

CISC 3130: Data Structures

Fall 2024, Section TY9 (7768)

1 Basic Information

- Instructor: Moshe Lach
- Email: lach@sci.brooklyn.cuny.edu
- Class meetings: Tuesdays and Thursdays 9:05-10:45 am in 329 New Ingersoll
 - No classes meet on the following dates: Thursday 10/3 and Thursday 11/28.
 - On Tuesday 10/15, classes follow a Monday schedule, so this class will not meet.
 - Additionally, this class is cancelled on the following dates: Thursday 10/17 and Thursday 10/24. Recordings will be provided in lieu of live lecture.
- Office hours:
 - Tuesdays 4-5 and Wednesdays 11-1 in 128 New Ingersoll
 - Other times by appointment, typically on Zoom
- Tutoring (free) via the Learning Center: see brooklyn.edu/lc/
- Discord server: the link is posted on Blackboard.
- There is no required textbook. An optional textbook is *Building Java Programs: A Back to Basics Approach*, by Reges and Stepp (3rd, 4th, or 5th ed.).
- All course material will be available via the following link, which you may want to bookmark:

<https://cisc3130fa24.github.io/>

2 Course Description

From the *Undergraduate Bulletin*:

Container classes: their design, implementations, and applications. Sequences: vectors, linked lists, stacks, queues, dequeues, lists. Associative structures: sets, maps and their hash and tree underlying representations. Sorting and searching techniques. Collection frameworks and hierarchies.

3 Homework

Homework will be assigned for every course topic. Assignments will generally contain many parts and take a lot of time to complete.

In order to be successful in this course, it is crucial to devote a lot of time and effort to working on homework, since many exam questions will be similar to, or based on, homework questions.

You are welcome to work on homework together with others, whether in pairs or groups.

For homework assignments in this course, there are no rules against plagiarism, whether from human sources or AI programs. However, if you plagiarize on assignments, you will not perform well on exams.

4 Exams

There will be two midterm exams and a final exam. The second midterm exam will not be cumulative; the final exam will be.

Many exam questions will be similar to homework problems.

Exams will be closed-book. You will not be allowed to leave the room until you hand in your exam.

A few days before each exam, there will be an optional Zoom meeting devoted to exam-related Q & A.

Makeup exams will not be given for the midterm exams. If you have a valid reason for missing a midterm exam, and you obtain my approval, see the middle of section 5 below. Otherwise, a missed exam earns a grade of 0.

Missing the final exam, regardless of your overall performance in the course, automatically results in a failing grade, unless I assign an INC grade. An INC grade allows you to take the final exam at a later date. But I almost never grant INC grades.

5 Grading

The final course grade will be determined by:

- Two midterm exams: 25% each
- Final exam: 35%
- Homework: 10%
- Attendance: 5%

Exceptions: If you are excused from taking one midterm exam, then the other midterm exam is worth **35%** and the final exam is worth **50%**. If you are somehow excused from taking both midterm exams, then the final exam is worth **85%** of the course grade.

Course letter grades will be assigned according to the following table:

Numeric score	98 and up	93-97	90-92	87-89	83-86	80-82	77-79	73-76	70-72	67-69	63-66	60-62	below 60
Letter grade	A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F

If I add a few points to everyone's preliminary grade, a final grade of A+ will be assigned only to those who have at least 98 points before any such points are added.

6 Other Notices

6.1 Academic Integrity

The faculty and administration of Brooklyn College support an environment free from cheating and plagiarism. Each student is responsible for being aware of what constitutes cheating and plagiarism and for avoiding both. The complete text of the CUNY Academic Integrity Policy and the Brooklyn College procedure for policy implementation can be found at www.brooklyn.edu/policies. If a faculty member suspects a violation of academic integrity and, upon investigation, confirms that violation, or if the student admits the violation, the faculty member MUST report the violation. Students should be aware that faculty may use plagiarism detection software.

6.2 Disability-Related Accommodations

The Center for Student Disability Services (CSDS) is committed to ensuring students with disabilities enjoy an equal opportunity to participate at Brooklyn College. In order to receive disability-related academic accommodations, students must first be registered with CSDS. Students who have a documented disability or suspect they may have a disability are invited to schedule an interview by calling (718) 951-5538 or emailing testingcsds@brooklyn.cuny.edu. If you have already registered with CSDS, email Josephine.Patterson@brooklyn.cuny.edu or testingcsds@brooklyn.cuny.edu to ensure accommodation emails are sent to your professor.

6.3 Student Bereavement Policy

Brooklyn College's student bereavement policy can be found [on the college's website](#).

6.4 Nonattendance Due to Religious Beliefs

Information regarding nonattendance due to religious beliefs can be found in the front matter of the *Undergraduate Bulletin*.

7 Important Dates

Wed 8/28	First day of classes
Mon 9/2	College closed
Tue 9/3	Last day to add a course
Wed 9/4	Grade WD assigned for dropped course
Tue 9/17	Last day to drop with WD
Wed 10/2 through Fri 10/4	No classes
Fri 10/11 and Sat 10/12	No classes
Mon 10/14	College closed
Tue 10/15	Monday schedule
Wed 11/6	Last day to drop a course with a grade of W
Wed 11/27	Friday schedule
Thu 11/28 and Fri 11/29	College closed
Sat 11/30 and Sun 12/1	No classes
Sat 12/14	Last day of classes
Sun 12/15 through Sat 12/21	Final exams
Fri 12/27	Final grades due

The full academic calendar is available [on the college's website](#).