CSIS 6920: Theory and Practice of Information Systems

CRN: 43181: in-person (3 Credit Hours)
Fall Semester 2025; August 25 – December 13
Modality: In-Person, Meeting Times: Tu, Th: 05:10 PM – 06:25 PM, Location: Williamson Hall | Room 2212

CRN: 44317 0nline (3 Credit Hours)
Fall Semester 2025; August 25 – December 13
Modality: In-Person, Meeting Times: Tu, Th: 05:10 PM – 06:25 PM, online:
Hailong Jiang is inviting you to a scheduled Zoom meeting.

Topic: CSIS6920 25 Fall Online Class
Time: Aug 26, 2025 05:10 PM Eastern Time (US and Canada)
Every week on Tue, Thu, until Dec 11, 2025, 32 occurrence(s)
Please download and import the following iCalendar (.ics) files to your calendar system.
Weekly: https://us06web.zoom.us/meeting/tZIude-tqzMqGtaJNN9UZ_nV6rvnNDHzBb_i/ics?icsToken=DAAHME4HnMk8LaqofgAALAAAAL-AN-PXEI3H-7Qi_KmIvQ2Jr4vbjfThUdK3GoB734wqBG5mEl2S5rVA61t8Ys-ksbj8ExtRK2eGnPLTATAwMDAwMQ&meetingMasterEventId=DQncPuR3S3OKt_jQmGXlrA
Join Zoom Meeting
https://us06web.zoom.us/j/86326558002?pwd=eLKtMsbZZiUw5ZJo5TZiGN4ehS46RO.1

Meeting ID: 863 2655 8002
Passcode: 290895

One tap mobile
+13017158592,,86326558002#,,,,*290895# US (Washington DC)
+13052241968,,86326558002#,,,,*290895# US

Join instructions
https://us06web.zoom.us/meetings/86326558002/invitations?signature=A67fY87p3YXhiTKoYk_xWOgWRZP-e3wgpdqNvnP9fNo

Contact Information

Professor: Hailong Jiang
Office: Office 320 in Meshel Hall
Phone: n/a
Email: hjiang@ysu.edu
Office Hours: 12:00 – 14:00 Friday, or by appointment.

Catalog Description

Explores the fundamental theories, practices, and emerging trends in Information Systems (IS). Topics include information systems strategy, enterprise systems, databases, business intelligence, collaboration, knowledge management, ethics, security, systems development, and IS project management. Students will analyze real-world cases, apply IS tools, and evaluate the organizational, strategic, and global impacts of information systems.

Course Materials

- Textbook: Patricia Wallace, *Introduction to Information Systems*, 5th Edition, Pearson, 2023.
- See Computer lab locations on campus.

Course Learning Outcomes/Objectives

1. **Analyze** the role of information systems in organizations, strategy, and global contexts.
2. **Apply** IS concepts, methods, and tools (databases, analytics, collaboration platforms) to solve business problems.
3. **Evaluate** ethical, legal, and security issues in IS.
4. **Develop** solutions and strategies for managing IS projects and enterprise applications.
5. **Communicate** IS insights effectively through written reports and oral presentations.

Attendance Expectations

Attendance is required; with few exceptions, those who do best in courses are those who attend regularly. You are allowed three unexcused absences; additional unexcused absences will result in a **5% deduction from your overall grade**. Late arrivals and early departures (10 minutes or more) count as an unexcused absence.

See YSU Attendance Policy which addresses excused absences for participation in university-sponsored events, government-related activities, religious observances, death of a family member, and documented personal illness.

Assignments/Assessments

You will be given 12 quizzes, 2 midterm, and a final exam/project. These assignments are due by the end of the day (midnight) on the due date as indicated in the assignment.

Late Work

An assignment is late if it is not submitted by the end of the day (2400h) on the due date as indicated on the assignment. You must allocate enough time to complete the assignment on time. For each calendar day late, **10% of the assignment's possible score will be deducted**.

In case of illness or abnormal circumstances, please consult with the instructor in advance if possible to make alternate arrangements. You must formally inform the instructor in writing and present proper supporting documents.

Grading and Grading Scale

Letter grades will be based on the weighted average score according to the following scale:

- Quizzes: 40%
- Midterm exam (2): 30%
- Final Project/Report: 30%

Grades are normally assigned using the traditional 90% – 80% – 70% – 60% cutoffs as included below. I reserve the right to lower these thresholds, but not to raise them.

Weighted Average	Letter Grade
90%-100%	A
80%-89%	B
70%-79%	C
60%-69%	D
< 59%	F

Please see the YSU Grading System, which includes information about grading options, withdrawals, and repetition of courses.

University Policies

You are welcome to copy and paste required university policies into your syllabus. However, you may consider using the language below and linking to policies. Linking will allow you to not have to update your syllabus should policies change. **Note: Only link to policies if you are sharing your syllabus in an online format.**

University policies can be found online and provide you guidance on your rights as a student in this course. The links below take you directly to a specific policy. Should you have any questions about a policy, please do not hesitate to contact me using the information at the top of the syllabus.

- Statement of Non-Discrimination from the University
- Academic Integrity/Honesty
- Student Accessibility
- Incomplete Grade Policy
- YSU Attendance Policy

Generative AI Usage Policy

Generative AI tools (e.g., ChatGPT, GitHub Copilot, Google Gemini) may be used in this course **only under the following conditions**:

1. **Transparency** – If you use a generative AI tool to assist with code, writing, or problem-solving, you must clearly indicate which tool you used, what prompts you provided, and how you used the generated output in your submission.
2. **Academic Integrity** – You remain fully responsible for the correctness, originality, and academic integrity of all work submitted. Copying AI-generated content without understanding or attribution will be treated as plagiarism.
3. **Learning Priority** – Generative AI should supplement, not replace, your own understanding. Over-reliance on AI tools may negatively impact your performance on exams and practical assessments.
4. **Prohibited Uses** – Generative AI may not be used during exams or for any assignments explicitly designated as "AI-free" by the instructor.

Tentative Course Schedule

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.

Week	Dates	Topic	Textbook Readings	Assignments / Notes
Week 1	Aug 25 – Aug 31	Introduction: Information Systems and People	Chapter 1	Quiz 1
Week 2	Sep 1 – Sep 7	Information Systems and Strategy	Chapter 2	Quiz 2
Week 3	Sep 8 – Sep 14	ICT: Enterprise Architecture (Cloud, 5G, etc.)	Chapter 3	Quiz 3
Week 4	Sep 15 – Sep 21	Databases and Data Warehouses (SQL, Blockchain)	Chapter 4	Quiz 4
Week 5	Sep 22 – Sep 28	Enterprise Systems (ERP, CRM, SCM)	Chapter 5	Quiz 5
Week 6	Sep 29 – Oct 5	Digital Presence: Web, Social Media, Mobile Apps	Chapter 6	Quiz 6
Week 7	Oct 6 – Oct 12	Business Intelligence & Analytics (AI, ChatGPT)	Chapter 7	Quiz 7
Week 8	Oct 13 – Oct 19	Midterm Exam #1 (Ch. 1–7)		Exam 1
Week 9	Oct 20 – Oct 26	Collaboration Technologies & Metaverse	Chapter 8	Quiz 8
Week 10	Oct 27 – Nov 2	Knowledge Management & E-Learning	Chapter 9	Quiz 9

Week 11	Nov 3 – Nov 9	Ethics, Privacy, and Security	Chapter 10	Quiz 10, Project 3
Week 12	Nov 10 – Nov 16	Systems Development & Procurement (Agile, Waterfall)	Chapter 11	Quiz 11
Week 13	Nov 17 – Nov 23	IS Project Management & Strategic Planning	Chapter 12	Quiz 12, Project 4
Week 14	Nov 24 – Nov 30	Student Group Presentations (Final Project Work)		Work on Final Project
Week 15	Dec 1 – Dec 7	Midterm Exam #2 (Ch. 8–12)		Exam 2
Week 16	Dec 8 – Dec 14	Final Project Due		Final Project Due