

CSE1300 – Intro to Computing Principles

Spring 2025: M/W/F

Schedule subject to change

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

Key University Dates (Spring 2025)

- **Holiday:** Mon Jan 20 (no classes) / **Spring Break:** Mar 10–16
- **Last Day to Withdraw (W):** Fri Mar 28 @ 11:45 pm