

CS8900/9900: Computer Science Seminar

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iCollege

Seminar Hours:

Thursday 07:30-08:30pm

Class Room:

Classroom South, Room 600

Description

A seminar where CS department professors once a week introduce their research to the incoming students. The goal is to provide an introduction to the research life at the department. Besides the required attendance, the students are expected to produce 3 single-page reports describing the main ideas of presentations of their choice. An additional requirement is completion of the Responsible Conduct of Research training here: <https://ursa.research.gsu.edu/research-training/>. See details below.

As a first-year student, you have to decide on your track. It can be either among the three:

1. Project Option

- 3 6000-level courses + 4 8000-level courses
- CSc 8930 Project

2. Thesis Option

- 2 6000-level courses + 4 8000-level courses
- 6 hours of Thesis – CSc 8999

3. Course-only Option

- 1 more 6000-level (or above) course + 1 more 8000-level course
- CSc 8901

If you are going with options 1 or 2, you need to find an adviser. Use this seminar as an information source about what research is happening in our department. It will help you decide which professor you want to work with.

Pre-requisites

None! Every incoming student needs to take the Seminar in their first semester.

Seminar Policy

I will detail the policy for this course below.

Communication

Please address all your questions to the instructor by email.

Below is the tentative schedule of the Seminar.

| # | presenter | title | date | deadlines |
|----|------------------|--|----------|------------------|
| 1 | Plis, Sergey | Introduction to CS Seminar | 01/15/26 | |
| 2 | Liu, Jingyu | Imaging Genomics & Brain Disorders | 01/22/26 | |
| 3 | Iraji, Armin | Brain Connectivity & Mental Health | 01/29/26 | |
| 4 | Weeks, Michael | Digital Signal Processing & Bioinformatics | 02/05/26 | |
| 5 | Sunderraman, Raj | ML for Medical Image Classification | 02/12/26 | |
| 6 | | | 02/17/26 | Report #1 Due |
| 7 | Angryk, Rafal | Space Weather Analytics & Big Data | 02/19/26 | |
| 8 | Akbas, Esra | Graph Neural Networks & Social Analysis | 02/26/26 | |
| 9 | Wu, Yubao | Large-Scale Graph Mining | 03/05/26 | |
| 10 | Cai, Zhipeng | Privacy-Preserving ML & LLMs | 03/12/26 | |
| 11 | | | 03/17/26 | Report #2 Due |
| 12 | | Spring Break | 03/19/26 | |
| 13 | Ashok, Ashwin | Cyber-Physical Systems & Mobile IoT | 03/26/26 | |
| 14 | Li, Yingshu | AIoT & Privacy-Aware Computing | 04/02/26 | |
| 15 | Li, Wei (Lisa) | Privacy Computing & Blockchain | 04/09/26 | |
| 16 | Cao, Xiaojun | Optical & Wireless Networks | 04/16/26 | |
| 17 | Yili Jiang | Cybersecurity & Edge Intelligence | 04/23/26 | |
| 18 | | | 04/28/26 | Report #3 & Cert |

Assignments

Reports

After a block of approximately 5 presentations, the students are required to turn in a one page report on a presentation of their choice within the block. The report should be a short summary of the talk that answers following questions:

- What problem/research question was covered in the talk?
- What is currently used to addressed the problem?
- What was the approach presented or proposed by the speaker to address the problem?

The above should be described in no more than a single page. This page should contain the following information:

1. Student Name
2. Student Panther ID
3. Presentation Title
4. Speaker Name
5. Student's original work: description of the talk.

6. The speaker's signature approving the quality of this description. Please use [Adobe-sign e-signature system](#) available to GSU for free for that. If the link does not work for you, ask the speaker to either attach their signature or send an approving email to you such that you can include a screenshot with your submission.

Plagiarism is automatically detected on submission. Plagiarized reports are considered academic dishonesty and the student fails the seminar with potentially other administrative actions.

Certification

Complete the Responsible Conduct of Research training here: <https://ursa.research.gsu.edu/research-training/> There are several variants of the training in the system (Physical Sciences, Biological Sciences, Social sciences, etc.) - You can take any one of them and only one is required.

Late Assignments

Late submissions are not accepted. If any of the 3 reports and/or a certificate for Responsible Conduct of Research training is missing at the end of the semester - the Seminar is failed.

Academic Dishonesty Policy

Students are expected to submit their own work, to report only on what they completed/attended, and to conduct themselves in an honest manner. Students who do not follow these guidelines will be handled in a manner explained in the University Catalog. Please read the section on Academic Honesty and be honest in your submissions for this course.

One aspect of academic honesty is plagiarism. Plagiarism can include one or more of the following situations:

1. Copying information from another student's work or from other printed materials and submitting that work as your own.
2. Using other people's ideas, words, or data without properly documenting or acknowledging the outside source.
3. Overusing outside sources without incorporating your own ideas.

Any work containing plagiarized material will be graded as zero and cannot be made up. In some cases of plagiarism, students will receive a failing grade for the course. (See the University Catalog or the University website for additional information on academic honesty and plagiarism.) Take plagiarism seriously, in this and other classes. If you are not sure how to document something or what information must be documented, let your instructor know so that you can go over it together.

Students must work individually on the exam without any assistance from persons or things. Any student found to be cheating on an examination will receive a score of 0 for the exam, and possibly be given an F in the class. It is the student's responsibility to protect work from copying. No outside help is permitted. If a book or paper is used for the homework assignment, it must be referenced and not copied. Plagiarized work is determined solely by the instructor and teaching assistants and is graded solely at their discretion.

Closing of the University

Sometimes GSU closes because of weather conditions. To find out if the university is closed, go to www.gsu.edu or listen for an announcement on local TV or radio channels. If class is canceled, planned tests will take place during the next class session.

Students with Special Needs

Students who need special accommodations should arrange a meeting with the instructor as soon as possible. Bring a copy of your Student Accommodation Form to the meeting. If you do not have this form, make an appointment with the university's Office of Disability Services, 230 New Student Center, 404-413-1560.

Technology

GSU email

All students are **required** to activate and use their university e-mail account. Your instructor will send class updates and reminders via your GSU e-mail account. Please check your GSU e-mail regularly (daily) or have it forwarded to your personal account.

When emailing instructor or teaching assistants, you should do so from your students email account. Please also use meaningful subject line containing "[SEMINAR]";

iCOLLEGE

You are encouraged to check iCOLLEGE often for announcements and useful links/other materials posted. You'll be using iCOLLEGE for submitting homeworks as well. You are encouraged to communicate with your classmates there, creating "discussions".

This syllabus represents a general plan for the course, deviations may be necessary