



THE UNIVERSITY OF WINNIPEG

APPLIED COMPUTER SCIENCE

Course Number: ACS-1903-002, 073L, 074L

Course Name: PROGRAMMING FUNDAMENTALS I

1 Instructor Information

Instructor: James Deng

E-mail: jdeng@uwinnipeg.ca

Office Hours: Monday, Wednesday: 10:30 – 11:30 Room No.: 3D17

Class Time: Monday, Wednesday: 2:30 – 3:45 Room No.: 3D04

Lab Time: Friday 8:30 – 9:45 (074L), 9:45 – 11:00 (073L)

Course Web Page: <http://courses.acs.uwinnipeg.ca/1903-002>

Besides class time and office hours, students are also welcome to use email to communicate with the instructor. However, when sending email, students are required to put their **full names, student numbers, and course numbers in the subject line**. A respectful manner is also expected in the email communications.

2 Important Dates

1. **First Class:** January 4, 2017

2. **First Labs:** January 13, 2017

2. **Reading Week:** February 19-25, 2017 (no classes)

3. **Last Class:** April 3, 2017

4. **Midterm Test:** February 15, 2017 in class

5. **Final Withdrawal Date w/o academic penalty:** March 1, 2017

6. **Final Exam:** April 10, 2017 9:00– 12:00 in 1L08

<http://www.uwinnipeg.ca/exam-schedules/index.html>

3 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 result in a fee refund.

4. Class make-up days are scheduled at the end of term for courses that conflict with holidays.

4 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..

5 Evaluation Criteria

1. Assignments (15%) - Five assignments will be given to the students. Assignments are equally weighted. **Late assignments will not be accepted. Assignments that do not meet all the requirements, including those for the submissions, may not be accepted or a portion of the marks will be deducted.** The details of submission procedure will be stated in each assignment.
2. Labs: (10%) – Based on ten labs. Labs are to be completed during the Friday lab time. . **Late submission will not be accepted. Lab work that does not meet all the requirements, including those for the submissions, may not be accepted or a portion of the marks will be deducted.**
3. Midterm Test: (25 %)
4. Final Exam (50 %)

Note: Unless a medical certificate is provided, no accommodation is made for missed the assignment, project, tests, or final exam.

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

6 Exam Requirements

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 facing a charge of academic or non-academic misconduct may choose to contact the University of Winnipeg Students' Association (UWSA) where a student advocate will be available to answer any questions about the process, help with building a case, and ensuring students have access to support. For more information or to schedule an appointment, visit our website at www.theuwsa.ca/academic-advocacy or call 204-786-9780.

We ask that you please be respectful of the needs of classmates and instructors/professors by avoiding the use of unnecessary scented products while attending lectures. Exposure to scented products can trigger serious health reactions in persons with asthma, allergies, migraines or chemical sensitivities. Please consider using unscented necessary products and avoiding unnecessary products that are scented (e.g. perfume).

7 Required Text

Java with BlueJ Part 1 (Version 2.0, Sept 2016), by Dr. Ron McFadyen of Applied Computer Science, the University of Winnipeg.

<http://www.acs.uwinnipeg.ca/rmcfadyen/CreativeCommons/Java%20with%20BlueJ%20Part%201%20Sept%202016.pdf>

Students are also responsible for all the contents covered during the class that are out of the text book.

8 Prerequisite Information

(This information can be found in the UW Undergraduate Academic calendar)

Pre-Calculus Mathematics 40S or Applied Mathematics 40S or a grade of at least C in ACS-1805.

9 Misuse of Computer Facilities, Plagiarism, and Cheating

Academic dishonesty is a very serious offense and will be dealt in accordance with the University's policies. Be sure that you have read and understood Regulations & Policies #8, starting on page 27, in the 2016-2017 UW Undergraduate Academic Calendar or <http://uwinnipeg.ca/academics/calendar/docs/regulationsandpolicies.pdf>

10 Topics to be covered (Tentative)

Introduction to BlueJ

Java basics

Control structures

Java class libraries

Arraylists

Methods