
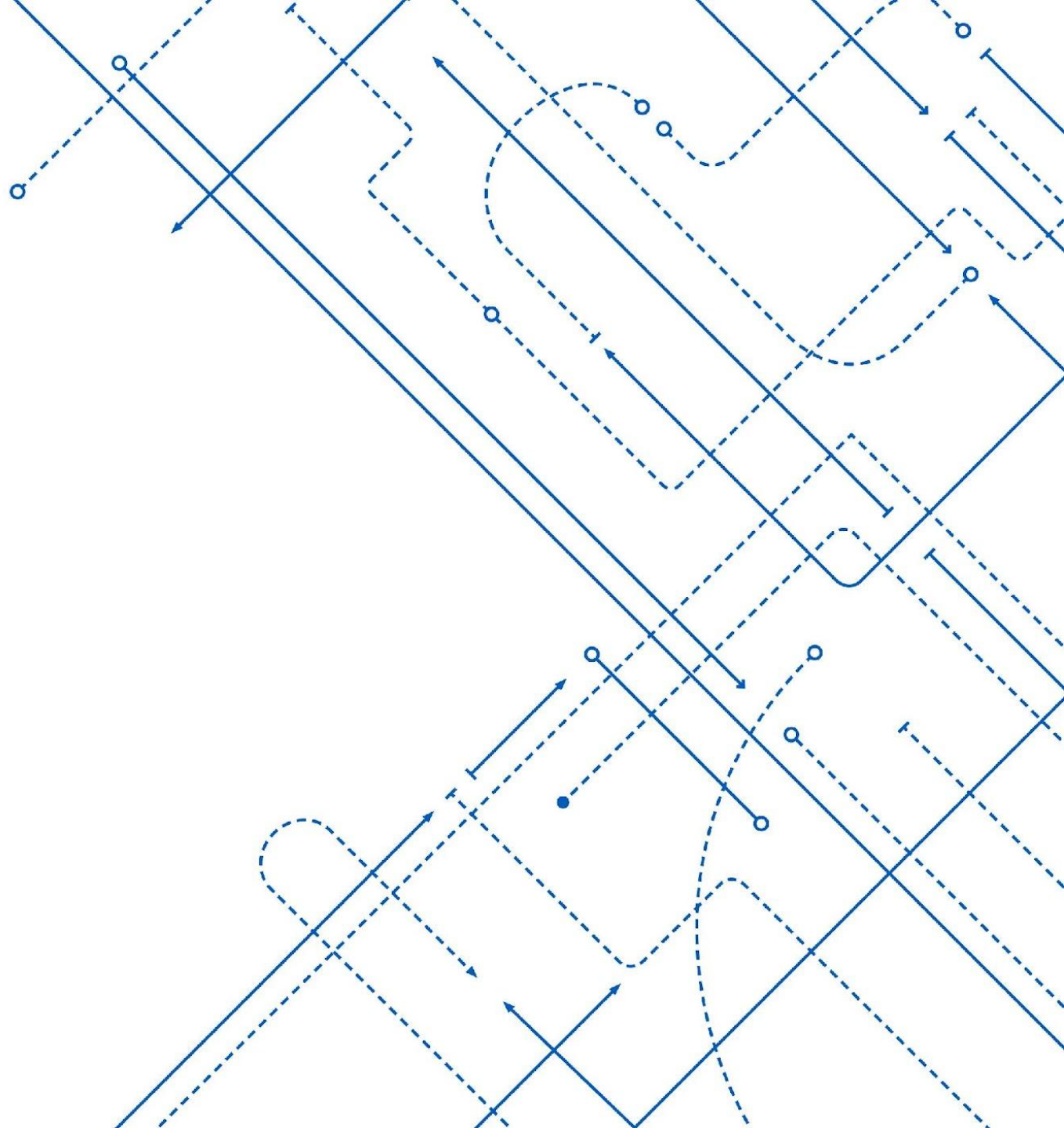


CSE 199: Internet, Computing, and Society

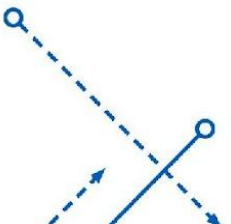
 University at Buffalo
Department of Computer Science
and Engineering
School of Engineering and Applied Sciences



Welcome, everyone to CSE 199!

We are so happy you're here! (All 700+ of you!)

- This week's lecture plan:
 - 199 Intro (Today)
 - UB CSE **Alumni Panel** (Wednesday)
- In recitation:
 - **Attendance**
 - Class Icebreakers
 - Group Icebreakers



Hey Chat what is CSE 199 at the University at Buffalo

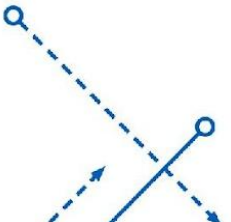


Memory updated

CSE 199 at the University at Buffalo is typically an introductory or special topics course offered by the Computer Science and Engineering department. The specifics of CSE 199 can vary depending on the semester and instructor, but it is generally designed to introduce students to various topics in computer science or provide an opportunity to explore special subjects that are not covered in the standard curriculum.

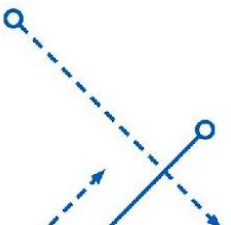
For precise details about the current offering of CSE 199, such as the course description, syllabus, and instructor, it would be best to check the University at Buffalo's course catalog or contact the Computer Science and Engineering department directly.

[this is wrong.]



“Why am I taking this course?”

1. **Because you [kind of] have to.** Every UB student has to take (and pass) a 199 course. We're happy you're with us!
2. **Because it will help you build skills to succeed in CSE.** We'll cover things like time management and violating academic integrity
3. **Because you will see different sides of computer science and engineering.** From AI to Ethics, we'll cover many (but not all) areas of a big field
4. **Because it will help you get a job.** This is not a “technical course.” But **the #1 thing we hear from potential employers who don't hire you is “they don't have the ‘other important skills’”**



The “other important skills”

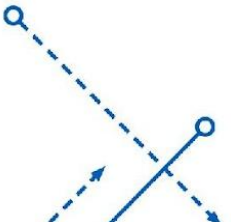
Competencies for a Career-Ready Workforce

Career Readiness Competencies

There are **eight career readiness competencies**, each of which can be demonstrated in a variety of ways.

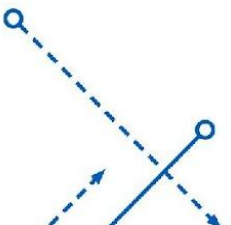


<https://www.naceweb.org/uploadedFiles/files/2021/resources/nace-career-readiness-competencies-revised-apr-2021.pdf>



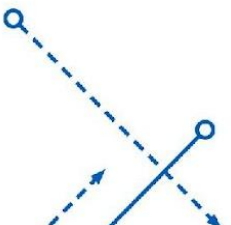
What CSE 199 is

1. **An attendance-heavy class.** If you show up **and participate**, it is somewhat challenging to **not** get an A
2. A **low workload class.** You should expect to spend around an hour per week outside of class on CSE 199. **Do not expect your other CSE classes to be the same.**
3. A **group-intensive class.** You will do groupwork in CSE 199, just like in the real world. This is a skill, you will not get a job without it. So we're practicing it here
4. A **presentation-heavy class.** See above - you need to develop this skill.



What CSE 199 is not

1. **A class that everyone passes.** Last semester, around 3% of the class failed. Do not expect to pass the course if you do not participate.
2. **A class you can cheat in.** Last semester, around 8% of the class was charged with a violation of academic integrity. This can go on your permanent record. More on this later.
3. **A place to judge others.** You are at UB to learn. Do not judge others who haven't yet been given the chance to learn what you have learned.

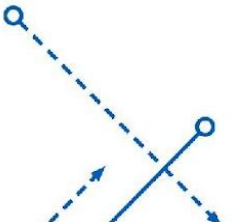


Who am I? Personal

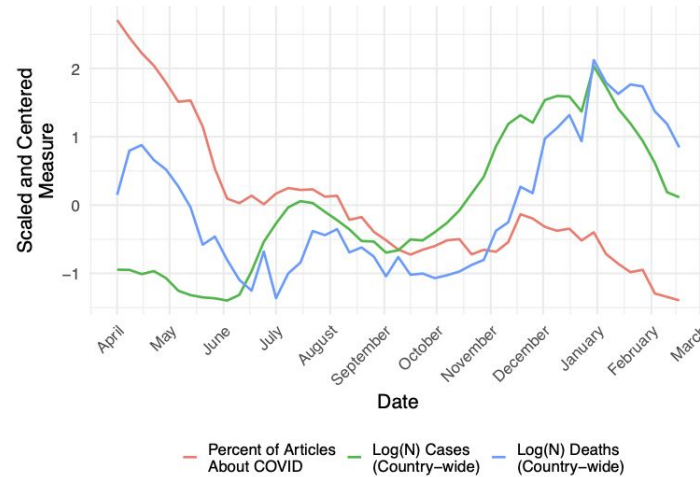
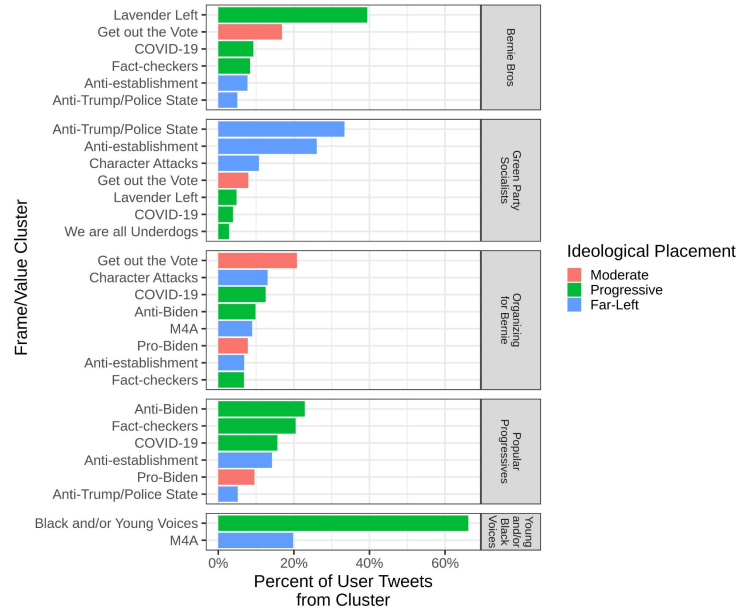


I am a native of Buffalo, NY. I can tell you where to find the best food and beverages

Most days, when not in the office, I'm hanging with these dudes

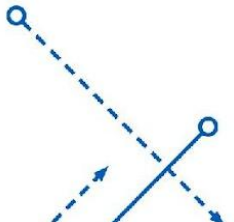
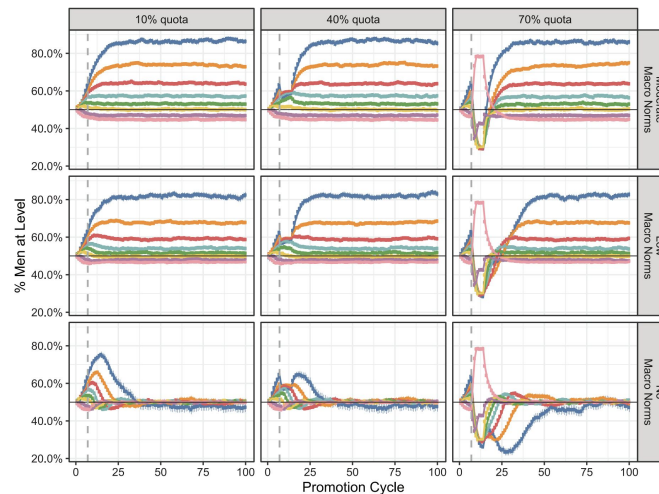
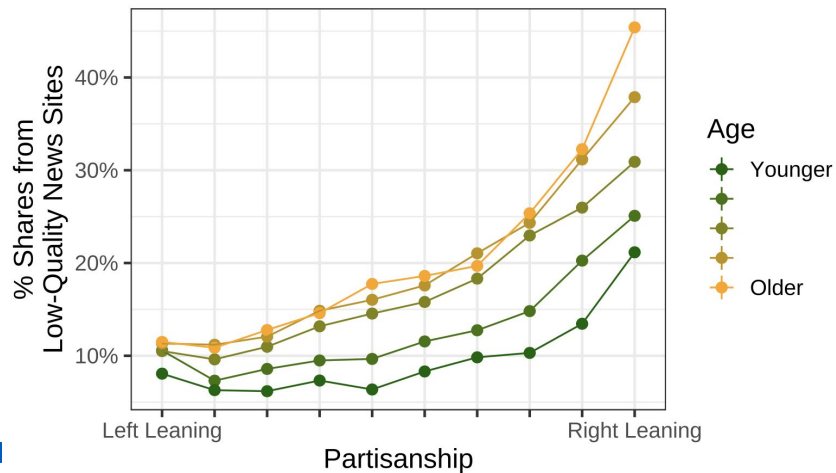


Who am I? Research

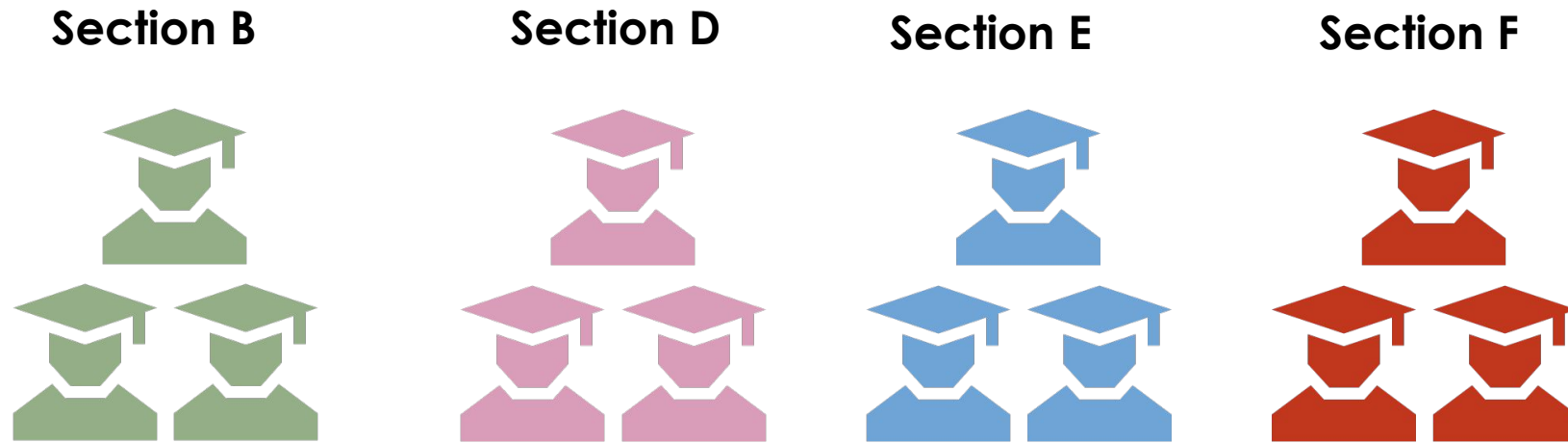


Most of my time in the office is spent doing research

My research focuses on measuring and modeling **sociotechnical systems** to characterize and reduce **social inequality**



The basic setup of CSE 199



There are **4 lecture sections**. Lectures meet **twice a week**, on **Mondays** and **Wednesdays**.

Do not ask us why it isn't A-E. We don't know. Blame someone else.

The basic setup of CSE 199



Recitation B1



Recitation B2



Recitation B3



Recitation B4



Recitation B5



Recitation B6

Each **lecture** has 6 **recitation sections**. You are in one of **them!** Your **recitation** is on Thursday **or** Friday. We'll come back to these in a minute!

The basic setup of CSE 199



Recitation B1

Check HUB to see
when and where your
recitation is!

Recitation B2

Recitation B3

Recitation B6

Each **lecture** has 6 **recitation sections**. You are in one of **them!** Your **recitation** is on Thursday **or** Friday. We'll come back to these in a minute!

The basic setup of CSE 199



Recitation B'

No. You cannot attend a different lecture/recitation and still get credit.



Recitation B6

of

Each **them!** Your **recitation** is on Thursday **or** Friday. We'll come back to these in a minute!



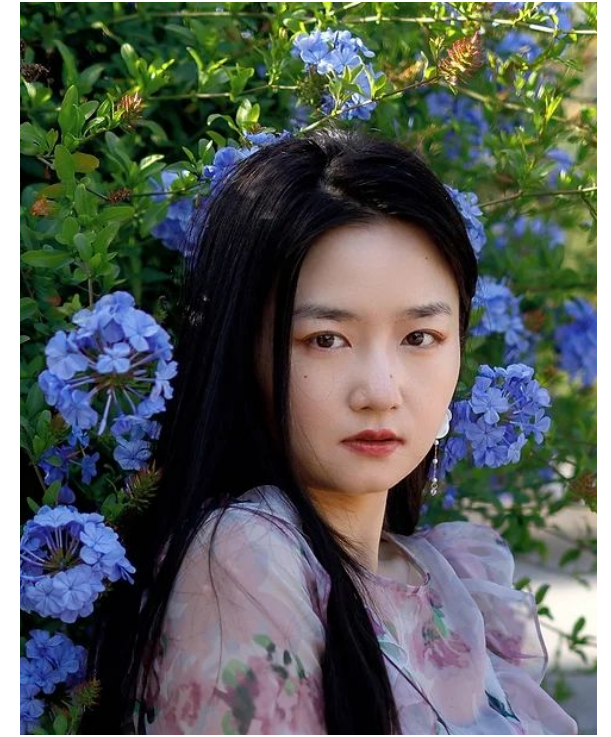
AI and
Healthcare



Data and
Society



Ethics and
Computing



Human-
Computer
Interaction

199 has **5 modules**; 1 intro (first two weeks) and **6 content modules** (3 weeks each).

Content modules are taught by different professors

Week 1



Lecture 1 (M)



Lecture 2 (W)



“Activity” Recitation 1
(Th or Fr)

Week 2



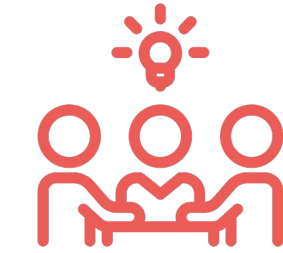
Lecture 1 (M)



Lecture 2 (W)



Individual Homework
(due Weds, 11:59PM)



“Activity” Recitation 2
(Th or Fr)

Week 3



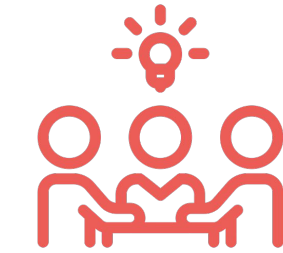
Lecture 1 (M)



Lecture 2 (W)



Group Homework
(due Weds, 11:59PM)



“Project” Recitation 3
(Th or Fr)

Each (content) **module** is three weeks long, and has 6 lectures, 1 individual HW, 1 Group HW, and 3 recitations

https://vimeo.com/user139951706/cse199hype?share=copy

CSE 199

Module

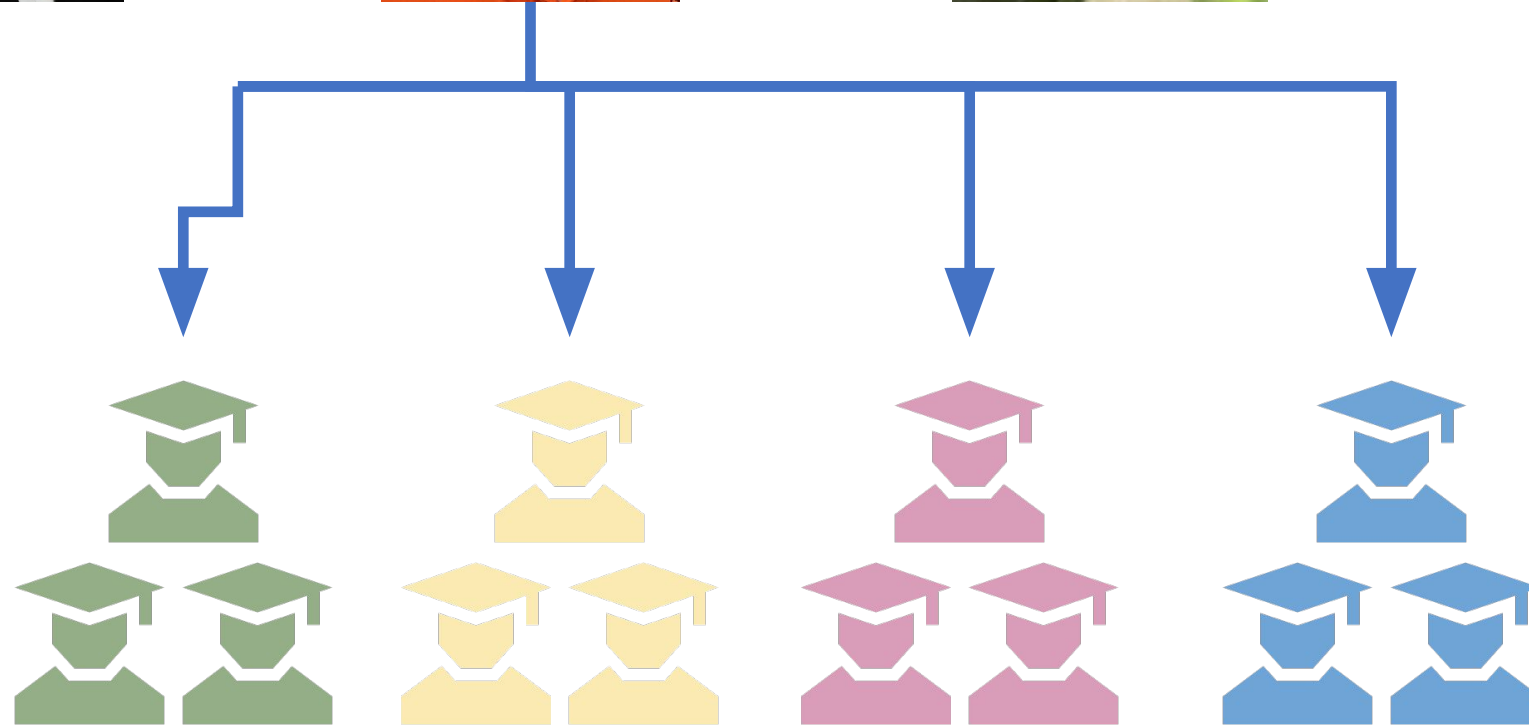
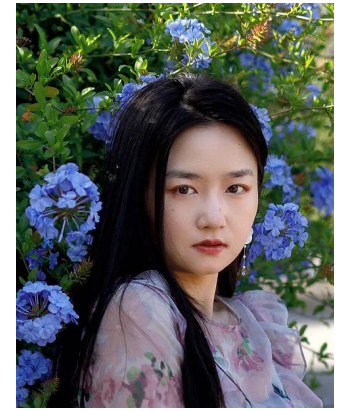
Hype

Videos.



<https://vimeo.com/user139951706/cse199hype?share=copy>





Each **lecture** gets each **module** for **3 weeks** (ordering depends on which lecture you're in) **Every 3 weeks, your lecture prof. changes!**



Your recitation instructors and TAs **will not change!**



You will be assigned a **group in recitation.**
You cannot change this group. That is how
the real world is, too. We are aiming to
force you to get used to it

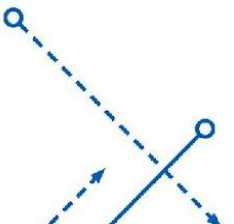
Your Teaching Assistants (TAs)

They are also undergraduate students just as you are!

You can also be a UTA (Undergraduate Teaching Assistant)!

- If interested, please talk to an instructor or a TA during the semester.
- Paid position (unpaid if you want to)

It is important to understand that for this course, **they are not your fellow students. They are part of the teaching staff, so approach them appropriately.**



UBLearns -> Place you go to submit stuff and check your grades

You are responsible for all UBLearns announcement content. Turn on notifications!

The screenshot shows the UBLearns interface for a course. At the top, there is a navigation bar with a home icon, the text "UB:LEARN'S", and the course title "CSE 199SR E: UB Seminar - Internet, Computing, & Society (17052 Fall 23) - Combined". To the right of the course title are icons for a grid, an envelope, a speech bubble, a bell, and a profile icon labeled "Kenneth Joseph as Student". Below the navigation bar is a blue header with links: "Course Home", "Content", "Announcements", "Assessments", "Grades", "Classlist", "Class Progress", and "Help". The main content area features a large banner image of a mountain range with the course title overlaid. Below the banner are four widget sections: "Updates" (no updates), "Announcements" (no announcements), "Visual Table of Contents Widget" (showing "Classroom Recordings" with a progress bar at 0% and "0 of 1 Topics Completed"), and "Calendar" (showing "Wednesday, August 23, 2023" and "Upcoming events" with no events displayed).

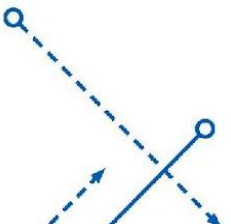
Josie, Kenny's dog --->

Questions?!

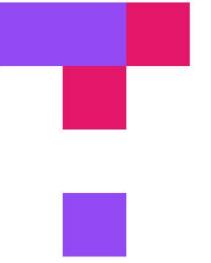


Detailed Logistics, Part 1

- **Lecture and recitation attendance is mandatory!**
 - We will take lecture attendance and measure participation with **TopHat** (more later).
 - **Recitation** attendance will be done by TAs
- Module HWs are due Wednesday at 11:59PM, and must be submitted to UBLeans as PDF



Details, Part 2 – Attendance



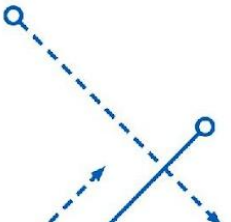
We will take attendance now, to show you the process.

- We are using [TopHat](#) for attendance, and to ask questions periodically during class to confirm your understanding. **Sign up before next lecture! You must get a subscription to TopHat, the free trial will expire before class, and will cause you trouble.**

For future lectures, attendance information:

- Will be put up before class starts
- Must be entered in the first ten minutes of class. **You must arrive within the first ten minutes, or be counted absent!**

For every 3 lectures or recitations that you miss, we will downgrade your letter grade by one (e.g., A to A-, then to B+, etc.).



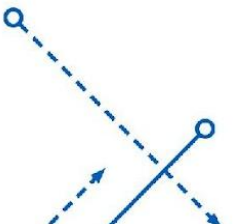
Details, Part 3 – Grading

Grading will generally use the following scheme:

- 0 pts: No submission or no attendance
- 1 pt: Clearly no effort for the assignment/activity
- 2 pts: Partial effort
- 3 pts: Full effort

(Following Bill Rapaport's scheme:

<https://www.cse.buffalo.edu/~rapaport/howigrade.html>)



Grading, cont.

Absolute based on total points earned (not curved)

A: 92.0% - 100.00%

A-: 88.0% - 91.9%

B+: 84.0% - 87.9%

B: 80.0% - 83.9%

B-: 76.0% - 79.9%

C+: 72.0% - 75.9%

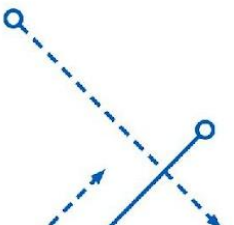
C: 66.0% - 71.9%

C-: 62.0% - 65.9%

D+: 58.0% - 61.9%

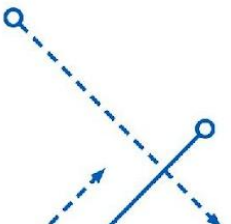
D: 50.0% - 57.9%

F: 49.9% or below



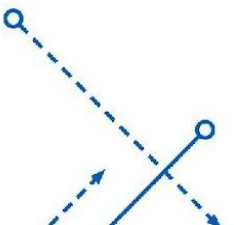
Details, Part 4 –Recitation

- The structure of recitations is the same each week:
 - Enter and **sit with your group** (you'll find this out on Thurs/Friday!)
 - Open up the **recitation assignment** (on the course website!)
 - Wait for any instructions
 - Create a **shared Doc/Slide deck** and begin working
 - With 7 minutes left:
 - Fill out the **Weekly Reflection** in UBLearns
 - **One group member** submits your recitation work



Recitation – Weekly Reflections

- We want to better understand your experience during recitations and how that changes over the course of the semester
- What you'll do:
 - Complete **an anonymous** few Likert scale responses about your group work experience
 - Answer 1-3 **non-anonymized** responses about your semester. Questions might include:
 - How is CSE 115 going?
 - What did you like least about this recitation?
 - How can we make CSE 199 better?
 - ...



Details, Part 4 – Recitation

Recitation grading: details in the syllabus, but we'll cover them briefly here as well...

- **0.5 Points:** Completion of your **weekly recitation** (a valid unique code from the anonymous questionnaire, and complete responses to the short-answer questions)
- **1.5 Points** will be allotted to your **group submission**. Grading will be for both correctness and completion based on what your instructors have asked you to complete for submission. Each recitation will provide its own grading scheme for the group submission.
- **1 Point** will be allotted for **individual interactive participation**. Grades will be assigned as follows:
 - 0 Points: Student did not participate meaningfully during recitation in any way. Most obviously, individuals that do not 1) visibly interact with their group members during recitation *or* 2) engage in class-wide discussion *or* 3) engage in presentation of group materials during recitations requiring presentation will receive a score of 0.
 - 0.75 Points: Student meaningfully participated in recitation in at least one of the three ways mentioned above.
 - 1 Point: Students went above and beyond in their participation, in particular by taking a *leading role* in 1) discussion within their groups, 2) presentation of course materials, or 3) class-wide discussions.



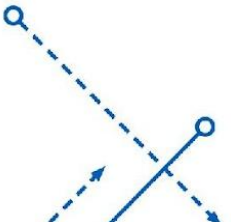
Details, Part 5 – 2023 CSE Cohort Survey

What?

- **Three 10-15 minute-surveys** at the beginning, middle, and end of the semester that you can complete anywhere.
- **Anonymous** to the CSE-199 teaching team and all UB faculty. We will **never** be able to associate responses to an individual student.
- **Completing the surveys will count toward your grade!**
- **If >80% of your section finishes all 3 surveys, you all get BONUS POINTS**

Why?

- To learn about your **goals** for the future, what **motivated** you to pursue CSE, and what **challenges** you foresee in the coming years.
- To create a **welcoming environment for everyone** in CSE.



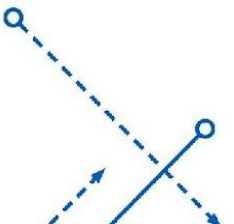
Details, Part 6 – Academic Integrity

Academic Integrity (AI) is very important to the University process!

In this course, your deliverables are largely:

- Assignments
- In-class participation and attendance

Falsifying your attendance, helping another to falsify their attendance, sharing TopHat quiz answers, copying from others for assignments, etc. are **all AI violations**.

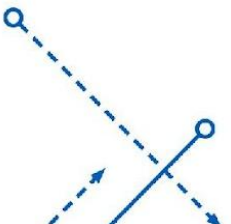


Academic Integrity, cont.

AI violations **will result in receiving at most a B- in this course. There will be no exceptions.**

On average, **around 10-12 students are punished for AI violations in CSE 199 every year. Last year, because of GPT, it was quadruple that number.** People have failed from this course because:

- They shared a TopHat attendance code with someone who was not in class
- They copied someone else's homework



The most important part about AI!

If you're having trouble,
contact course staff. We're
here to help!

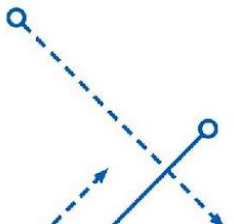
**If the faculty make you nervous,
contact the TAs!**

**But faculty shouldn't make you
nervous!** We want you to
succeed. **You failing is bad for
you, but it is also bad for us.**



< not scary

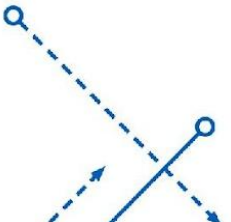
Unintimidating >



(The other) AI, continued.

Academic integrity violation records will be kept by the university.

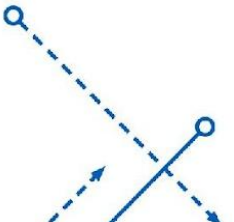
- You will likely lose your scholarship if you have one.
- Future employers can request academic integrity records (e.g., law enforcement, certain government sectors, etc.)
- Medical and law schools often request academic integrity records.



(The other) AI, continued.



Why should I not copy and paste answers from you on my homework?



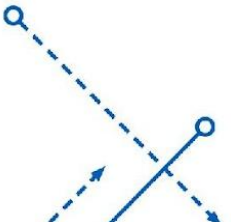
(The other) AI, continued.

Copying and pasting answers directly from sources like me for your homework might seem convenient, but it comes with several drawbacks:

1. **Plagiarism:** Submitting someone else's work as your own is considered plagiarism, which is unethical and against academic integrity. Schools and universities take plagiarism seriously and may impose penalties ranging from failing the assignment to even expulsion.

Several times throughout this class (and your majors!) we will **directly ask you to engage with Large Language Models (LLMs)**. But if you use an LLM to do your homework, and we catch you, this is **plagiarism**.

If you're not sure, ask.



Why will we make sure we catch you?

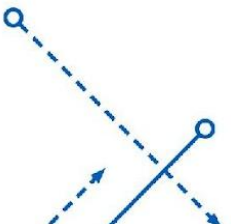
2. **Learning Opportunity:** Homework assignments are designed to help you understand and apply the concepts you're learning. Simply copying and pasting deprives you of the chance to engage with the material, practice critical thinking, and develop problem-solving skills.

4. **Long-Term Learning:** The purpose of education is not just to pass exams but to gain knowledge that you can apply in various contexts. By copying answers, you miss out on the opportunity to build a solid foundation for future learning.

6. **Zero Personal Growth:** The process of grappling with challenging questions, seeking answers, and formulating responses helps you grow intellectually. Copying bypasses this growth and development.

Because our job is to train you to go out in the world and do great things. How well we train you **reflects on you, your peers, UB as a whole, and us.**

And you will not learn by copy/pasting from GPT

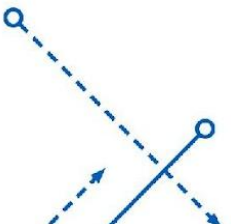


(The other) AI, continued.

In short:

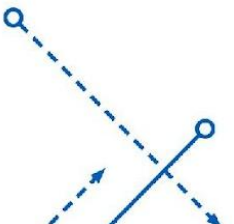
Most of you are in a major where many of the faculty **are actively developing technologies that use and/or help improve LLMs. We love technology! We think there are great uses of it!**

But our first priority is that you learn. And you will not learn by copy/pasting from an LLM.



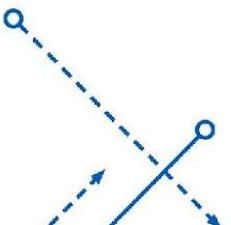
Please, please don't cheat

If you cheat, and we catch you, we will make sure it goes on your record, even though we are not scary or mean and we really hate doing it. There will be no exceptions.



Details, Part 7–Fall Break

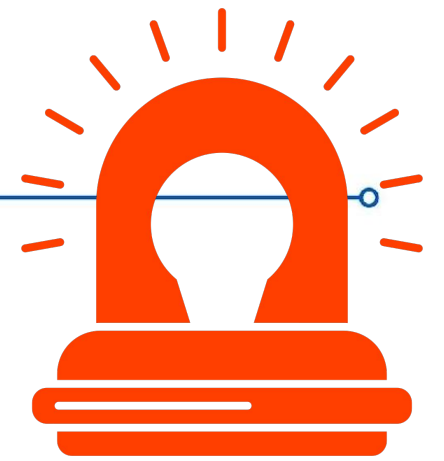
- UB has instituted a new Fall Break, on 10/14-10/15
- We will obviously **not have lecture on 10/14**. Otherwise, **nothing else will change**



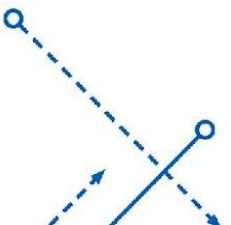
Questions?!



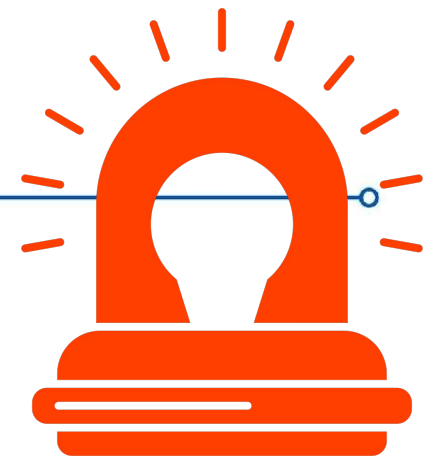
Your Three Current TODOs



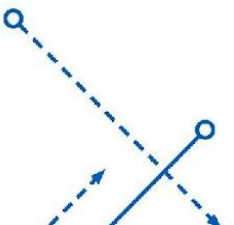
- You have three **TODOs**
 - Get access to TopHat (**by WEDNESDAY**)
 - **You will get an email TONIGHT with instructions on how to do so**
 - TopHat costs \$\$, if this is a problem, **email the Head Instructor:**
 - Professor Joseph: kjoseph@buffalo.edu



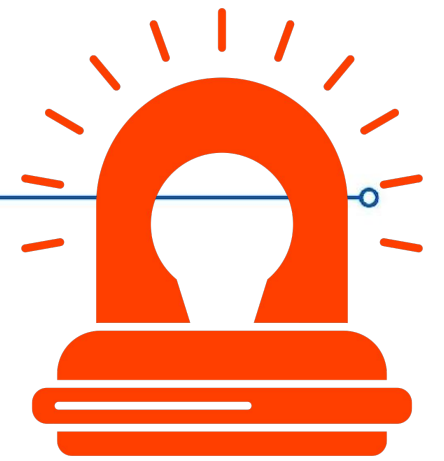
Your Three Current TODOs



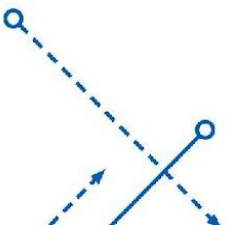
- You have three **immediate TODOs**
 - Get access to TopHat (**by WEDNESDAY**)
 - Complete the first CSE Cohort Study (**due NEXT Weds.**)
 - **You'll get information on how to do this on Wednesday**



Your Three Current TODOs



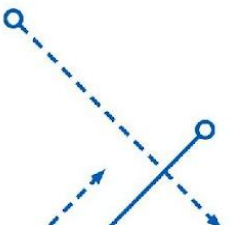
- You have three **immediate TODOs**
 - Get access to TopHat (**by WEDNESDAY**)
 - Complete the first CSE Cohort Study (**due NEXT Weds.**)
 - Complete your 8 Hours without the Internet Assignment (**due NEXT TUESDAY**)
 - ... details on next slide...



8 Hours without the Internet

For your first assignment (**due next TUESDAY**), you must:

- Go 8 hours without using the Internet
- Make a slide deck that includes:
 - A journal of your time without the 'net (Slide 1)
 - A slide you'll present to the class in Recitation 2 (Slide 2)
 - A slide with a **link to your Powerpoint** that is **accessible by the TAs**
- Your instructor will now show you how to access the assignment via the website & Brightspace
- **Note: this is the only thing you'll have due on a Tuesday. All assignments will typically be due Wednesday (TAs need time to create the slides!)**



Questions?!



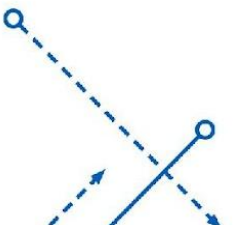
A common question, answered!

Why does this course have such a weird structure?

- We want to expose you to different topics in CSE!
 - One day you will have to **choose electives**; this will help
 - One day you will have to **work or do research across subdisciplines of CSE**; this will help.
- We want to **expose you to different teaching styles**
 - You will encounter these (and other styles!) later
 - Learn what works for you, and how to get what you can out of what doesn't

General Learning Outcomes

- Learning from different styles of instruction
- Collaboration in activities
- Understanding how to handle various lab/recitation/seminar/lecture type activities
- Attention to detail (please read instructions carefully!)
- Exposure to many concepts you may encounter throughout life, or studying various areas of STEM+C



**Yay! See you
Wednesday for our
Alumni Panels**

