COURSE SYLLABUS

CAMOSUN COLLEGE

COURSE TITLE: COMP 132

CLASS SECTION: 001 and 002

TERM: 2022W

COURSE CREDITS: 3

DELIVERY METHOD(S):   Lecture and Lab

For COVID-19 information please visit https://legacy.camosun.ca/covid19/index.html.

Camosun College campuses are located on the traditional territories of the Lək̓ʷəŋən and W̱SÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here.
Learn more about Camosun's Territorial Acknowledgement.

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable explanation in advance, you will be removed from the course and the space offered to the next waitlisted student.

INSTRUCTOR DETAILS

NAME: Gordon Broom

EMAIL: BroomG@camosun.ca

CELL: (250) 818-6452

OFFICE: E 310 (Monday–Thursday), TEC 263 (Friday)

HOURS: Monday–Thursday 10:00 am–12:00 noon (tentative) or by appointment

As your course instructor, I endeavour to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss them with me. Camosun College is committed to identifying and removing institutional and social barriers that prevent access and impede success.

CALENDAR DESCRIPTION

This course introduces the student to programming in an imperative, object-oriented language. Topics include introduction to problem solving via top-down and object oriented methods; built-in and user-defined objects; control structures; functions and parameters. Problem-solving and the production of quality programs are emphasized.

PREREQUISITE(S):   One of:
- **C** in English 12
- **C** in Camosun Alternative

And one of:
- **C** in Math 12
- **C** in Principles of Math 12
- **C+** in Math 11
- **C** in MATH 097
- **C** in MATH 107

- **C** in MATH 115
- **C+** in MATH 073
- **C+** in MATH 077
- **C+** in MATH 137

PRE or CO-REQUISITE(S): none
EXCLUSION(S): none

COURSE LEARNING OUTCOMES / OBJECTIVES

Upon successful completion of this course a student will be able to:
- Solve simple real-world problems using the Java programming language
- Learn other programming languages by comparing/contrasting to Java
- Use top-down and object-oriented methods to solve problems

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

- Text: *Introduction to Java Programming and Data Structures*, Y. Daniel Liang, 11th edition
- Software: NetBeans IDE 11 or higher
- Lecture notes and videos posted on course web pages

COURSE SCHEDULE, TOPICS, AND ASSOCIATED PREPARATION / ACTIVITY / EVALUATION

The following schedule and course components are subject to change with reasonable advance notice, as deemed appropriate by the instructor.

WEEK	DATE RANGE	LECTURE TOPIC	LAB TOPIC	NOTES
1	Jan 10 – 14	Course overview. History and context.	No lab.	No classes Monday or Tuesday.
2	Jan 17 – 21	Language structure, writing a simple program.	Lab 1: Intro To NetBeans Development Tools	
3	Jan 24 – 28	Selection (if, else, switch), logical operators, conditional expressions.	Lab 2: Variables and Operators	
4	Jan 31 – Feb 4	Repetition (for, while, do-while), arrays.	Lab 3: Conditional statements	
5	Feb 7 – 11	Methods.	Lab 4: Repetitions	
6	Feb 14 – 18	Objects and classes, class abstraction, scope, modifiers.	Lab 5: Methods	

WEEK	DATE RANGE	LECTURE TOPIC	LAB TOPIC	NOTES
7	Feb 21 – 25	Reading Week. No Classes		
8	Feb 28 – Mar 4	Visibility, ownership, encapsulation.	Midterm	Midterm
9	Mar 7 – 11	Class abstraction, thinking in objects.	Lab 6: Arrays	
10	Mar 14 – 18	Inheritance.	Lab 7: Objects and Classes	
11	Mar 21 – 25	Polymorphism.	Lab 8: Inheritance	
12	Mar 28 – Apr 1	Protected data and methods. Exception handling.	Lab 9: More with classes	
13	Apr 4 – 8	Review.		
14	Apr 11 – 15	Review.		April 15 = Good Friday, no classes
15	Apr 18 – 22	Exams April 19 – 27		April 18 = Easter Monday, no classes

Students registered with the Centre for Accessible Learning (CAL) who complete quizzes, tests, and exams with academic accommodations have booking procedures and deadlines with CAL where advanced noticed is required. Deadlines can be reviewed on the CAL exams page. http://camosun.ca/services/accessible-learning/exams.html

EVALUATION OF LEARNING

DESCRIPTION		WEIGHTING
Lab Assignments		25%
Mid-Term Test		15%
Quizzes		15%
Final Exam		40%
Attendance, participation		5%
	TOTAL	100%

If you have a concern about a grade you have received for an evaluation, please come and see me as soon as possible. Refer to the Grade Review and Appeals policy for more information. http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf

COURSE GUIDELINES & EXPECTATIONS

- Presence is required at all scheduled course components. 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 the lab session. Students must attend the demo part of the lab sessions since materials covered and discussed will enhance or impede student's learning, 5% of overall grades are allocated for attendance.

- Late assignments will have 10% deducted. Assignments submitted after graded assignments have been returned are worth 0.
- You must achieve 55% on the final exam to pass the course.

SCHOOL OR DEPARTMENTAL INFORMATION

Department:

- Computer Science Department: Chair is Saryta Schaerer, TEC 239.
- See the chair if you need:
    - program help such as working out a part-time schedule
    - help with transfer credits
    - info on services from other departments.

See your instructor if you need help with the course.

School: School of Trades and Technology. Office TEC 169

- Dean is Eric Sehn
- Associate Dean is Ken Kosik
- Both are in TEC 169
- Student issues are looked after by the Associate Dean. However, if you need anything, go to the department chair first.

Equity, diversity, and inclusion (EDI) are central to Camosun's culture and values. The Camosun community and the engineering community at large commit to pursuing equity in education regardless of race, heritage, religion, gender or gender identity, and ability. We learn best when we feel safe. Inappropriate, hateful or demeaning comments or actions will not be tolerated. Your suggestions on how to make your experience here better are encouraged and appreciated. Please let me or the department chair know ways to improve your experience at Camosun. If you wish to know more about Camosun's EDI policy, please see the EDI page on the college's website: http://camosun.ca/about/policies/equity-diversity-inclusion.html

STUDENT RESPONSIBILITY

Enrolment at Camosun assumes that the student will become a responsible member of the College community. As such, each student will display a positive work ethic, assist in the preservation of College property, and assume responsibility for their education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting expectations concerning attendance, assignments, deadlines, and appointments.

SUPPORTS AND SERVICES FOR STUDENTS

Camosun College offers a number of services to help you succeed in and out of the classroom. For a detailed overview of the supports and services visit http://camosun.ca/students/.

Support Service	Website
Academic Advising	http://camosun.ca/advising
Accessible Learning	http://camosun.ca/accessible-learning
Counselling	http://camosun.ca/counselling
Career Services	http://camosun.ca/coop
Financial Aid and Awards	http://camosun.ca/financialaid
Help Centres (Math/English/Science)	http://camosun.ca/help-centres
Indigenous Student Support	http://camosun.ca/indigenous
International Student Support	http://camosun.ca/international/
Learning Skills	http://camosun.ca/learningskills
Library	http://camosun.ca/services/library/
Office of Student Support	http://camosun.ca/oss
Ombudsperson	http://camosun.ca/ombuds
Registration	http://camosun.ca/registration
Technology Support	http://camosun.ca/its
Writing Centre	http://camosun.ca/writing-centre

If you have a mental health concern, please contact Counselling to arrange an appointment as soon as possible. Counselling sessions are available at both campuses during business hours. If you need urgent support after-hours, please contact the Vancouver Island Crisis Line at 1-888-494-3888 or call 911.

COLLEGE-WIDE POLICIES, PROCEDURES, REQUIREMENTS, AND STANDARDS

Academic Accommodations for Students with Disabilities
The College is committed to providing appropriate and reasonable academic accommodations to students with disabilities (i.e. physical, depression, learning, etc). If you have a disability, the Centre for Accessible Learning (CAL) can help you document your needs, and where disability-related barriers to access in your courses exist, create an accommodation plan. By making a plan through CAL, you can ensure you have the appropriate academic accommodations you need without disclosing your diagnosis or condition to course instructors. Please visit the CAL website for contacts and to learn how to get started:
http://camosun.ca/services/accessible-learning/

Academic Integrity
Please visit http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.13.pdf for policy regarding academic expectations and details for addressing and resolving matters of academic misconduct.

Academic Progress
Please visit http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.1.pdf for further details on how Camosun College monitors students' academic progress and what steps can be taken if a student is at risk of not meeting the College's academic progress standards.

Course Withdrawals Policy
Please visit http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.2.pdf for further details about course withdrawals. For deadline for fees, course drop dates, and tuition refund, please visit http://camosun.ca/learn/fees/#deadlines.

Grading Policy
Please visit http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf for further details about grading.

Grade Review and Appeals
Please visit http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf for policy relating to requests for review and appeal of grades.

Mandatory Attendance for First Class Meeting of Each Course
Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable reason in advance, you will be removed from the course and the space offered to the next waitlisted student. For more information, please see the "Attendance" section under "Registration Policies and Procedures" (http://camosun.ca/learn/calendar/current/procedures.html) and the Grading Policy at http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf.

Medical / Compassionate Withdrawals
Students who are incapacitated and unable to complete or succeed in their studies by virtue of serious and demonstrated exceptional circumstances may be eligible for a medical/compassionate withdrawal. Please visit http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.8.pdf to learn more about the process involved in a medical/compassionate withdrawal.

Sexual Violence and Misconduct
Camosun is committed to creating a campus culture of safety, respect, and consent. Camosun's Office of Student Support is responsible for offering support to students impacted by sexual violence. Regardless of when or where the sexual violence or misconduct occurred, students can access support at Camosun. The Office of Student Support will make sure students have a safe and private place to talk and will help them understand what supports are available and their options for next steps. The Office of Student Support respects a student's right to choose what is right for them. For more information see Camosun's Sexualized Violence and Misconduct Policy: http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.9.pdf and camosun.ca/sexual-violence. To contact the Office of Student Support: oss@camosun.ca or by phone: 250-370-3046 or 250-3703841

Student Misconduct (Non-Academic)
Camosun College is committed to building the academic competency of all students, seeks to empower students to become agents of their own learning, and promotes academic belonging for everyone. Camosun also expects that all students to conduct themselves in a manner that contributes to a positive, supportive, and safe learning environment. Please review Camosun College's Student Misconduct Policy at

http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf to understand the College's expectations of academic integrity and student behavioural conduct.

Changes to this Syllabus: Every effort has been made to ensure that information in this syllabus is accurate at the time of publication. The College reserves the right to change courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.