSITY OF WINNIPEG

APPLIED COMPUTER SCIENCE

Course number:	**ACS-1903-001, 070L**
Course name:	**Fundamentals of Programming I**
Course web page:	http://courses.acs.uwinnipeg.ca/1903-001/

1   Instructor Information

Instructor:	Jeanette Bautista		
E-mail:	je.bautista@uwinnipeg.ca		
Office hours:	Tuesdays/Thursdays	4:00 – 4:45 pm	Office: 3D25
Class meeting time:	Tuesdays/Thursdays	5:00 – 7:00 pm	Room: 3D04
Lab time::	Mondays	5:00 – 7:00 pm	Room: 3D03

2   Important Dates

1. First lab session: Monday May 6, 2019 (Course intro and Java basics/setup)
2. First class: Tuesday, May 7, 2019
3. Victoria Day: Monday, May 20, 2019 (no lab)
   Make-up day: Wednesday, May 22, 2019
4. Reading break   June 3-4 - *No labs or classes*
5. Midterm exam: Thursday, June 6, 2019
6. Canada Day: Monday, July 1, 2019 (no lab)
   Make-up day: Wednesday, June 26, 2019
7. Last class   Tuesday, July 2, 2019
8. Final exam: Friday, July 5, 2019
9. Final withdrawal date (without academic penalty): Tuesday, June 18, 2019
   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 introduces fundamental programming concepts using the Java programming language. Topics to be covered include primitive data types and their manipulation, control structures, classes, objects, methods, and ArrayLists.

4 Evaluation Criteria

1. Labs (10%)
   - 10 labs, evenly weighted
   - No late lab submissions will be accepted
   - Students are responsible for backing up and protecting their work
2. Assignments (10%)
   - 3 assignments, worth 3-4%
   - 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 regular class time on June 6
   - See #4 below
4. Final Exam (55%)
   - 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.

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., note-takers) 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 2018-19 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 2018-2019 UW Undergraduate Academic Calendar available at http://uwinnipeg.ca/academics/calendar/docs/regulationsandpolicies.pdf and the UW academic misconduct policy available at http://pace.uwinnipegcourses.ca/sites/default/files/pdfs/publications/Academic%20Misconduct%20Policy.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.

9   Required Textbook / Reading List

- Ron McFadyen, *Java with BlueJ Part 1, Version 3.0,* University of Winnipeg, 2017. Available at www.acs.uwinnipeg.ca/rmcfadyen/CreativeCommons
- Class Notes will be available at http://courses.acs.uwinnipeg.ca/1903-001/

10   Prerequisite Information

- Pre-Calculus Mathematics 40S or Applied Mathematics 40S or a grade of at least C in ACS-1805.
- ACS-1903L (lab) must be taken concurrently

11   List of Topics to be covered (tentative)

- Introduction to Java/BlueJ
- Basics: datatypes, variables, expressions, etc.
- Control structures: conditional, iteration
- Java class libraries: Random, Character, Math, Integer, Scanner
- ArrayLists
- Methods
- Classes: objects, constructors, fields, methods
- Graphical User Interfaces (time permitting)

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 students via uwinnipeg email (and/or using the preferred form of communication, as designated in this outline), as well as the Departmental Assistant and Chair/Dean so that class cancellation forms can be posted outside classrooms
2. Students are reminded that they have a responsibility to regularly check their uwinnipeg e-mail addresses (and/or using the preferred form of communication, as designated in this outline) to ensure timely receipt of correspondence from the university and/or their course instructors
3. Please note that withdrawing before the VW date does not necessarily result in a fee refund (June 18 is VW date for classes that begin May 6 and end July 3).
4. Make-up classes scheduled:
   Wednesday, May 22 (lab in lieu of Victoria Day)
   Wednesday, June 26 (lab in lieu of Canada Day)
5. No classes:
   Monday, May 20, 2019   Victoria Day
   June 3-4, 2019   Mid-term reading break
   Monday, July 1, 2019   Canada Day