

CS19300: Tools - Fall 2024

This course is designed to introduce new Computer Science, Data Science, and Artificial Intelligence students to various programming tools which will aid them in their Computer Science classes, personal projects, and software development job experiences.

Course Personnel

Course Leads

Name	Contact Info	Lecture Sections
Arman Kumar (Indianapolis Instructor)	kumar538@purdue.edu	PIN (Tues, 11:00 - 11:50 am)
Daniel Tian	tian223@purdue.edu	LE3 (Tues, 6:30pm - 7:30pm) LE4 (Mon, 6:30pm - 7:20pm)
Maria Molina	molina47@purdue.edu	LE1 (Tues, 5:30pm - 6:20pm) LE4 (Mon, 6:30pm - 7:20pm)
Paula Ramos Perez	pramospe@purdue.edu	LE1 (Tues, 5:30pm - 6:20pm) LE2 (Mon, 5:30pm - 6:20pm)
Shruti Sharma	sharm667@purdue.edu	LE2 (Mon, 5:30pm - 6:20pm) LE3 (Tues, 6:30pm - 7:30pm)

Teaching Assistants

TA-PSO assignments will be updated on this syllabus by the second week of classes.

Name	Email	PSO Section

Grading

Grade Description

30% of your grade consists of points from in-class attendance/comprehension and quizzes.
70% is based on homework assignments which will be graded for completeness and accuracy.

Grade Cutoffs

A: 100-90

B: 89-80

C: 79-60

F: 59-0

**There are no +/- grades in this class.

**There is no curve for this class.

Attendance Quizzes

Please attend your assigned lecture section each week for lecture (**Attendance is mandatory**).
Recorded lectures and lecture slides will be posted to Brightspace.

We will have an attendance/comprehension quiz during every class. **Please bring an electronic device that allows you to access Brightspace for our attendance quiz (this is your attendance grade)**. Quizzes are due at the end of your class period.

Attendance Policy

Part of your grade for this class is determined by “attendance/comprehension” (quizzes), so it is important to notify your lecturers if you will not be able to attend class. All university approved reasons for “absence” will be accepted; other reasons will be dealt with on a case by case basis and will require some form of proof.

For issues relating to attendance, please contact your assigned lecturer(s).

Required Materials

- Note taking material (paper or electronically)
- Access to the internet
- Access to a computer

Homework and Extra Credit

All homework (except for a portion of Homework 0) will be completed using GitHub Classroom. Homework 0 will include a handout with instructions for signing up with GitHub and accepting GitHub Classroom assignments. Assignment links will be posted on Brightspace.

For issues relating to homework grades, please contact one of your [PSO TAs](#).

Assignment	Topic	Release Date	Due Date	Late Deadline* (75% credit)
Homework 0	Syllabus/GitHub Classroom - Create Account + Website	Fri 8/23/24	Fri 8/30/24, 11:59pm	Fri 9/6/24, 11:59pm
Homework 1	Terminal Commands	Fri 8/30/24	Fri 9/13/24, 11:59pm	Fri 9/20/24, 11:59pm
Homework 2	Debugging	Fri 9/13/24	Fri 9/27/24, 11:59pm	Fri 10/4/24, 11:59pm
Homework 3	Git vs. GitHub	Fri 9/27/24	Fri 10/18/24, 11:59pm	Fri 10/25/24, 11:59pm
Homework 4	Merge Conflicts	Fri 10/18/24	Fri 11/1/24, 11:59pm	Fri 11/8/24, 11:59pm
Homework 5	LaTeX	Fri 11/1/24	Fri 11/8/24, 11:59pm	Fri 11/15/24, 11:59pm
Homework 6	CS 182 topics	Fri 11/8/24	Fri 11/22/24, 11:59pm	Fri 11/29/24, 11:59pm
Extra Credit	PyCharm, JDB, Code Standards, Valgrind, Complex Terminal commands	Fri 11/15/24	Fri 12/6/2024, 11:59pm	NO LATE SUBMISSION PERMITTED
*If you turn in an assignment late, you MUST email your PSO TA to ensure your late work gets graded.				

Late Homeworks

You are able to turn in any homework up to a week after its given due date for up to 75% of its normal value. To do this, reach out to your [PSO TAs](#) after you've completed the homework (and before the extra one week deadline is up) and they will update your grade accordingly.

Regrade Requests

Regrade requests for homework assignments should be sent via email to your assigned PSO TA, found in the [Teaching Assistants](#) section of the syllabus.

Office Hours/Additional Help

Instructors will hold virtual office hours via Zoom.

Instructor	Time	Zoom Link
Arman Kumar	Thursday, 11:30 am - 12:30 PM	https://purdue-edu.zoom.us/j/6446687687
Daniel Tian	Tuesday, 2:00 - 3:00 PM	TBD
Maria Molina	Friday, 12:30 - 1:30 PM	TBD
Paula Ramos Perez	Thursday, 2:30 - 3:30 PM	https://purdue-edu.zoom.us/j/93696295723
Shruti Sharma	Tuesday, 10:30 am - 11:30 AM	https://purdue-edu.zoom.us/j/9668756804

Questions can also be asked via the class Ed Discussion, which is monitored by TAs and lecturers throughout the week. Please note that all times are in Eastern Time (EST).

Feel free to reach out to any instructor to schedule a remote one-on-one help session, or to ask a question more privately.

PSO/Lecture Sections

Please make sure you know when your class is and when/where YOUR PSO is. For grade corrections and questions about your grades, you will need to attend YOUR registered PSO section and/or contact your [PSO TAs](#).

****Note: PSO attendance is not required.** However, if you would prefer to attend your PSO, PSO TAs will open a Zoom meeting room during their PSO sections or will be at their designated classrooms. These links/times will be marked on the [PSO TAs Section](#).

Lectures

West Lafayette

Lecture Section	Date/Time	Location
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LE1	Tuesday, 5:30 pm - 6:20 pm	PHYS 114
LE2	Monday, 5:30 pm - 6:20 pm	PHYS 112
LE3	Tuesday, 6:30 pm - 7:20 pm	PHYS 114
LE4	Monday, 6:30 pm - 7:20 pm	PHYS 112

Indianapolis

Lecture Section	Date/Time	Location
PIN	Tuesday, 11:00 - 11:50 am	LE 101

PSO (All Virtual)

Day and Time	Section
Tuesday, 9:30a-10:20a	P10
Tuesday, 10:30a-11:20a	P14
Tuesday, 11:30a-12:20p	P07
Tuesday, 12:30p-1:20p	005
Tuesday, 1:30p-2:20p	P16
Tuesday, 2:30p-3:20p	004
Tuesday, 4:30p-5:20p	P13
Wednesday, 9:30a-10:20a	P01
Wednesday, 11:30a-12:20p	P18
Wednesday, 12:30p-1:20p	006
Wednesday, 1:30p-2:20p	P12
Wednesday, 2:30p-3:20p	P20
Wednesday, 3:30p-4:20p	P06
Wednesday, 4:30p-5:20p	P04
Thursday, 9:30a-10:20a	002

Thursday, 10:30a-11:20a	P11
Thursday, 11:30a-12:20p	P02
Thursday, 12:30p-1:20p	P19
Thursday, 1:30p-2:20p	P03
Thursday, 2:30p-3:20p	P09
Thursday, 3:30p-4:20p	003
Friday, 9:30a-10:20a	P08
Friday, 10:30a-11:20a	P15
Friday, 11:30a-12:20p	P17
Friday, 12:30p-1:20p	P05

Exams

There are no exams/midterms in this class!

Textbook

There is no textbook for this class!

Ed Discussion

We will use Ed Discussion for announcements and Q&A. Make sure to register for it so you don't miss out on important information!

Register using the following link: <https://edstem.org/us/join/AvfHUM>

Brightspace

We will use Brightspace to post course materials (like this syllabus).

Academic Guidance in the Event a Student is Quarantined/Isolated

Please inform one of the [Course Leads](#) right away if you have an illness that prevents you from attending class due to physical restraint or the Protect Purdue Guidelines. If you find yourself too sick to progress in the course, notify your [academic case manager](#) and notify the [Course Leads](#) via email. We will make arrangements based on your particular situation. The Office of the Dean of Students (odos@purdue.edu) is also available to support you should this situation occur.

If you become quarantined or isolated at any point in time during the semester, in addition to support from the Protect Purdue Health Center, you will also have access to an Academic Case Manager who can provide you academic support during this time. Your Academic Case Manager can be reached at acmq@purdue.edu and will provide you with general guidelines/resources around communicating with your instructors, be available for academic support, and offer suggestions for how to be successful when learning remotely.

Classroom Guidance Regarding Protect Purdue

The [Protect Purdue Plan](#), which includes the [Protect Purdue Pledge](#), is campus policy and as such all members of the Purdue community must comply with the required health and safety guidelines. Required behaviors in this class include: staying home and contacting the Protect Purdue Health Center (496-INFO) if you feel ill or know you have been exposed to the virus, wearing a mask [in classrooms and campus building](#), at all times (e.g., no eating/drinking in the classroom), disinfecting desk/workspace prior to and after use, maintaining proper social distancing with peers and instructors (including when entering/exiting classrooms), refraining from moving furniture, avoiding shared use of personal items, maintaining robust hygiene (e.g., handwashing, disposal of tissues) prior to, during and after class, and following all safety directions from the instructor.

Students who are not engaging in these behaviors (e.g., wearing a mask) despite offered opportunities to comply will be asked to leave class. Students who do not comply with the required health behaviors are violating the University Code of Conduct and will be reported to the Dean of Students Office with sanctions ranging from educational requirements to dismissal from the university. Any student who has substantial reason to believe that another person in a campus room (e.g., classroom) is threatening the safety of others by not complying (e.g., not wearing a mask) may leave the room without consequence. The student is encouraged to report the behavior to and discuss next steps with their instructor. Students also have the option of reporting the behavior to the [Office of the Student Rights and Responsibilities](#). See also [Purdue University Bill of Student Rights](#).

Other Policies

Academic Integrity Policy

Purdue University values intellectual integrity and the highest standards of academic conduct. To know and understand what academic integrity is, what is expected from you, and what you should NOT do, read carefully this document: [Academic Integrity](#).

VERY IMPORTANT

Allowing any other person, in the class or otherwise, to use your computer account, or setting permissions on files and directories in your account so that someone can easily copy programs and documents, **is the same as giving them the information directly**, and is a violation of the Academic Integrity policy.

CS19300 Academic Integrity Policy

All CS19300 coursework must be done individually (unless specified otherwise).

We encourage discussion of any CS19300 topic, however **under no circumstances** is the exchange of assigned course materials via written or electronic means permitted between CS19300 students. Assigned course materials include, but are not limited to homework solutions, code, and LaTeX files. It is considered dishonest either to read someone else's solution or to provide a classmate with a copy of your work. Do not make the mistake of thinking that superficial changes in a program (such as altering comments, changing variable names, or interchanging statements) can be used to avoid detection. If you cannot do the work yourself, it is extremely unlikely that you can succeed in disguising someone else's work. We are adamant that cheating in any form is not tolerated. Even the most trivial assignment is better not done than if you cheat to complete it.

Penalties

In CS19300, the first instance of academic dishonesty results in a zero for that assignment. A second instance of academic dishonesty results in a grade of F for the class.

In accordance with the Purdue University Department of Computer Science Academic Integrity Policy, all instances of academic dishonesty on an assignment will be reported to the Dean of Students Office.

Mental Health Statement/ CAPS Information

If you find yourself beginning to feel some stress, anxiety and/or feeling slightly overwhelmed, try [WellTrack](#). Sign in and find information and tools at your fingertips, available to you at any time.

If you need support and information about options and resources, please see the [Office of the Dean of Students](#) for drop-in hours (M-F, 8 am- 5 pm).

If you're struggling and need mental health services: Purdue University is committed to advancing the mental health and well-being of its students. If you or someone you know is feeling overwhelmed, depressed, and/or in need of mental health support, services are

available. For help, such individuals should contact [Counseling and Psychological Services \(CAPS\)](#) at 765-494-6995 during and after hours, on weekends and holidays, or by going to the CAPS office of the second floor of the Purdue University Student Health Center (PUSH) during business hours.

Nondiscrimination Statement

Purdue University is committed to maintaining a community which recognizes and values the inherent worth and dignity of every person; fosters tolerance, sensitivity, understanding, and mutual respect among its members; and encourages each individual to strive to reach his or her own potential. In pursuit of its goal of academic excellence, the University seeks to develop and nurture diversity. The University believes that diversity among its many members strengthens the institution, stimulates creativity, promotes the exchange of ideas, and enriches campus life. [Link to Purdue's nondiscrimination policy statement](#)

The Disability Resource Center (DRC)

DRC is a resource for students and instructors. Students may present a "Letter of Accommodation" to you at any point in the semester. Should you have questions about accommodations, please contact the DRC at: 494-1247 or drc@purdue.edu. In many cases the DRC can partner with you to develop inclusive teaching strategies that benefit all students in your class.

Accessibility and Accommodations Syllabus Statement: Purdue University strives to make learning experiences as accessible as possible. If you anticipate or experience physical or academic barriers based on disability, you are welcome to let me know so that we can discuss options. You are also encouraged to contact the Disability Resource Center at: drc@purdue.edu or by phone: 765-494-1247.

Emergency Preparedness

In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor's control. Relevant changes to this course will be posted onto the course website or can be obtained by contacting the instructors or TAs via email. You are expected to read your @purdue.edu email on a frequent basis.

To report an emergency, **call 911**. To obtain updates regarding an ongoing emergency, sign up for Purdue Alert text messages, view www.purdue.edu/ea.

Guidelines regarding ensuring access to emergency information:

Keep your cell phone on to receive a Purdue ALERT text message.

Log into a Purdue computer connected to the network to receive any Desktop Popup Alerts.

There are nearly 300 **Emergency Telephones** outdoors across campus and in parking garages that connect directly to the PUPD. If you feel threatened or need help, push the button and you will be connected immediately.

If we hear a **fire alarm** during class we will immediately suspend class, evacuate the building, and proceed outdoors. **Do not use the elevator.**

If we are notified during class of a **Shelter in Place requirement for a tornado warning**, we will suspend class and shelter in [the basement].

If we are notified during class of a **Shelter in Place requirement for a hazardous materials release, or a civil disturbance**, including a shooting or other use of weapons, we will suspend class and shelter in the classroom, shutting the door and turning off the lights.

Changes for Emergencies

In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor's control. If an emergency occurs, you can consult the Purdue web page (<http://www.purdue.edu>).

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http://www.purdue.edu/ehps/emergency_preparedness/index.html

Diversity and Inclusion Statement

In our discussions, structured and unstructured, we will explore a variety of challenging issues, which can help us enhance our understanding of different experiences and perspectives. This can be challenging, but in overcoming these challenges we find the greatest rewards. While we will design guidelines as a group, everyone should remember the following points:

- We are all in the process of learning about others and their experiences. Please speak with me, anonymously if needed, if something has made you uncomfortable.
- Intention and impact are not always aligned, and we should respect the impact something may have on someone even if it was not the speaker's intention.
- We all come to the class with a variety of experiences and a range of expertise, we should respect these in others while critically examining them in ourselves.