



THE UNIVERSITY OF WINNIPEG

APPLIED COMPUTER SCIENCE

Course number: ACS-1903-051, 074L, 075L
Course name: Fundamentals of Programming I
Course web page: <http://courses.acs.uwinnipeg.ca/1903-051/>

1 Instructor Information

Instructor: Jeanette Bautista
E-mail: je.bautista@uwinnipeg.ca
Office hours: Fridays 3:45 – 4:45 pm Office: 3C08B

Class meeting time: Thursdays 6:00 – 9:00 pm Room: 3D04
Lab time - Sec 074L: Fridays 8:30 – 9:45 am Room: 3C13
- Sec 075L: Fridays 12:15 – 1:30 pm Room: 3D03

2 Important Dates

1. First class: Thursday, January 10, 2019
2. First lab: Friday, January 18, 2019
3. Reading week: February 17 – 23, 2019 (no classes)
4. Midterm exam: Thursday, February 14, 2019
5. Last class: Thursday, April 4, 2019
6. Final exam: Thursday, April 18, 2019
7. Final withdrawal date (without academic penalty): Friday March 15, 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 accepted
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 first half of the regular class time on February 14
 - 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/1903-051/>

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, iterative
- 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 (March 15 is VW date for classes that begin in January and end in April).
4. No make-up classes scheduled
5. No classes:

December 22, 2018 - January 2, 2019	University closed
February 17-23, 2019	Mid-term reading week