

Course Syllabus

CS2200 - Introduction to Systems and Networking

Purpose and Outcomes

Purpose

Provide a broad exposure to computer system structure and networking including software abstractions in operating systems for orchestrating the usage of the computing resources:

- Organization of the processor
- Memory hierarchy
- Storage devices
- Parallel processors
- Networking hardware
- Software abstractions in the operating systems for orchestrating their usage
- Networking protocols to connect the computer system to its environment

Outcomes

- (Competency Knowledge) Understand the difference between RISC and CISC architectures. Be able to identify the strengths and weaknesses of each paradigm.
- (Competency Knowledge) Understand and be able to explain runtime system concepts such as procedure calls and register saving. Be able to write recursive subroutines in assembly.
- (Competency Application) Understand how a processor is controlled. Given a datapath and an instruction set be able to write the finite state machine steps in a high-level meta language.
- (Competency Knowledge) Understand and be able to explain (at a high level) hardware modifications required to implement an interrupt system and to understand the basic concepts required to write an interrupt handler (in assembly language).
- (Competency Knowledge) Understand the basic principles of pipelining:
 - Pipelining registers
 - Potential performance improvements with pipelining
 - Pipelining Hazards: Structural, Data, and Control
- (Competency Knowledge) Understand basic concepts of processor scheduling: Process vs program, PCB, scheduling algorithms (Round Robin, Shortest Job First, First Come First Served, Priority, Multilevel Queues), types of scheduler (short, medium, and long term), and context switching.
- (Competency Comprehension) Given a set of processes with appropriate parameters show scheduling behavior under different scheduling algorithms.
- (Competency Application) Be able to calculate the proper size required for pipeline register and speedups with pipelining.
- (Competency Application) Be able to solve basic word problems involving Amdahl's Law.

- (Competency Knowledge) Be able to identify and explain how to avoid or minimize the effect of the different types of pipelining hazards.
- (Competency Knowledge) Understand the drivers of memory cache designs: Temporal locality, spatial locality, and working set. Be able to match the design with the motivator.
- (Competency Knowledge) Understand the basic operation of virtual memory and typical components: Page table, virtual pages, physical frames, TLB, page/frame offset, page replacement algorithms (LRU, Random, FCFS, Optimum). Be able to describe the basic operation and identify the necessary subsystems.
- (Competency Knowledge) Understand the basic design of typical caches including indexes, tags, dirty and valid bits as well as multi-word blocks, set-associative, and fully associative caches. Given selected design parameters (i.e. word size, memory available for data)
- (Competency Knowledge) Understand basic concepts of parallel processing: UMA (SMP) vs NUMA configurations, multiprocessor cache coherency, network interconnection schemes, threads, mutex, condition variables.
- (Accomplishment Application) Be able to write multi-threaded programs using the pthreads package. An example would be a multithreaded producer-consumer application.
- (Competency Knowledge) Understand basic networking concepts: Ethernet (CSMA/CD), Token Ring, Payload vs. header and trailer, checksums, bandwidth, effective bandwidth, latency, MAC addresses, Network (IP) addresses, protocol stacks, TCP/IP, routing, hubs/repeaters, bridges, VLANs, routers.
- (Competency Knowledge) Understand fundamentals of I/O devices such as polling versus interrupts, memory-mapped I/O, device registers (data, control, and status), disk memory concepts (sectors, tracks, platters, cylinders, seek time, rotational latency), disk scheduling algorithms (FCFS, SSTF, scan, c-scan, look, c-look)
- (Accomplishment Synthesis) Write and debug medium-sized C programs that simulate various of the above subsystems (interrupt enabled processor, virtual memory, multi-threaded operating system schedulers, reliable transport layer protocol which will be examples of operating-system-like coding).

Textbooks and Software

Textbook

Ramachandran & Leahy

Computer Systems: An Integrated Approach to Architecture and Operating Systems

Publisher: PEARSON

ISBN: 9780321486134

Software

CircuitSim

<https://ra4king.github.io/CircuitSim/> [\(https://ra4king.github.io/CircuitSim/\)](https://ra4king.github.io/CircuitSim/)

CircuitSim is a tool for modeling digital circuits that will be used for the first few projects. You may download it from the CircuitSim website, or from the Files tab on Canvas.

Course Rules

CS2200 Rules and Regulations

1. You are responsible for turning in assignments on time. This includes allowing for unforeseen circumstances. You are also responsible for ensuring that what you turned in is what you meant to turn in. Canvas includes a feature to re-download assignment submissions: This allows you to retrieve exactly what you submitted and ensure that it works. Take advantage of this feature.
2. In general, programming assignments should be turned in with a Makefile and all files needed to compile and run the program. The TA grading your submission should be able to make and run your program without adding files, repairing things, etc. This supersedes all instructions in the project or homework files.
3. Demos will be required for most projects in the semester but may be omitted later on. Demo times are to be signed up with TAs via Canvas. If you cannot attend one of the predetermined slots, e-mail the Head TA to set up another time slot. If you sign up for a demo and miss it without a valid excuse you will receive a penalty starting at 25% off, which doubles for each successive missed demo in the semester. Speeding tickets, sleeping late, etc are NOT valid excuses. If you know you are going to miss a demo ahead of time, remove your name from the list and email the TA you are supposed to demo with about why you are missing the time. Regardless of why you miss your demo, you must sign up for another slot and still demo your project. An unexcused failure to demo before the demo period for the project ends counts as a missed demo.
4. Tests and examinations must be taken at the scheduled date and time. Please do not ask for special treatment because you (or your parents) have purchased non-refundable airline tickets. The safe time to travel is at the end of or after finals week. The finals schedule published at the beginning of the semester is TENTATIVE. The official schedule gets published very late in the semester.
5. The deadline for re-grades is 2 weeks after an assignment grade is posted or returned to you. This deadline also applies to picking up items that are returned in class. After this deadline, no grade changes will be made, and tests not picked up will be destroyed.
6. The Canvas announcements should be read every day. Official announcements about course matters will be posted there. The general course forum is for posting technical questions about assignments, tests, etc. Complaints, questions about your personal problems, etc. should be discussed with your instructor in person or via email.
7. If you have any major personal problems (family/illness/etc.) please go to the Dean of Student's office located in the Student Services Building (Flag Building) next to the Student Center. They are equipped and authorized to verify the problems and she will issue a note to all your instructors making them aware of the problem and requesting whatever extension, etc. is necessary. Note: we will award you 1 point (on Turning Point) for attendance if you have an institute authorized absence from class.
8. If you need a certain grade in order to stay in school, maintain a scholarship, etc. the time to worry about this is right from the beginning of the course not during the week before finals. Grades are

based on demonstrated performance, not individual needs based on factors external to the course.

Please do not request special consideration based on this type of situation.

9. Final grades will be available from OSCAR normally sometime the week after finals. You may review your final and discuss your grades during the following semester in which you are attending GT. Grades will not be discussed over break.
10. Out of consideration to your fellow students please turn off cell phones, beepers, wristwatch alarms, etc. Also, make every effort to be on time for class. If you are unavoidably late, please sit near the back and try to avoid as much disruption to the class as possible.
11. If you are graduating and need this course to do so please inform your instructor as soon as possible.
12. Complaints about TAs should be directed to the course instructors during office hours or via email.
13. Please be courteous in your correspondence with TAs and instructors.

Click [here](https://drive.google.com/file/d/1IOMwAU38C1JwOtnvKh2xulsdiwaISX6I/view?usp=sharing) (<https://drive.google.com/file/d/1IOMwAU38C1JwOtnvKh2xulsdiwaISX6I/view?usp=sharing>) for a schedule of classes, exams, and deadlines for homeworks and projects.

Project Grading Criteria

1. Student submits project as his/her own (this is what is expected of the students):
 - We will grade the project (out of 100%) as their own submission
 - Use 0 to 1 multiplier from oral to assess the final grade

Note: discussion among the students on how to do the project through Piazza and other means is encouraged. **HOWEVER, THE CODING OF THE PROJECT HAS TO BE DONE INDIVIDUALLY FOR FULL CREDIT. ZERO TOLERANCE FOR PLAGIARISM (SEE next item).**
2. Student submits project as his/her own:
 - The TAs determine the project is plagiarized. **TRUST US, IT IS REAL EASY TO DETERMINE THIS....**
 - The projects get a ZERO and all the colluders are reported directly to the dean of students
3. Student does not submit his/her own project but says at the time of the oral interview that he/she obtained the project from a peer just to learn, but he/she did not do any coding themselves
 - The TAs will grade their knowledge of the project through the oral interview on a scale of 0 to 25% (MAX)

Assignment Submission Instructions

The following list is designed to help you submit assignments that can be effectively graded giving you the best possible results.

1. **ALWAYS** retrieve your files from Canvas and check that what you turned in is what you intended to turn in. **NO EXCEPTIONS.**

2. If you have any problems submitting, email your grading TA what you would have submitted BEFORE the deadline for the assignment(s).
3. Homework and Project Assignments may be worked on collaboratively. What that means is you can work with fellow students to learn how to do the project, post project and homework related questions to Piazza, and seek help from fellow students and TAs. But what you turn in should be YOUR OWN work.
4. YOU CANNOT COPY CODE OR HOMEWORK SOLUTIONS FROM THE INTERNET AND SUBMIT THEM AS YOUR OWN. THAT IS PLAGIARISM.
5. If you are not sure about the collaboration policy in this class please ask a TA or stop by the instructor's office during office hours.
6. Tests and Project demos are individual efforts.
7. Submit text as plain ASCII text. Do NOT submit word/wordstar/excel/123/dbase2/etc. files.
8. For written (as opposed to code) submissions: Only submit the answers (properly numbered). Do not submit the questions.
9. Wrap text to 80 characters or less.
10. Put your name and GT username at the top of each file (if code, as a comment).
11. Coding guidelines
 1. You must provide a Makefile that compiles and links your code by default.
 2. Your code must compile with gcc on the States Lab Machines. If your code does not compile you will get a zero for the assignment.
 3. You will be penalized if your code produces warnings when compiled with the following flags: -Wall -pedantic -O2
 4. You must turn in ALL files that are used to build your executable, including the files which we provide you - no matter what makes submit returns or what the assignment says.
 5. Code should be well commented on and use a clean, consistent (readable) style i.e. proper indenting, etc.
 6. You must use the provided script/Makefile to package your submission if one is given. Much of the grading is automated with scripts, and failing to submit the proper format may delay receiving a grade on your submission.

Please be careful when submitting assignments, and double-check each one! Ask a TA if you are unsure of the procedure.

Late Policy (under construction)

Students are given **ONE** use of one-time-forgiveness throughout the semester. When used, the project/homework may be turned in up to 3 days late without penalty. The usage is all or nothing, so you cannot use one day for 3 projects. We will assume the first late assignment you turn in uses this one-time forgiveness unless otherwise specified.

If you have already used your one-time-forgiveness, you will receive -25% for each day it is late. For example, a project that is two days late gets -50% so an 80 would be a 40. If it is later than 3 days, then

it is a 0.

Prerequisites

CS2110

or

ECE2020 and ECE2035

Examinations

- Exam questions will be released on Friday @ 11:59 PM
 - You can view the questions under Canvas Modules > Exam
 - You can practice on the exam (study and solve all questions) before you officially take it.
 - You can ask for clarification on the questions by creating a private post on Piazza
 - Please note that we will only respond to posts that we believe call for clarification. If we believe the question is stated clearly, we will not post a response. If you still think you have to make assumptions, state them in your answer. Note that any assumptions that trivialize the intent of the question will not be accepted.
 - You will have until Monday @ 11:59 PM to take the exam.
 - Once you start the exam, it will be timed and will automatically close after 75 mins, or on Monday at 11:59 PM, whichever comes first. You cannot pause the timer once it starts.
 - The exam will be proctored with HonorLock. You are not allowed to consult any material (book, notes, etc.) while taking the exam.
 - **Do NOT wait until the last minute to take the exam, there could be technology glitches (e.g. power outage, network connectivity loss).**
 - If you have accommodations from ODS, you must send an email to Bo (bmanev3@gatech.edu) ([\(mailto:bmanev3@gatech.edu\)](mailto:bmanev3@gatech.edu)) with your ODS letter.
 - Physical calculators are allowed or you can use the built-in calculator on the exam.
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1. As a rule, makeup exams will be given ONLY for absences authorized by the institute and/or medical conditions (for either of them providing documentary evidence is the ONUS of the student).
 2. No exceptions will be made for family related personal travel (exceptions will be made if the travel is necessitated due to the health condition of a family member; the onus is on the student to provide documentary evidence).
 3. Exceptions for personal travel that is for an interview will be made on a case-by-case basis. It is the responsibility of the student to make every attempt to ensure that the interview does not conflict with a posted exam date. For example, even if the company proposes a date that conflicts with an exam date, the student should let the company know of the conflict. Nine out of 10 times, the company will respect such conflicts and give a different date. There could be some extenuating circumstance due

to which the company may not be able to offer a different date. The student should provide convincing evidence of such a circumstance to get an exception for a makeup exam.

4. Any exception should be obtained PRIOR TO THE EXAM DATE.

Grade Breakdown (under construction)

Participation (Turning Point Response + Piazza Participation)	5%
Projects (5 of them weighted equally)	25%
Homework	10%
Tests (4 of them weighted equally)	60%
Total	100%

Section A&GR:

- Turning Point accounts for 3%
- Piazza participation accounts for 2% (Provide answers to peer questions; Ask questions; Work out past exams collaboratively, etc.); Note: We will use the summary stats from Piazza in the following categories: "views", "contributions", "questions", "answers". The exact weightage of each is not revealed to the students, but I am sure the students are savvy enough to know which would count for more!

Course Summary:

Date	Details	Due
Tue Jan 19, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar?event_id=3217457&include_contexts=course_225552)	12:30pm to 1:50pm
Thu Jan 21, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar?event_id=3217443&include_contexts=course_225552)	12:30pm to 1:50pm
Tue Jan 26, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar?event_id=3217453&include_contexts=course_225552)	12:30pm to 1:50pm
Thu Jan 28, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar?event_id=3217439&include_contexts=course_225552)	12:30pm to 1:50pm

Date	Details	Due
Tue Feb 2, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217441&include_contexts=course_225552)	12:30pm to 1:50pm
Thu Feb 4, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217435&include_contexts=course_225552)	12:30pm to 1:50pm
Fri Feb 5, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217423&include_contexts=course_225552)	12:30pm to 1:50pm
Tue Feb 9, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217455&include_contexts=course_225552)	12:30pm to 1:50pm
Tue Feb 16, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217409&include_contexts=course_225552)	12:30pm to 1:50pm
Thu Feb 18, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217449&include_contexts=course_225552)	12:30pm to 1:50pm
Tue Feb 23, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217451&include_contexts=course_225552)	12:30pm to 1:50pm
Thu Feb 25, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217447&include_contexts=course_225552)	12:30pm to 1:50pm
Tue Mar 2, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217445&include_contexts=course_225552)	12:30pm to 1:50pm
Thu Mar 4, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217437&include_contexts=course_225552)	12:30pm to 1:50pm
Tue Mar 9, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217417&include_contexts=course_225552)	12:30pm to 1:50pm

Date	Details	Due
Thu Mar 11, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217403&include_contexts=course_225552)	12:30pm to 1:50pm
Tue Mar 16, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217427&include_contexts=course_225552)	12:30pm to 1:50pm
Thu Mar 18, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217433&include_contexts=course_225552)	12:30pm to 1:50pm
Tue Mar 23, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217431&include_contexts=course_225552)	12:30pm to 1:50pm
Thu Mar 25, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217429&include_contexts=course_225552)	12:30pm to 1:50pm
Tue Mar 30, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217425&include_contexts=course_225552)	12:30pm to 1:50pm
Thu Apr 1, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217415&include_contexts=course_225552)	12:30pm to 1:50pm
Tue Apr 6, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217419&include_contexts=course_225552)	12:30pm to 1:50pm
Thu Apr 8, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217407&include_contexts=course_225552)	12:30pm to 1:50pm
Tue Apr 13, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217401&include_contexts=course_225552)	12:30pm to 1:50pm
Thu Apr 15, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217399&include_contexts=course_225552)	12:30pm to 1:50pm

Date	Details	Due
Tue Apr 20, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217421&include_contexts=course_225552)	12:30pm to 1:50pm
Thu Apr 22, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217413&include_contexts=course_225552)	12:30pm to 1:50pm
Tue Apr 27, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217411&include_contexts=course_225552)	12:30pm to 1:50pm
Thu Apr 29, 2021	 CS 2200 Spring 2021 Lecture (https://gatech.instructure.com/calendar? event_id=3217405&include_contexts=course_225552)	12:30pm to 1:50pm
Tue Jan 11, 2022	 BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures (https://gatech.instructure.com/calendar? event_id=3218177&include_contexts=course_225552)	12:30pm to 1:45pm
Thu Jan 13, 2022	 BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures (https://gatech.instructure.com/calendar? event_id=3218211&include_contexts=course_225552)	12:30pm to 1:45pm
Tue Jan 18, 2022	 BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures (https://gatech.instructure.com/calendar? event_id=3218179&include_contexts=course_225552)	12:30pm to 1:45pm
Thu Jan 20, 2022	 BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures (https://gatech.instructure.com/calendar? event_id=3218213&include_contexts=course_225552)	12:30pm to 1:45pm
Fri Jan 21, 2022	 Diagnostic (https://gatech.instructure.com/courses/225552/assignments/990140)	due by 11:59pm
Tue Jan 25, 2022	 BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures (https://gatech.instructure.com/calendar? event_id=3218181&include_contexts=course_225552)	12:30pm to 1:45pm

Date	Details	Due
Thu Jan 27, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218215&include_contexts=course_225552)	12:30pm to 1:45pm
Tue Feb 1, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218183&include_contexts=course_225552)	12:30pm to 1:45pm
Wed Feb 2, 2022	 <u>BlueJeans Meeting:Lab Section A04</u> (https://gatech.instructure.com/calendar?event_id=3350381&include_contexts=course_225552)	6:15pm to 8pm
	 <u>BlueJeans Meeting:Lab Section A01</u> (https://gatech.instructure.com/calendar?event_id=3361563&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section A03 (Recorded)</u> (https://gatech.instructure.com/calendar?event_id=3357475&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section A06</u> (https://gatech.instructure.com/calendar?event_id=3377479&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section B01</u> (https://gatech.instructure.com/calendar?event_id=3375519&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section C01</u> (https://gatech.instructure.com/calendar?event_id=3374735&include_contexts=course_225552)	6:30pm to 9:15pm

Date	Details	Due
	 <u>BlueJeans Meeting:Lab</u> <u>Sections B02, B03, B04, B05, & B06</u> (https://gatech.instructure.com/calendar?event_id=3350453&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>Homework 1</u> (https://gatech.instructure.com/courses/225552/assignments/990144)	due by 6:30pm
	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218217&include_contexts=course_225552)	12:30pm to 1:45pm
Thu Feb 3, 2022		
	 <u>BlueJeans Meeting:Lab</u> <u>Section A02</u> (https://gatech.instructure.com/calendar?event_id=3350429&include_contexts=course_225552)	6:30pm to 9:15pm
Tue Feb 8, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218185&include_contexts=course_225552)	12:30pm to 1:45pm
Wed Feb 9, 2022	 <u>BlueJeans Meeting:Lab</u> <u>Section A04</u> (https://gatech.instructure.com/calendar?event_id=3350383&include_contexts=course_225552)	6:15pm to 8pm
	 <u>BlueJeans Meeting:Lab</u> <u>Section A01</u> (https://gatech.instructure.com/calendar?event_id=3361565&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> <u>Section A02</u> (https://gatech.instructure.com/calendar?event_id=3350431&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> <u>Section A03 (Recorded)</u> (https://gatech.instructure.com/calendar?event_id=3357477&include_contexts=course_225552)	6:30pm to 9:15pm

Date	Details	Due
	 <u>BlueJeans Meeting:Lab</u> Section A06 (https://gatech.instructure.com/calendar?event_id=3377481&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section B01 (https://gatech.instructure.com/calendar?event_id=3393811&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section C01 (https://gatech.instructure.com/calendar?event_id=3374737&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Sections B02, B03, B04, B05, & B06 (https://gatech.instructure.com/calendar?event_id=3350455&include_contexts=course_225552)	6:30pm to 9:15pm
Thu Feb 10, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218219&include_contexts=course_225552)	12:30pm to 1:45pm
Fri Feb 11, 2022	 <u>Project 1: Datapath</u> (https://gatech.instructure.com/courses/225552/assignments/990168)	due by 11:59pm
Sat Feb 12, 2022	 <u>Homework 2</u> (https://gatech.instructure.com/courses/225552/assignments/990150)	due by 6:30pm
Mon Feb 14, 2022	 <u>Yuqing's Project 1 Demo</u> (https://gatech.instructure.com/appointment_groups/13635)	9am to Feb 18 at 4pm
	 <u>shuyan's P1 demo</u> (https://gatech.instructure.com/appointment_groups/13679)	9am to Feb 18 at 10am
	 <u>Yesha's MARvelous P1 Demos</u> (https://gatech.instructure.com/appointment_groups/13655)	9am to Feb 15 at 12pm
	 <u>Ishaan's P1 Demos</u> (https://gatech.instructure.com/appointment_groups/13631)	9am to 1:50pm

Date	Details	Due
	<u>Aditya's vALUable P1 Demos</u> (https://gatech.instructure.com/appointment_groups/13683)	9am to 10am
	<u>Ryan's Project 1 Demo</u> (https://gatech.instructure.com/appointment_groups/13641)	10am to 1pm
	<u>Aditya's vALUable P1 Demos</u> (https://gatech.instructure.com/appointment_groups/13685)	10am to 12pm
	<u>Charles's Demos!</u> (https://gatech.instructure.com/appointment_groups/13719)	10:30am to Feb 18 at 11am
	<u>Aidan's All About ALU (P1 Demos)</u> (https://gatech.instructure.com/appointment_groups/13735)	11am to Feb 18 at 12pm
	<u>Aditya's vALUable P1 Demos</u> (https://gatech.instructure.com/appointment_groups/13687)	12pm to 1:10pm
	<u>Ryan's Project 1 Demo</u> (https://gatech.instructure.com/appointment_groups/13649)	12pm to 12:10pm
	<u>Reza's Project 1 Demos</u> (https://gatech.instructure.com/appointment_groups/13637)	1:40pm to Feb 16 at 3pm
	<u>Ishaan's P1 Demos</u> (https://gatech.instructure.com/appointment_groups/13633)	1:50pm to 2:30pm
	<u>Maksim's vIRal P1 Demos</u> (https://gatech.instructure.com/appointment_groups/13653)	3pm to Feb 18 at 12pm
	<u>Malav's 'chillin' P1 Demos</u> (https://gatech.instructure.com/appointment_groups/13651)	5:10pm to Feb 18 at 3pm
Tue Feb 15, 2022	<u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218187&include_contexts=course_225552)	12:30pm to 1:45pm
	<u>Carsen's Hella Chill Demos</u> (https://gatech.instructure.com/appointment_groups/13669)	4pm to 5:20pm

Date	Details	Due
Wed Feb 16, 2022	 Carsen's Hella Chill Demos (https://gatech.instructure.com/calendar?event_id=3392749&include_contexts=course_225552)	4:50pm to 5pm
	 Aidan's All About ALU (https://gatech.instructure.com/appointment_groups/13733)	11am to Feb 18 at 12pm
	 Borun's reMARKable P1 Demo (https://gatech.instructure.com/appointment_groups/13711)	11:20am to Feb 18 at 1pm
	 ANDrej's P1 Demo (https://gatech.instructure.com/appointment_groups/13667)	11:30am to Feb 17 at 12pm
	 Hemang's P1 Demos (https://gatech.instructure.com/appointment_groups/13703)	3pm to 6pm
	 Carsen's Hella Chill Demos (https://gatech.instructure.com/appointment_groups/13671)	4pm to 5pm
	 BlueJeans Meeting:Lab Section A01 (https://gatech.instructure.com/calendar?event_id=3361567&include_contexts=course_225552)	6:30pm to 9:15pm
	 BlueJeans Meeting:Lab Section A02 (https://gatech.instructure.com/calendar?event_id=3350433&include_contexts=course_225552)	6:30pm to 9:15pm
	 BlueJeans Meeting:Lab Section A03 (Recorded) (https://gatech.instructure.com/calendar?event_id=3357479&include_contexts=course_225552)	6:30pm to 9:15pm
	 BlueJeans Meeting:Lab Section A06 (https://gatech.instructure.com/calendar?event_id=3377483&include_contexts=course_225552)	6:30pm to 9:15pm
	 BlueJeans Meeting:Lab Section B01 (https://gatech.instructure.com/calendar?event_id=3393813&include_contexts=course_225552)	6:30pm to 9:15pm

Date	Details	Due
	 <u>BlueJeans Meeting:Lab</u> Section C01 (https://gatech.instructure.com/calendar?event_id=3374739&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Sections B02, B03, B04, B05, & B06 (https://gatech.instructure.com/calendar?event_id=3350457&include_contexts=course_225552)	6:30pm to 9:15pm
Thu Feb 17, 2022	 <u>Aidan's All About ALU (Project 1 Demo)</u> (https://gatech.instructure.com/appointment_groups/13681)	12pm to 1:30pm
	 <u>Hemang's P1 Demos</u> (https://gatech.instructure.com/appointment_groups/13707)	12:30pm to 1:50pm
	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218221&include_contexts=course_225552)	12:30pm to 1:45pm
	 <u>Carsen's Hella Chill Demos</u> (https://gatech.instructure.com/appointment_groups/13673)	4pm to 5pm
Fri Feb 18, 2022	 <u>BlueJeans Meeting:Lab</u> Section A04 (https://gatech.instructure.com/calendar?event_id=3350385&include_contexts=course_225552)	6:15pm to 8pm
	 <u>Shun's P1 Demos</u> (https://gatech.instructure.com/appointment_groups/13659)	9am to 1:20pm
	 <u>Tristans' BUSSin P1 Demos</u> (https://gatech.instructure.com/appointment_groups/13657)	10:30am to 3:10pm
	 <u>John Lu's Demo</u> (https://gatech.instructure.com/appointment_groups/13663)	12pm to 4:30pm
	 <u>Prit's vALUable Project 1 Demo</u> (https://gatech.instructure.com/appointment_groups/13717)	12pm to 4:20pm

Date	Details	Due
	 Carsen's Hella Chill Demos (https://gatech.instructure.com/appointment_groups/13675)	12:30pm to 1:30pm
	 Ryan's Project 1 Demo (https://gatech.instructure.com/appointment_groups/13643)	3:10pm to 4:20pm
	 Ryan's Project 1 Demo (https://gatech.instructure.com/appointment_groups/13645)	4:20pm to 4:30pm
Tue Feb 22, 2022	 BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures (https://gatech.instructure.com/calendar?event_id=3218189&include_contexts=course_225552)	12:30pm to 1:45pm
Wed Feb 23, 2022	 BlueJeans Meeting:Lab Section A04 (https://gatech.instructure.com/calendar?event_id=3350387&include_contexts=course_225552)	6:15pm to 8pm
	 BlueJeans Meeting:Lab Section A01 (https://gatech.instructure.com/calendar?event_id=3361569&include_contexts=course_225552)	6:30pm to 9:15pm
	 BlueJeans Meeting:Lab Section A02 (https://gatech.instructure.com/calendar?event_id=3350435&include_contexts=course_225552)	6:30pm to 9:15pm
	 BlueJeans Meeting:Lab Section A03 (Recorded) (https://gatech.instructure.com/calendar?event_id=3357481&include_contexts=course_225552)	6:30pm to 9:15pm
	 BlueJeans Meeting:Lab Section A06 (https://gatech.instructure.com/calendar?event_id=3377485&include_contexts=course_225552)	6:30pm to 9:15pm
	 BlueJeans Meeting:Lab Section B01 (https://gatech.instructure.com/calendar?event_id=3393815&include_contexts=course_225552)	6:30pm to 9:15pm

Date	Details	Due
	 <u>BlueJeans Meeting:Lab</u> Section C01 (https://gatech.instructure.com/calendar?event_id=3374741&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Sections B02, B03, B04, B05, & B06 (https://gatech.instructure.com/calendar?event_id=3350459&include_contexts=course_225552)	6:30pm to 9:15pm
Thu Feb 24, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218223&include_contexts=course_225552)	12:30pm to 1:45pm
Tue Mar 1, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218191&include_contexts=course_225552)	12:30pm to 1:45pm
Wed Mar 2, 2022	 <u>BlueJeans Meeting:Lab</u> Section A04 (https://gatech.instructure.com/calendar?event_id=3350389&include_contexts=course_225552)	6:15pm to 8pm
	 <u>BlueJeans Meeting:Lab</u> Section A01 (https://gatech.instructure.com/calendar?event_id=3361571&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section A02 (https://gatech.instructure.com/calendar?event_id=3350437&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section A03 (Recorded) (https://gatech.instructure.com/calendar?event_id=3357483&include_contexts=course_225552)	6:30pm to 9:15pm

Date	Details	Due
	 <u>BlueJeans Meeting:Lab</u> Section A06 (https://gatech.instructure.com/calendar?event_id=3377487&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section B01 (https://gatech.instructure.com/calendar?event_id=3393817&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section C01 (https://gatech.instructure.com/calendar?event_id=3374743&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Sections B02, B03, B04, B05, & B06 (https://gatech.instructure.com/calendar?event_id=3350461&include_contexts=course_225552)	6:30pm to 9:15pm
Thu Mar 3, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218225&include_contexts=course_225552)	12:30pm to 1:45pm
Tue Mar 8, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218193&include_contexts=course_225552)	12:30pm to 1:45pm
Wed Mar 9, 2022	 <u>BlueJeans Meeting:Lab</u> Section A04 (https://gatech.instructure.com/calendar?event_id=3350391&include_contexts=course_225552)	6:15pm to 8pm
	 <u>BlueJeans Meeting:Lab</u> Section A01 (https://gatech.instructure.com/calendar?event_id=3361573&include_contexts=course_225552)	6:30pm to 9:15pm

Date	Details	Due
	 <u>BlueJeans Meeting:Lab</u> Section A02 (https://gatech.instructure.com/calendar?event_id=3350439&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section A03 (Recorded) (https://gatech.instructure.com/calendar?event_id=3357485&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section A06 (https://gatech.instructure.com/calendar?event_id=3377489&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section B01 (https://gatech.instructure.com/calendar?event_id=3393819&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section C01 (https://gatech.instructure.com/calendar?event_id=3374745&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Sections B02, B03, B04, B05, & B06 (https://gatech.instructure.com/calendar?event_id=3350463&include_contexts=course_225552)	6:30pm to 9:15pm
Thu Mar 10, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218227&include_contexts=course_225552)	12:30pm to 1:45pm
Tue Mar 15, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218195&include_contexts=course_225552)	12:30pm to 1:45pm

Date	Details	Due
	 <u>BlueJeans Meeting:Lab</u> Section A04 (https://gatech.instructure.com/calendar?event_id=3350393&include_contexts=course_225552)	6:15pm to 8pm
	 <u>BlueJeans Meeting:Lab</u> Section A01 (https://gatech.instructure.com/calendar?event_id=3361575&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section A02 (https://gatech.instructure.com/calendar?event_id=3350441&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section A03 (Recorded) (https://gatech.instructure.com/calendar?event_id=3357487&include_contexts=course_225552)	6:30pm to 9:15pm
Wed Mar 16, 2022	 <u>BlueJeans Meeting:Lab</u> Section A06 (https://gatech.instructure.com/calendar?event_id=3377491&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section B01 (https://gatech.instructure.com/calendar?event_id=3393821&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section C01 (https://gatech.instructure.com/calendar?event_id=3374747&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Sections B02, B03, B04, B05, & B06 (https://gatech.instructure.com/calendar?event_id=3350465&include_contexts=course_225552)	6:30pm to 9:15pm

Date	Details	Due
Thu Mar 17, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218229&include_contexts=course_225552)	12:30pm to 1:45pm
Tue Mar 22, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218197&include_contexts=course_225552)	12:30pm to 1:45pm
Wed Mar 23, 2022	 <u>BlueJeans Meeting:Lab Section A04</u> (https://gatech.instructure.com/calendar?event_id=3350395&include_contexts=course_225552)	6:15pm to 8pm
	 <u>BlueJeans Meeting:Lab Section A01</u> (https://gatech.instructure.com/calendar?event_id=3361577&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section A02</u> (https://gatech.instructure.com/calendar?event_id=3350443&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section A03 (Recorded)</u> (https://gatech.instructure.com/calendar?event_id=3357489&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section A06</u> (https://gatech.instructure.com/calendar?event_id=3377493&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section B01</u> (https://gatech.instructure.com/calendar?event_id=3393823&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section C01</u> (https://gatech.instructure.com/calendar?event_id=3374749&include_contexts=course_225552)	6:30pm to 9:15pm

Date	Details	Due
	 <u>BlueJeans Meeting:Lab</u> <u>Sections B02, B03, B04, B05, & B06</u> (https://gatech.instructure.com/calendar?event_id=3350467&include_contexts=course_225552)	6:30pm to 9:15pm
Thu Mar 24, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218231&include_contexts=course_225552)	12:30pm to 1:45pm
Tue Mar 29, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218199&include_contexts=course_225552)	12:30pm to 1:45pm
Wed Mar 30, 2022	 <u>BlueJeans Meeting:Lab Section A04</u> (https://gatech.instructure.com/calendar?event_id=3350397&include_contexts=course_225552)	6:15pm to 8pm
	 <u>BlueJeans Meeting:Lab Section A01</u> (https://gatech.instructure.com/calendar?event_id=3361579&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section A02</u> (https://gatech.instructure.com/calendar?event_id=3350445&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section A03 (Recorded)</u> (https://gatech.instructure.com/calendar?event_id=3357491&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section A06</u> (https://gatech.instructure.com/calendar?event_id=3377495&include_contexts=course_225552)	6:30pm to 9:15pm

Date	Details	Due
	 <u>BlueJeans Meeting:Lab</u> Section B01 (https://gatech.instructure.com/calendar?event_id=3393825&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section C01 (https://gatech.instructure.com/calendar?event_id=3374751&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Sections B02, B03, B04, B05, & B06 (https://gatech.instructure.com/calendar?event_id=3350469&include_contexts=course_225552)	6:30pm to 9:15pm
Thu Mar 31, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218233&include_contexts=course_225552)	12:30pm to 1:45pm
Tue Apr 5, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218201&include_contexts=course_225552)	12:30pm to 1:45pm
Wed Apr 6, 2022	 <u>BlueJeans Meeting:Lab</u> Section A04 (https://gatech.instructure.com/calendar?event_id=3350399&include_contexts=course_225552)	6:15pm to 8pm
	 <u>BlueJeans Meeting:Lab</u> Section A01 (https://gatech.instructure.com/calendar?event_id=3361581&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section A02 (https://gatech.instructure.com/calendar?event_id=3350447&include_contexts=course_225552)	6:30pm to 9:15pm

Date	Details	Due
	 <u>BlueJeans Meeting:Lab</u> Section A03 (Recorded) (https://gatech.instructure.com/calendar?event_id=3357493&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section A06 (https://gatech.instructure.com/calendar?event_id=3377497&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section B01 (https://gatech.instructure.com/calendar?event_id=3393827&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section C01 (https://gatech.instructure.com/calendar?event_id=3374753&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Sections B02, B03, B04, B05, & B06 (https://gatech.instructure.com/calendar?event_id=3350471&include_contexts=course_225552)	6:30pm to 9:15pm
Thu Apr 7, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218235&include_contexts=course_225552)	12:30pm to 1:45pm
Tue Apr 12, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218203&include_contexts=course_225552)	12:30pm to 1:45pm
Wed Apr 13, 2022	 <u>BlueJeans Meeting:Lab</u> Section A04 (https://gatech.instructure.com/calendar?event_id=3350401&include_contexts=course_225552)	6:15pm to 8pm

Date	Details	Due
	 <u>BlueJeans Meeting:Lab</u> Section A01 (https://gatech.instructure.com/calendar?event_id=3361583&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section A02 (https://gatech.instructure.com/calendar?event_id=3350449&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section A03 (Recorded) (https://gatech.instructure.com/calendar?event_id=3357495&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section A06 (https://gatech.instructure.com/calendar?event_id=3377499&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section B01 (https://gatech.instructure.com/calendar?event_id=3393829&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab</u> Section C01 (https://gatech.instructure.com/calendar?event_id=3374755&include_contexts=course_225552)	6:30pm to 9:15pm
Thu Apr 14, 2022	 <u>BlueJeans Meeting:Lab</u> Sections B02, B03, B04, B05, & B06 (https://gatech.instructure.com/calendar?event_id=3350473&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218237&include_contexts=course_225552)	12:30pm to 1:45pm

Date	Details	Due
Tue Apr 19, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218205&include_contexts=course_225552)	12:30pm to 1:45pm
Wed Apr 20, 2022	 <u>BlueJeans Meeting:Lab Section A04</u> (https://gatech.instructure.com/calendar?event_id=3350403&include_contexts=course_225552)	6:15pm to 8pm
	 <u>BlueJeans Meeting:Lab Section A01</u> (https://gatech.instructure.com/calendar?event_id=3361585&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section A02</u> (https://gatech.instructure.com/calendar?event_id=3350451&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section A03 (Recorded)</u> (https://gatech.instructure.com/calendar?event_id=3357497&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section A06</u> (https://gatech.instructure.com/calendar?event_id=3377501&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section B01</u> (https://gatech.instructure.com/calendar?event_id=3393831&include_contexts=course_225552)	6:30pm to 9:15pm
	 <u>BlueJeans Meeting:Lab Section C01</u> (https://gatech.instructure.com/calendar?event_id=3374757&include_contexts=course_225552)	6:30pm to 9:15pm

Date	Details	Due
	 <u>BlueJeans Meeting:Lab Sections B02, B03, B04, B05, & B06</u> (https://gatech.instructure.com/calendar?event_id=3350475&include_contexts=course_225552)	6:30pm to 9:15pm
Thu Apr 21, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218239&include_contexts=course_225552)	12:30pm to 1:45pm
Tue Apr 26, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218207&include_contexts=course_225552)	12:30pm to 1:45pm
Thu Apr 28, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218241&include_contexts=course_225552)	12:30pm to 1:45pm
Tue May 3, 2022	 <u>BlueJeans Meeting:CS 2200 - A (Ramachandran) Live Lectures</u> (https://gatech.instructure.com/calendar?event_id=3218209&include_contexts=course_225552)	12:30pm to 1:45pm