



CAMOSUN COLLEGE
School
Department

COMP132 – Programming Using Java
Spring 2020
Section 1 A/B

COURSE OUTLINE

The calendar description is available on the web @ <http://camosun.ca/learn/calendar/current/web/comp.html>

Ω Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.

1. Instructor Information

(a) Instructor/s:	<i>Shohreh Hadian</i>		
(b) Lecture hours	M, Tu, W, Th 12:00 PM - 1:20 PM Fisher 262		
Lab hours	Section 1A: Monday, Wednesday 1:30 PM - 3:20PM, Ewing 200 Section 1B: Tuesday, Thursday 1:30 PM - 3:20PM, Ewing 200_____		
Office hours	TBA and by appointment		
(c) Location	Ewing 302		
(d) Phone	250-370-3971	Alternative:	
(e) E-mail	shadian@camosun.bc.ca		
(f) Website	Use D2L course site!		

Summer 2020 - Class Schedule During COVID-19 will be on WebEX					
	Monday	Tuesday	Wednesday	Thursday	Friday
10:30	Office Hours	Office Hours	Office Hours	Office Hours	
11:30					
	Lunch	Lunch	Lunch	Lunch	
12:00	Lecture	Lecture	Lecture	Lecture	
12:45	Break	Break	Break	Break	
13:00	Lecture	Lecture	Lecture	Lecture	
13:30	Break	Break	Break	Break	
14:15	Lab	Lab	Lab	Lab	
15:00	Section A	Section B	Section A	Section B	
	Break	Break	Break	Break	
15:15	Lab	Lab	Lab	Lab	
16:00	Section A	Section B	Section A	Section B	

2. Course Objectives

- To introduce the student to programming and the design and implementation of high-quality object-oriented software using the Java programming language.
- This course introduces the student to programming in an imperative, object-oriented language.

3. Intended Learning Outcomes

Students will be introduced to:

- Software development concepts such as: variables; logical and relational Operators; control structures such as selection and repetition; functions and parameters.
- Object oriented programming design: built-in and user-defined objects; Inheritance; Exceptions.
- Approaches as how to produce quality programs and Problem solving via top-down and object oriented methods.

4. Required Materials

- Textbook: Introduction to Java Programming and Data Structures, Y. Daniel Liang, 11th edition
- Software: NetBeans IDE 8.0.2 or higher

5. Labs

Labs are intended to give practical experience in the material covered in the lectures. The lab sessions provide an opportunity for you to discuss with the instructor your progress or problems in solving the lab assignments. You should have made some attempts or progress in the assignment before coming to lab session. **Labs must be submitted prior to their due date.** Late labs will be downgraded by 5% per day late on the first late lab and 10% on the second late lab. Third and subsequent late labs will not be accepted. Students throughout the semester must keep copies of all submitted labs. **Labs must be submitted in the form of electronic by the due date.**

6. Basis of Student Assessment (Weighting)

Participation	10%
2 Midterm test(10%), 10 quiz (1% each)	30%
Final exam (mandatory)	40%
Lab work	20%

Note: To pass the course students must attain a minimum grade of 50% in the final exam.

7. Grading System

<input checked="" type="checkbox"/>	Standard Grading System (GPA)
<input type="checkbox"/>	Competency Based Grading System

8. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College Calendar, Student Services or the College web site at <http://www.camosun.bc.ca>

STUDENT CONDUCT POLICY

There is a Student Conduct Policy. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, Registration, and on the College web site in the Policy Section.
<http://www.camosun.bc.ca/policies/policies.html>

9. Course Content and Schedule

Tentative Class Schedule (subject to change)

Comp 132 Tentative Summer 2020 Schedule					
		Topic	Text Book Chapters	Quiz Midterm	Lab Activities
Week 1 May 4 - May 8	Monday	Introduction to the Course, equipment, and tools needed to participate in the course			Equipment check, WebEX, Netbeans, D2L, and eText
	Tuesday	Introduction to Computers, Programs, and Java	1.1 - 1.6	Q1	
	Wednesday	Elementary Programming, Writing a simple Program,	1.7 -1.10		Lab1 - Intro To Netbeans
	Thursday	Identifiers, Variables, operators	2.1 -2.11	Q2 - data/Variable	
Week 2 May 11 - May 15	Monday	boolean data type, Selections (if, and if-else statements)	3.1 -3.4		Lab2 - Variables and Operators
	Tuesday	Switch statements, Logical Operators	3.10, 3.13	Q3 - selection	
	Wednesday	Repetitions (while, do-while, and for Loops)	5.1 - 5.5		Lab3 - Conditional statements
	Thursday	Nested Loops	5.6	Q4 - loops	
Week 3 May 18 - May 22	Monday	Methods, (Define a method, Call a method, pass Arguments)	6.1 - 6.6		Lab4 - Repetitions
	Tuesday	Overloading methods, The scope of variables ,	6.8 - 6.9	Q5- methods	
	Wednesday	Single-Dimensional Arrays, Pass Arrays to Methods, Return an Array from a Method	7.1-7.2, 7.6-7.7		Lab5 - Methods
	Thursday	Multidimensional Arrays,	8.1-8.4	Midterm 1 - w/o Arrays	
Week 4 May 25- May 29	Monday	Objects and Classes, Define Classes for Objects Constructing Objects Using Constructors	9.1 - 9.5	Q6 - array	lab6 - Arrays
	Tuesday	Static Variables, Constants, and Methods Data Field Encapsulation Passing Objects to Methods Scope of Variables(Visibility modifiers) The this reference, Strings	9.7-9.9, 9.13-9.14		
	Wednesday	Class Abstraction and Encapsulation,	10.1 -10.4	Q7- class	Lab7 - Objects and Classes
	Thursday	Thinking in objects, Class relationships, Characters	10.8 - 10.11		

Week 5 June 1 - June 5	Monday	Inheritance Superclasses and Subclasses	11.1 - 11.2	Q8- inheritance	Lab8- More With Classes
	Tuesday	Using the super Keyword Overriding Methods, Overriding vs. Overloading	11.3 - 11.5		
	Wednesday	The Object Class, toString() Method Polymorphism Dynamic Binding	11.6 - 11.8	Q9- method with reference	
	Thursday	The Object's equals Method, The Protected Data and Methods	11.10, 11.14		
Week 6 June 8 - June 12	Monday	Graphics, Panes, (Graphical User Interface)		Midterm 2 (up to Inheritance)	Inheritance
	Tuesday	UI Controls, (Interface) and Property Binding	13.5		
	Wednesday	UI Controls, (Events)	15.1-15.3		GUI
	Thursday	TBD			
Week 7 June 15 - June 22	Monday	Text I/O	12.10- 12.11	Q10 - misc miore object	Interface and EventHamdlers
	Tuesday	Introduction to Exception Handling	12.1 - 12.4		
	Wednesday	TBD			Files
	Thursday	Review			
Examination period - June 22 - 24					

A. GRADING SYSTEMS <http://www.camosun.bc.ca/policies/policies.php>

The following two grading systems are used at Camosun College:

1. Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D		1
0-49	F	Minimum level has not been achieved.	0

2. Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes

Grade	Description
COM	The student has met the goals, criteria, or competencies established for this course, practicum or field placement.
DST	The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement.
NC	The student has not met the goals, criteria or competencies established for this course, practicum or field placement.

B. Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy at <http://www.camosun.bc.ca/policies/E-1.5.pdf> for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete</i> : A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress</i> : A temporary grade assigned for courses that are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.
CW	<i>Compulsory Withdrawal</i> : A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.