

CS 210 - FUNDAMENTALS OF COMPUTER SCIENCE I

- Instructor:** Tanuja Joshi
- Email:** Use the Canvas online mail system or Bellevue College email (tanuja.joshi@bellevuecollege.edu) to contact the instructor. The instructor will respond within 24-48 hours.
- Office hours:** Mondays 9:30-10:15am via Zoom Video Call (Link is posted in Canvas).
- Textbook: Inclusive Access**
Title: Building Java Programs: A Back to Basics Approach, 5th Edition
Authors: Stuart Reges and Marty Stepp, University of Washington
ISBN: 9780135472361

Please note that the textbook has already been purchased with your registration and will be found on Canvas page on Day 1 of class. It is paid as part of the tuition. If you want a print copy, please look for “optional” supplement listings or opt-out before purchasing book. To get more information, please reach out to kconnelly@bellevucollege.edu , BC Store – Inclusive Access Team.

Software required:

- Java Development Kit (JDK) and Integrated Development Environment (IDE) to compose, compile, and run Java programs. There are multiple IDEs available such as jGRASP, Eclipse, NetBeans, BlueJ. We will be using jGRASP in this course. You are free to use any IDE, however, only jGrasp will be supported. (<http://jGRASP.org>)
- A Word processor for writing documentation,
- A media player to watch the helper videos,
- A PDF viewer to enable reading of homework assignments, textbook companion materials, and so on,
- And, of course, Canvas.

Canvas structure

All assignments are dependent on Modules that will open as the course proceeds. You can see the full slate of assignments in Canvas, either in the course outline on the home page or under Modules.

Course description

This course introduces computer science and programming for CS majors. Students learn design and implementation of algorithms and programming in a structured, modular language, with emphasis on problem solving, program design, and style.

Prerequisites

- MATH 142 or higher, with a C- or better, or placement by assessment in MATH 151 or above, or entry code.

Outcomes

Upon completion of this course the student should be able to:

- Solve computer programming problems using current industry standards in software engineering; editing, compiling, and executing code; which is structured in maintainable style with programmer comments (documentation).
- Define the concepts of data types, specifically the use of primitive data versus object, accessing and creating methods, their parameters passed, and returned.
- Use procedural decomposition to construct programming solutions using decision controls (if, else), repetitions (for, do while), and external file reading (secondary storage).
- Utilize simple data structures such as arrays and classes to solve complex problems and use an Integrated Development Environment (IDE) to fix potential errors identified with code testing concepts.

Expectations for this course

This is an online course. This type of learning, referred to as “student-centered learning,” puts more responsibility on you. There will be plenty of material made available by the instructor, but it’s up to you to budget your time to get the coursework done. Instructor will be available throughout via email, discussion questions, and office hours.

Students are expected to:

- Check Canvas regularly. The course schedule is subject to change, so make sure to keep up with announcements and assignment dates.
- The instructor will regularly post announcements in Canvas, students should make sure they have set up notifications for class announcements.
- Keep up with reading assignments – make sure you have done the required reading for a module before going any further with each week’s learning module.
- Make sure you submit all work on time. This will require you to plan ahead.
- Ask questions when explanations are not clear!

The instructor will:

- Read email and discussion board postings at least daily but will not necessarily post messages or respond to email daily.
- Respond to student email within 24-48 hours (48 hours on weekends) – instructor response is typically faster but not guaranteed.
- Respond to urgent student email within 24 hours (instructor will determine urgency!).

If you need help...

- I'm here to support you, so please feel free to join the Office hours on Mondays or schedule a meeting by sending an email.
- If you need help with an assignment, you must be prepared to describe the steps you took to solve the problem you're experiencing. Problem solving, particularly debugging code, is a specific outcome for this course.
- For technical help, visit the [helpdesk site](#). They can help you with your accounts, with software, with Canvas, and other issues you might experience.
- Tutoring is available through the [Academic Success Center](#).

Tentative Course Outline

Module	Opens	Assignment(s) Due	Quiz(s)
Chapter 1: Getting Started with Java, CS, and IDE, JDK, Practice-IT, and coding	9/27	9/30 & 10/4	10/1 & 10/5
Chapter 2: Primitive Data and Definitive Loops	10/4	10/11	10/12
Chapter 3: Introduction to Parameters and Objects	10/11	10/18	10/19
Chapter 4: Conditional Execution	10/18	10/25	10/26
Chapter 5: Program Logic and Indefinite Loops	10/25	11/1	11/2
Mid-term 11/5 @5pm			
Chapter 6: File Processing	11/8	11/15	11/16
Chapter 7: Arrays	11/15	11/22	11/23
Chapter 8: Classes	11/22	11/29&12/03	12/03
Chapter 9: Inheritance	12/06	12/13	12/13
Final on 12/16 @ 5pm Last day of the quarter is 12/16	12/16		

Please note that this schedule is subject to change at the instructor's discretion.

Grading

Grades

These are the elements of coursework on which grades in this course are based. Each is explained in more detail below.

Coursework	Points
Programming Assignments	~35-40%
Timed Quizzes	~25-30%
Mid-term and Final Exams	~30-35%

Grading scale

Note that this scale may be different from what you've seen in other classes.

Letter grades in this course are based on the following percentages:

Percentage	Grade	Points	Percentage	Grade	Points
93 - 100	A	4.0	77 - 79.9	C+	2.3
90 - 92.9	A-	3.7	73 - 76.9	C	2.0
87 - 89.9	B+	3.3	70 - 72.9	C-	1.7
83 - 86.9	B	3.0	67 - 69.9	D+	1.3
80 - 82.9	B-	2.7	60 - 66.9	D	1.0
			Below 59.9	F	0.0

Programming Assignments

There will be around 10 programming assignments to be completed as homework. These will require that you write executing Java code and upload the file. Most will also require you to successfully solve selected exercises from the textbook at the practiceit.cs.washington.edu site (the companion website to the textbook) and submit a screenshot of the successful submission.

You will typically have a week to complete these assignments. Keep a close watch on the announcements made every time the modules and the assignments are posted in Canvas for their due dates. The instructor will attempt to return each assignment within one week of the assignment's submission date.

Weekly quizzes

There will be 9 weekly quizzes conducted the day after the programming assignment is due for each module. These weekly quizzes will be held online and will be time-constrained (limited to 60 minutes) and will possibly include some MCQ questions and ask you to write Java code and upload the file. Out of the 9 quizzes, the lowest grade will be dropped – only 8 highest scores will be considered in the final grade. You need to know the chapter content well and have lots of practice (via Practice-IT) before starting the Quiz. Again, keep a close watch on the announcements made every time the modules are posted in Canvas for when the quizzes are scheduled. The instructor will attempt to grade submitted quizzes within a week from the submission deadline.

Exams

Two exams will be administered as online timed quizzes:

- **Midterm Exam** to be held on **Friday 11/5/20 at 5pm-7pm**
- **Final Exam** to be held on **Thursday 12/16, 5pm-7pm**

- Any student with a time conflict for either of these exams must contact the instructor within ***the first two weeks*** of the quarter.

Policies

Late Submission

Late submissions receive an automatic ZERO. Late work often indicates issues with planning, or problems with comprehension, or lack of class participation. Remember you can always request office hours via email in case you need help. *In rare cases, if arrangements are made in advance of the due date/time, a submission late by a day will be allowed -- for not more than two assignments or quizzes.*

Withdrawal

Students are expected to be familiar with the college withdrawal policy and schedule, as shown in the [Enrollment Calendar](#). Students not withdrawing will receive a grade based on the number of points earned divided by the total number of points offered for the quarter. Incompletes are not given. A grade will be reported for every student remaining on the class roster after the deadline to withdraw.

Incorrect submissions

Each piece of coursework has submittal instructions associated with it. Each assignment that is submitted improperly is subject to a 5-point deduction. Further, if you have not resolved an incomplete submittal by the due date and time, you will not receive credit for the assignment.

Affirmation of Inclusion

Bellevue College affirms the diversity of human identities and experiences and is committed to creating spaces free from harassment and discrimination (4000 Institutional Commitment to Inclusion). Furthermore, Bellevue College rejects all forms of racism, homophobia, sexism, xenophobia, religious intolerance, classism, ableism, ageism, language bias, and hate speech or actions that attempt to silence, threaten, or degrade others.

In classroom settings, we might disagree with views shared in the classroom; however, courteous, and respectful behavior and responses are always expected. When providing criticism, it is important to focus on the ideas and not the person.

Faculty are encouraged to disrupt and address hate speech and behaviors. Students are also encouraged to speak up and advocate when they experience, or witness hate speech and behaviors. Faculty, staff, and students also are encouraged to submit a report to the CARE Team regarding any concerns of discrimination, harassment, or inappropriate and disrespectful conduct.

[Affirmation of Inclusion](https://www.bellevuecollege.edu/inclusion/) (<https://www.bellevuecollege.edu/inclusion/>)

Reasons of Faith and Conscience

Reasonable Accommodations for Reasons of Faith and Conscience: Students who will be absent from course activities due to reasons of faith or conscience may seek reasonable accommodation so that grades are not impacted. Such requests must be made within the first two weeks of the course to the office of the Associate Vice President of Student Affairs (see Bellevue College [Policy 2950](#) (<https://www.bellevuecollege.edu/policies/id2950/>)). In the event you feel you are being discriminated

against based on faith or conscience, you may refer to the procedures outlined in the college's [Discrimination, Harassment and Retaliation Policy 1440P](https://www.bellevuecollege.edu/policies/id-1440p/) (<https://www.bellevuecollege.edu/policies/id-1440p/>).

Annual Notice Non-Discrimination

Bellevue College does not discriminate on the basis of race or ethnicity; creed; color; national origin; sex; marital status; sexual orientation; age; religion; genetic information; the presence of any sensory, mental, or physical disability; or veteran status in educational programs and activities which it operates. Bellevue College is prohibited from discriminating in such a manner by college policy and by state and federal law. All college personnel and persons, vendors, and organizations with whom the college does business are required to comply with applicable federal and state statutes and regulations designed to promote affirmative action and equal opportunity.

Reports of gender and sex-based based discrimination, sexual misconduct, or retaliation by a student should be raised with the Title IX office (see 1440P2 for contact information). In cases where the impacted party is a student and the responding party is a college employee, the Title IX coordinator will direct the matter to the Office of Human Resources (HR). All other reports, including all reports where the impacted party is an employee, should be raised with the HR. If a report is against personnel in the Title IX office or HR, it should be submitted to the president's office for referral to an alternate designee. [Equal Opportunity](http://www.bellevuecollege.edu/equal/) (<http://www.bellevuecollege.edu/equal/>)

Confidentiality and Mandatory Reporting

As an instructor, one of my responsibilities is to help create a safe learning environment on our campus. It is my goal that you feel able to share information related to your life experiences in classroom discussions, in your written work, and in our one-on-one meetings. I will seek to keep information you share private to the greatest extent possible. However, I am required to share with the Title IX Coordinator any and all information regarding sexual assault and other forms of sexual misconduct (e.g. relationship violence, stalking) that may have occurred on campus or that impacts someone on campus. Students may speak to someone confidentially by contacting the BC Counseling Center at (425) 564-2212. The Title IX Office can be contacted at 425-564-2641 and more information can be found at [Title IX](http://www.bellevuecollege.edu/titleix/) (<http://www.bellevuecollege.edu/titleix/>).

If you have any concerns, you may report to: [Report Concerns](https://www.bellevuecollege.edu/reportconcerns/) (<https://www.bellevuecollege.edu/reportconcerns/>).

Student Conduct Code and Academic Integrity

Any act of academic dishonesty, including cheating, plagiarism (using the ideas or words of another as one's own without crediting the source), and fabrication, and inappropriate/disruptive classroom behavior are violations of the Student Conduct Code of Bellevue College. Examples of disruptive behavior include, but are not limited to, repeatedly talking out of turn, arriving late or leaving early without a valid reason, allowing cell phones to ring, and inappropriate behavior toward the instructor or classmates. The instructor can refer any violation of the Student Conduct Code to the Manager of Student Conduct for investigation. Specific student rights, responsibilities, and appeal procedures are listed in the Student Conduct Code at: [Student Code](#)

Student Support and Services

Bellevue College provides a number of wrap-around supports for student, including academic, counseling, advising, career services. For more information on resources, view the full list of [Student](#)

[Support Services and Campus Resources.](#)

Science Study Center

The Science Study Center is a multi-purpose room where science and math students gather to study, work with models and microscopes, view videos, take advantage of computer-assisted learning and more. Faculty use the Study Center for scheduled demonstrations of course materials. Tutoring, review sessions and science advising sessions are also held in the Science Study Center. The schedule for tutors by discipline is posted at <http://scidiv.bellevuecollege.edu/ssc>

Academic Success Center

You can sign up for tutoring in person or online through the [Academic Success Center](#). Tutors for certain classes may be limited and you may need to find a private tutor.

Science Division Policy on Cheating

Cheating on exams, quizzes, labs, or other assignments includes, but is not limited to, plagiarizing*; the use of unauthorized electronic devices to illicitly store, share, transmit and/or retrieve information; stealing and/or possession of unauthorized physical notes; illicitly providing or receiving aid (including copying answers, glancing at nearby test papers or swapping papers); and/or taking illicit photographs.

If you cheat, or aid another student in cheating, the following actions will be taken:

1. You will receive a grade of "0" on the work (exam, assignment, lab, quiz, etc.) on which the cheating occurred.
2. A report of the incident will be sent to the Dean of Student Success. The Dean may file the report in your permanent record and/or take further disciplinary action such as suspension or expulsion from the college.

If you feel you have been unfairly accused of cheating, you may appeal. (For a description of due process, see WAC 132H-120 and/or the Student Handbook.) Specific student rights, responsibilities, and appeal procedures are listed in the Student Conduct Code at: [Student Code](#)

*Plagiarism is any incident of copying from a source or person entirely, in part or with only limited paraphrasing. Plagiarism also includes using information from a source without giving proper attribution or documentation of that source.

CS Program Code of Conduct for Exams

By taking the exam, you certify that you have not and will not engage in any conduct that compromises the integrity, validity, or security of the exam. You certify that you have read and will abide by all policies and procedures including, but not limited to:

- You are the person whose name appears on the course registration

- Prior to the exam, you did not give or receive information about the questions that might appear on the Exam. During the Exam you will not give or receive information about the content of the Exam
- You will not copy, reproduce, modify, publish, upload, post, transmit, or distribute in any way any question, answer, diagram or other content on the Exam, in whole or in part, without the express written authorization of BC CS program.
- You will not possess or access any written materials, electronic devices, cell phones, or other unauthorized items at any point during the administration of the Exam, including during any breaks.

You understand that if the faculty believes you have violated the terms of the Agreement, the faculty may terminate the Exam, cancel the Exam results, and/or submit an incident report to the Dean of Students who may file a report in your record and/or take other disciplinary action. For a description of the process, read the policy for prohibited student conduct (132H-126-100).

Important Links

See "[Important Links](#)" [page online](#) for more information about the E-mail and MyBC, Public Safety, the Academic Calendar, the Academic Success Center, and more.

Disability Resource Center (DRC)

The Disability Resource Center serves students with disabilities. Common disabilities include physical, neurological (e.g. Autism, ADD/ADHD), and mental health (e.g. depression, anxiety). If you are a student who has a disability or if you think you may need accommodations in order to have equal access in your classes, programs, activities, and any other services, please contact the DRC.

If you require assistance in an emergency, please meet with your individual instructors to develop a safety plan for while in class and contact the DRC to develop a safety plan for while you are elsewhere on campus.

The DRC office is located in building U Room 001. You can contact the DRC by stopping by the office at B132, calling our front desk phone number (425) 564-2498, emailing drc@bellevuecollege.edu. Deaf students can reach us by calling TTY: (425) 564-6189, or by Skype (account name **DRCatBC**). For more information about the services we offer, including our Initial Access Application, visit our website at [Disability Resource Center](http://www.bellevuecollege.edu/drc) (<http://www.bellevuecollege.edu/drc>).

Service Animals are allowed in this classroom. Emotional Support Animals need to be approved through the DRC. All other animals will be asked to leave. If you believe you need your animal with you, please connect with the DRC and refrain from bringing your animal until a decision has been made.

Help with Canvas

Students can find help with Canvas by following the link here: [Student Canvas Help](#)

Public Safety

- Public Safety has changed offices B132.
- Phone number is: 425-466-9365 (after hours)
- x2400 is office phone now
- <https://www.bellevuecollege.edu/publicsafety/>

Additional Information

A note about accessing Canvas from the People's Republic of China: some users have reported that they do not have full access to all Canvas functionality from within the People's Republic of China. This appears to be due to Canvas' parent company, Instructure, not fully committing to Chinese government requirements regarding internet operations within the country. The Chinese government does not inform foreign entities of their policy updates; therefore, Bellevue College cannot anticipate access to Canvas.

If you will be in China during the quarter, you should prepare for intermittent and uncertain access to Canvas.

Source: [Access to Canvas in China](https://support.canvas.fsu.edu/kb/article/1157-access-to-canvas-in-china/) (https://support.canvas.fsu.edu/kb/article/1157-access-to-canvas-in-china/)