0. Course Logistics

- Lectures
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Lectures

Coordinated course

- ALL lectures and recitations cover the same material
- SAME assignments and same exams across ALL sections

Instructors::

- Ana Paula Centeno
- Lily Chang
- Antonio Miranda

Click on Staff at our course website https://ds.cs.rutgers.edu for contact information and office hours

Recitations

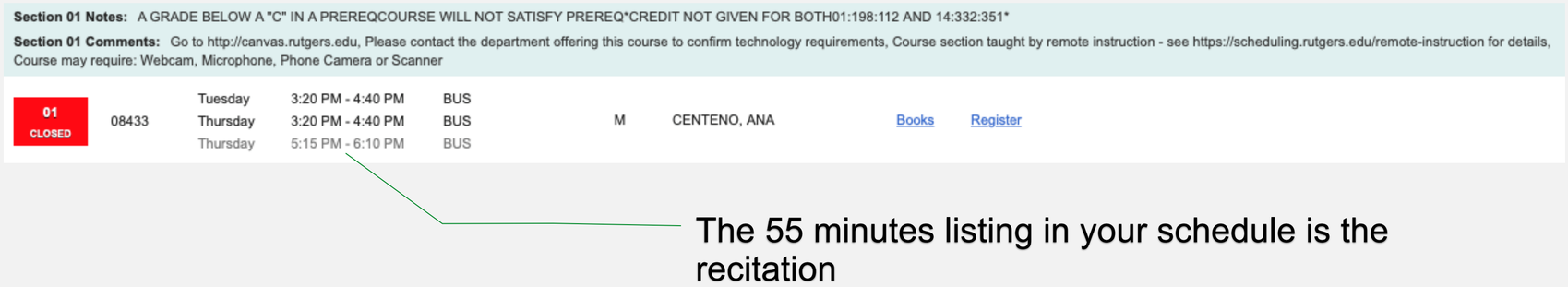
Recitations are for you to practice the concepts learned in class.

Group Problem-Solving Exercises

Led by Learning Assistants – Undergraduate Peer Leaders

PARTICIPATION REQUIRED

- Under Canvas Modules
  - Recitation problems and solutions
  - Pre and Post recitation quizzes



The 55 minutes listing in your schedule is the recitation

Resources

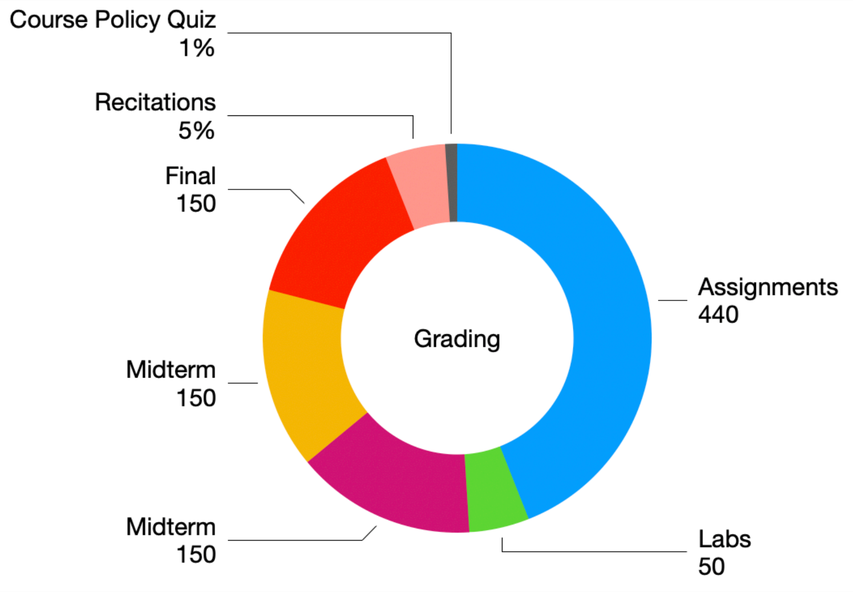
- Textbook **Algorithms**, 4th Edition, Robert Sedgewick and Kevin Wayne, Princeton University



- Course content on website https://ds.cs.rutgers.edu
- Canvas https://rutgers.instructure.com/courses/261776
- **RU CATS** Rutgers Computing Academic Tutoring for Students
  - In person (Hill 248) and remote through Zoom
  - Walk-in hours available under the Tutoring tab on Canvas left pane
- **Coding & Social Lounge (CSL)** is available to students – no appointment necessary
  - https://resources.cs.rutgers.edu/docs/rooms-equipment/cave/
  - Monday through Thursday, 1-11PM
  - Friday 1-6PM
  - Sunday 3-11PM
- Instructional Labs Systems (Desktops) in Hill 254, Hill 248, and Hill 252.

Grading

Class Grade out of 1000 points



Course Points	Letter Grade
900	A
850	B+
800	B
750	C+
700	C
600	D

Cutoffs are strictly followed

- **Exams**: 2 midterms and a final
- **Labs**: 5 short programming practice assignments.
- **Assignments**: 5 long programming assignments.
  - Each assignment has an early submission option worth 10 points of extra credit
- Each **recitation** is 5 points: 3 attendance, and 2 quiz
  - Quiz points are dependent on recitation attendance
  - If you don't attend a recitation: **0 points**

To Remember

Read course Policies on https://ds.cs.rutgers.edu

Add assignment due dates and exam dates to your calendar

https://ds.cs.rutgers.edu/assignments/

https://ds.cs.rutgers.edu/exams/

Assignments

- Assignments are due at **11PM**
- **Early submission** (10 points of extra credit) if you submit the first method within one-week after release date
- All assignments have a 3 days extension built-in
- DO NOT email your assignment, use Autolab
- 0-tolerance policy for misreading due dates or not following directions
- Autolab uses JPLag to detect software similarities

Extra credit for two surveys

- Entry survey will be available in the first week of classes
- Exit survey will be available at the last week of class

To Remember

AutoLab (programming assignments)

- 3 submissions without penalty
- 5% penalty for each submission thereafter
- **Grade based on the last submission**

- Each submission receives a feedback
  - **READ** the feedback to improve your assignment
  - Depending on the system load, the feedback may take up to 1 day to be returned

- Programming assignments have a built-in extension of 3 days:
  - if you submit up to 24 hours after the deadline a 5% penalty applies.
  - if you submit after 24 hours but before 48 hours after the deadline a 10% penalty applies.
  - if you submit after 48 hours but before 72 hours after the deadline a 15% penalty applies.

Labs do not have the built-in extension.

To Remember

ODS Accommodations

- **Exams**
  - Students that require accommodations, such as extra time, must contact Office of Disability Services (ODS) at least two weeks before the exam date.
  - Email your accommodations letter to the cs111@cs.rutgers.edu
- **Labs and Assignments**
  - ODS extensions will NOT be provided for assignments and labs.
  - *Use the full time given by starting assignments early and attending office hours and seek extra help if needed.*

To Remember

Everyone belongs in CS112! The course staff is very excited to have you in this course and we hope that you have a great semester. Feel free to approach any of us, we are here for you.



This is the second Computer Science course – the science of solving problems with the aid of a computer.

The objective of this course is to study a variety of *algorithms* – methods for solving problems that are suited for computer implementation. Algorithms go hand in hand with *data structures* – schemes for organizing data that leave them amenable to efficient processing by an algorithm.



Research Statement

As Rutgers is a research university there is a possibility that by enrolling in this class you may be asked to participate in a research study. Participation in any such study will be optional and at no time will participation in a research study be part of a grade or a requirement for this course. This notification does not imply that by enrolling in this class you have provided consent to be a subject in a research study. Should you be asked to participate in a research study a consent form will be presented to you describing the study and asking for your signature. Participation in research is always voluntary and refusing to participate will have no adverse effects on your standing in the course. To learn more about research at Rutgers University and Human Subject research go to:

http://orsp.rutgers.edu/index.php?q=content/institutional-review-board-irb

INTRODUCTION TO DATA STRUCTURES and ALGORITHMS

Rutgers University

0. Course Logistics



https://ds.cs.rutgers.edu

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