Queens College, CUNY
Department of Computer Science
CSCI 313 – Data Structure
Winter 2025 [Last Updated: December 30, 2024]

INSTRUCTOR INFORMATION
Instructor: Xinying W Chyn
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Office: Science Building A328/**A227**

Course Sections and Location:
CSCI 313: Monday through Friday 3:30 PM - 6:20 PM

Location: Science Building A101

Instructor Office Hours:
Before class or by appointment

Learning Goals: A solid understanding of the fundamental concepts of data structures. Successful students will be able to write correct and complete Java implementations of homework projects. Successful students will also complete exam questions that test the uses, implementation and efficiency of data structures.

Prerequisites: CSCI 211, 212 and CSCI 220.

Required book, tools, and accounts:

- **Data Structure & Algorithms in Java**, 6th edition, by Michael T. Goodrich, Roberto Tamassia & Michael Goldwasser; John Wiley, 2014. ISBN 978-1-118-77133-4.
- **zyBook**, join code: **CUNYCSCI313ChynWinter2025**
  **********Instruction**********
  - ★ Sign in or create an account at learn.zybooks.com
  - ★ Enter zyBook code: **CUNYCSCI313ChynWinter2025**
  - ★ Subscribe
    - A subscription is $77.

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- **Brightspace**, Make sure you can log in to Brightspace. If you cannot, please contact the Help Desk at 718-997-4444. Please familiarize yourself with how Brightspace works.
- **ZOOM** for class meetings and office hours.
  **********Meeting Link**********
  Click "sign-in" here to access your Queens College Zoom Account using your CUNY login in credentials. Login requires your CUNY Login credentials (Firstname.LastnameNN@login.cuny.edu, where "NN" is the last 2+ digits of your CUNY EMPLID).

  Lectures:
  Link: https://us02web.zoom.us/j/89258554831?pwd=z5XQRjA74dOQJpLXOt7RLQkamxnhTu.1
  Meeting ID: **892 5855 4831**
  Passcode: **W25CS313**

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Grade Components:

20 %	zyBook/zyLab Assignments
40 %	Midterm
40 %	Final

* If you don't get the zyBook, then your grade will be calculated as the following :

50 %	Midterm
50 %	Final

Important Dates:

Monday, January 13	Midterm
Monday, January 20	No Classes – College Closed
Thursday, January 23	Final

Course Topic:

- Review of Java programming [Chapters 1 and 2]
- Linked Lists [Chapter 3]
- Algorithm Analysis [Chapter 4]
- Recursion [Chapter 5]
- Stacks and Queues [Chapter 6]
- Iterators [Section 7.4]
- Trees and Binary Trees [Chapter 8]
- Priority Queues and Heaps [Chapter 9]
- Maps and Hash Tables [Chapter 10]
- Binary Search Trees, AVL Trees [Chapter 11]
- Sorting [Chapter 12]
- Graphs [Chapter 14]

About zyBook:

- There is a subscription fee of $77.
- zyBook is not mandatory. However, completing the zyBook assignment will count up to 20% of your grade (it's grade by completion). Otherwise, your grade will solely be based on exam performance.
- All the zyBook/zyLab assignments are **due January 22, 2025**. There is **NO EXTENSION**. Be sure to start the assignment ahead of time to ensure full completion. Do not wait until the last minute.
- **There is no other (extra credit) assignment besides zyBook.**

About Class Assessments:

- Class assessments, includes in class activities and quizzes, will be extra credit count toward your midterm and final, if given.
- Each assessment is worth 1 point toward your exam score.
- There is **no make up** for in class activities and quizzes, in class activities and quizzes are only given in person.

About Announcement:

- All major class announcements will made in lectures, it might be posted on **Brightspace** in the announcement section. **You are responsible for all class announcements made in lectures and posted to Brightspace - whether or not you are in attendance for the lecture.**

About Office Hours:

- I will stay after class to answer some of your questions, or you can email me to schedule an office hour.

About Lectures, and Attendance:

- Attending the class is **strongly suggested** - but not required or demanded. The exam will be heavily based on the lecture material.
- If you miss a class, you are responsible for any material and announcements given.
- For students who cannot came to campus/classes, you can join the class via ZOOM. The link is provided at the beginning of the syllabus. Check the "Required book, tools, and accounts" section for details on how to join the meeting.
- The lecture recording is not guaranteed. If it's recorded, everyone participated in classroom or online need to be aware of the following agreement.
- ***"Students who participate in this class with their camera on or use a profile image are agreeing to have their video or image recorded solely for the purpose of creating a record for students enrolled in the class to refer to, including those enrolled students who are unable to attend live. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live."*** **-- CUNY and the office of the Provost**

About Exams and Curve:

- The exam dates are listed in the "Important Dates" section.
- **All exams will be in-person.** There are **no online alternatives to in-person exams,** and there are **NO makeups** and do not entertain requests to take exams at an earlier or later date. Please do not ask for special treatment. **This policy is not negotiable.**
- During exams, you are not permitted to leave the exam room until after your examination paper has been turned in. If you leave, you will not be allowed to return to work on the exam. If you have to use the bathroom, go before class. **NO study notes and electronic, i.e., calculator, phone, smart watch, tablet, laptop, etc., are allowed during the exam. You need to put everything away (in bag not in pocket) before starting the exam. If any those are found during the exam, the exam will be taken and counted as 0.**
- **All exams will be cumulative.** Each exam will cover all the material up to the time that the examination is given.
- If you miss or skip an exam, your grade on that exam will be calculated as 0. If you missed the final, you would get a WU for the course. Following Queens College and CUNY policy, grades of WU will not be converted to F or INC. A grade of Incomplete will only be given in cases where it applies per QC/CUNY policy.
- **If your midterm score is less than 50% and miss the final with any reason, you will NOT qualify for INC, i.e., you will receive F.**
- In the case of valid, sufficient, and unforeseen reasons that require you to miss an exam, you must provide documentation before the exam. For health-related excuses, medical documentation must be provided **before or on the date of the exam.**
- For all exams, you must provide a Queens College ID with your picture or some other Government ID; you will not be allowed to take the exam if you do not. Your picture on the ID must match both your enrollment information and your appearance.
- There are **NO curve on the exams and NO extra credit assignments/projects.**
- The grade distribution will be weighted so that **the class median will be B-/C+.**
- **You need to have minimum of 50% exam average for grade C and above.**
- Course grades are only based upon performance and not on any other issues including, but not limited to, financial aid, visa status and personal issues. I do not change grades – with the exception of a gross error on my part in their calculation. Please don't ask. Your grade is based only upon the knowledge and understanding of the class material that you demonstrate. I do not change WU grades to F in order to accommodate F1 visa concerns, etc. Don't ask for 'favors'.
- **All grade related question will not be discussed in the email.** If you have any concern regarding to your grade, you can come to me in person.

About Cheating:

Cheating in any form will not be accepted and will be dealt with harshly in accordance with college policy. If you cheat on the exam, you will get F on the course. You will also be reported to the Computer Science Department and the Office of Judicial Affairs. I take cheating very seriously and report all incidents of suspected cheating. Investigations may lead to (temporary) PEN grades.

About Emailing:

- You need to send the email **from your school email**, like @qmail.cuny.edu. Also, please indicate which class you are in. Otherwise, your email might not be answered. Make sure you send it to the correct email: xinying.chyn@qc.cuny.edu
- Please do not email me questions regarding grades or curves. These types of emails will go unanswered. Please asks questions regarding course material during class or office hours.
- Emails will be answered typically within 48 hours, except during weekends and/or holidays. If your email goes unanswered, please ensure that you've followed the above guidelines.

Special Services:
If you have a letter or statement from the Office of Special Services that you are allowed some special allowance or accommodation for exams, **I must receive this *at least one week before the exam.***
You need to schedule your exam with the Special Services Office at least a week in advance, and you will be taking your exam with the Special Services Office. No accommodation will be given with the class.

Students with Disabilities:
If you are registered with the Office of Special Services for Students with Disabilities (OSS), please feel free to make an appointment with the course instructor to discuss any academic accommodations you may need. It is best if this is done at the beginning of the semester. If you need academic accommodations and are not registered with the OSS, please contact them by telephone at 718-997-5895 or by email at QC.SPSV@qc.cuny.edu.

By accepting this syllabus, you agree to the rules described here and understand the content and terms. None of the policies in this syllabus are negotiable. If you have any issues, questions, or concerns, contact me during the first week of the semester.

I reserve the right to make minor changes to this syllabus and any such changes will be announced in class.