



THE UNIVERSITY OF WINNIPEG

APPLIED COMPUTER SCIENCE

Course Number: ACS-1903-003
Course Name: PROGRAMMING FUNDAMENTALS I

Instructor Information

Instructor: James Deng
Office: 3D17
E-mail: jdeng@uwinnipeg.ca
Office Hours: Tuesday: 11:15am - 12:00pm, Thursday: 2:15pm - 3:00pm
Room No.: 3D17
Class Time: Tuesday, Thursday: 13:00 – 14:15 Room No.: 3D01
Lab Time: Friday 8:30 – 9:45 (074L in 3C13), 9:45 – 11:00 (075L in 3D03)
Course Web Page: <http://courses.acs.uwinnipeg.ca/1903-003>

Important Dates

1. **First Class:** January 4, 2018
2. **First Lab: January 12, 2018**
3. **Reading Week:** February 18 -24, 2018 (no classes)
4. **Last Class:** April 4, 2018
5. **Midterm Test:** February 15, 2018 in class
6. **Final Withdrawal Date w/o academic penalty:** March 14, 2018 (A minimum of 20% of the work on which the final grade is based will be evaluated and available to the student before the voluntary withdrawal date.)
7. **Final Exam:** April 17, 2018 - 9:00am Location: 3D01
<https://www.uwinnipeg.ca/exam-schedules/docs/undergrad-exams-april.pdf>

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.

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%		

Email Communication

Emails from accounts at uwinnipeg.ca are usually not filtered by the UofW email filter. Thereby it is recommended electronic communication used for the course utilize a UofW email account to minimize the risk of filtering.

The emails sent to me must include your full name and student #, as well as the COURSE # (WITH THE SECTION #, like ACS-1809-001) in the subject line of your email. A respectful manner is also expected in the email communications.

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 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 .

Exam Requirements

Photo ID at exam is required. No electronic devices (e.g. cell/smart phone, laptop, scientific calculators, translators, etc.) are permitted.

Required Text

Java with BlueJ Part 1 (Version 3.0, Sept 2017), by Dr. Ron McFadyen of Applied Computer Science, the University of Winnipeg.

<http://www.acs.uwinnipeg.ca/rmcfadyen/CreativeCommons/Java%20with%20BlueJ%20Sept%202017.pdf>

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

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.

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 26, in the 2017-2018 UW Undergraduate Academic Calendar or <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 essay 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 same class without prior permission of the instructor/presenter, are in violation of copyright law and University policy. Students must also obtain instructor/presenter permission before photographing or recording slides, presentations, lectures, and notes on the board.

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 refund.
4. No classes: February 18 – 24 Mid-term reading week.

Topics to be covered (tentative)

Introduction to BlueJ

Java basics

Control structures

Java class libraries

Arraylists

Methods