FALL 2025 - CSE1300 – Intro to Computing Principles

Schedule subject to change.

Week	Dates	Topics	Assessments & Notes
1	**Aug 18, 20, 22**	- Course Overview, Syllabus, Rules - How we use computers daily - Survey of Computing Fields & Problem-Solving Focus	
2	**Aug 25, 27, 29**	- Problem Solving / Computational Thinking - Hardware (Components, specs, peripherals, form factors)	
3	**Sep 01, 03, 05**	- **No Class:** Mon Sep 1 (Holiday) - Logic Gates & Binary (decimal→binary/hex, gates, simple adders) - Operating Systems	**Assignment 1** **Due:** Sun Sep 7 @ 11:59 pm
4	**Sep 08, 10, 12**	- Internet / Networking (IP addresses, routing, ISPs, protocols) - Cloud Computing (hosting, scaling, redundancy, microservices)	**Quiz #1** **Due**: Sun Sep 14 @ 11:59pm
5	**Sep 15, 17, 19**	- Security (basics of encryption, symmetric vs. asymmetric, network/system security, social engineering)	
6	**Sep 22, 24, 26**	- Organizing & Analyzing Data (file formats, spreadsheets, data visualization) - Intro to AI (ML, Large Language Models, pros/cons)	**Assignment 2** **Due:** Sun Sep 28 @11:59pm
7	**Sep 29** **Oct 01, 03**	- Ethics (ethical hacking, computing & society, privacy, HIPAA/PCI/GDPR)	**Quiz #2** **Due**: Sun Oct 05 @11:59pm
8	**Oct 06, 08, 10**	- **Review** (Weeks 1–7) - **Midterm Exam**	**Midterm (Test #1)** **Exam:** Fri Oct 10 @ 10 am
9	**Oct 13, 15, 17**	- Database Systems (relational vs. non-relational, brief intro to SQL)	**Assignment 3** **Due:** Sun Oct 19 @ 11:59pm
10	**Oct 20, 22, 24**	- Websites (basic HTML/CSS/JS, hosting, UI design)	**Quiz #3** **Due**: Sun Oct 26 @ 11:59pm
11	**Oct 27, 29, 31**	- Software Engineering (version control, Agile, testing) - Intro to 3D Modeling/Printing	
12	**Nov 03, 05, 07**	- Intro to Python (I/O, variables)	
13	**Nov 10, 12, 14**	- Python (cont.) (loops, conditionals, using built-in libraries)	**Quiz #4** **Due:** Sun Nov 16 @11:59pm
14	**Nov 17, 19, 21**	- Controlling Hardware (Raspberry Pi basics, robotics/drone movements)	**Assignment 4** **Due:** Sun Nov 23 @11:59pm
	Nov 24 - 28	**Fall Break**	
15	**Dec 01, 03, 05**	- **Review**	**Quiz #5** **Due**: Sun Dec 07 @ 11:59pm
–	**Dec 08**	- **Official last day of class**	**Last day for tutoring credit**
Finals	**Dec 15 (Mon) 10:30 AM to 12:30 PM**	- **Final Exam (Test #2)**	Due: Mon Dec 15 @ 12:30pm

- **Holidays / Breaks:** Sep 01 & Nov 24 - 28
- **Last Day to Withdraw (W):** Fri Oct 31 @ 11:45 pm