

Dean's Syllabus Review Checklist



Submit a separate checklist for each syllabus

Date received by Dean's office: _____
(This line to be completed by office staff)

Course: CIS 1302-33 **Semester:** FA25

Syllabus Content Requirement	Complete?
I. Course Information: ☐ Semester and year ☐ Course title, number, & section ☐ Meeting days, times, & location(s) ☐ Instructor name(s) ☐ Telephone numbers	☐ Yes ☐ No
II. Office location & Office hours [min of 12h F2F over 4 days]	☐ Yes ☐ No
III. Textbooks, readings and/or bibliography	☐ Yes ☐ No
IV. General Objectives or Expected learner Outcomes • Is this a General Education Course? ☐ Yes ☐ No • If yes, which category does it meet? (choose one option) ☐ Foundational Courses ☐ Pillar One: Communication and Interpersonal Skills ☐ Pillar Two: Technology and Problem Solving ☐ Pillar Three: Ethical Leadership ☐ Pillar Four: Democratic Citizenship and Wellness in a Diverse Society	☐ Yes ☐ No
V. Instructional Methods	☐ Yes ☐ No
VI. Course Description/Course Content ☐ Inclusive of catalog description and pre-requisite ☐ Chronological outline inclusive of topics covered and course requirements (exams, quizzes, projects, papers, assignments, with indication of the course grading value for each)	☐ Yes ☐ No
VII. Evaluation and Grading ☐ Includes specific grading system (number and type of evaluations; how final grade is determined)	☐ Yes ☐ No
VIII. Absence Policy ☐ Similar to or refers to one in catalog (is not stricter than catalog policy)	☐ Yes ☐ No
IX. Texas Wesleyan Policies ☐ University policies statement with link ☐ Syllabus subject to change statement ☐ Lab/chemical use statement (if applicable) ☐ AI statement	☐ Yes ☐ No

Recommendations by Dean's Office

- ☐ Accept as is
☐ Reject
☐ Rationale: _____

Course Syllabus

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Texas Wesleyan University

Foundations for Non-Computer Sci Majors: AI for Everyone

CIS 1302 | Fall 2025| 3 credits

Online

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Welcome

This introductory course provides a comprehensive overview of artificial intelligence (AI) designed specifically for students outside the computer science field. Participants will explore the fundamental concepts, applications, and implications of AI in various domains. Topics include the basics of machine learning, natural language processing, robotics, and ethical considerations surrounding AI technologies. Through learning resources and assessments, students will gain a solid understanding of how AI is shaping industries and everyday life. This course aims to equip students with the knowledge to engage in informed discussions about AI and its impact on society, through the lens of their major or background.

Instructor: Gwen Williams



903-340-6452

gdwilliams@txwes.edu

Office: AMB, Room 202 - Tuesday 8:00-2:00

I hold a Bachelor of Science in Computer Science and Mathematics and a Master of Science in Learning Technology/Information Systems in Educational Computing from Texas A&M — -Commerce. I have been in the CETL for 6 years and an adjunct professor for the past 3 years. I spent 30 years in the public school system as a Computer Science teacher, Math teacher, Technology Coordinator, Network Administrator, and Instructional Technologies. I have also written a curriculum for instructional technology and have provided training across the country in Technology Integration.

My husband and I like to travel and visit our grandchildren. I look forward to working with you this semester.

Overview

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Catalog Description

This foundational course introduces students to the societal impacts and broad applications of AI in various domains. It provides a non-technical overview of AI's integration into daily life, business, and other sectors.

Learning Outcomes and Program Goals

Course Learning Objectives	Degree Program or GEC Competency Goals
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Objective 1: Analyze the Applications and Implications of AI	Outcome 1: Students have knowledge and skills for a career in CS.
Objective 2: Describe Key AI Concepts	Outcome 1: Students have knowledge and skills for a career in CS.
Objective 3: Design with AI Components	Outcome 3: Majors can develop new software applications on platforms.
Objective 4: Design AI Models	Outcome 3: Majors can develop new software applications on platforms.
Objective 5: Examine AI Tools and Ethical Implications	Outcome 1: Students have knowledge and skills for a career in CS.
Objective 6: Plan for AI's Impact on Careers	Outcome 1: Students have knowledge and skills for a career in CS.



Materials

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Required Materials

[Material Type (Textbook, Workbook, Online Resource, etc.)]

Patel, D. Artificial Intelligence & Generative AI for Beginners.

ISBN: 9798850705527

Software/Apps/Equipment

Computer and Internet access

Requirements

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Student Workload Expectation

This course is a 3-credit hour course, which means students are expected to do at least 450 minutes of course-related work each week during the semester. This independent learning includes completing assigned discussions, assignments and other tasks that must be completed to earn credit in the course.

Assignment Submission

- Submit all of your assignments via Canvas.
- Directions for submissions will be included in Canvas.



Assignment Feedback

- I will provide feedback on assessments within 7 days after submission.
- Your grades will be posted in the Canvas Grade Center.

Evaluation & Grading

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You will be graded according to the following system:

Assignment Category	Number of Graded Items	Percentage
Discussions	7	25%
Assignments	19	55%

Knowledge Checks	10	20%
	Total Percentage	100%

Your final grade will be determined by the following scale:

Final Grade	Final Points/Average
A	≥ 90
B	80-89
C	70-79
D	60-69
F	< 60



Instructor Policies

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Class Attendance

Students enrolled in distance education courses must demonstrate **academic engagement** throughout the course to be counted as present.

Academic engagement means actively engaging with course content. Examples of academic engagement include interacting with the instructor, participating in an online discussion, completing interactive tutorials or web-based assignments, and completing assignments or exams.

- Academic engagement **does not include** the act of logging into Canvas, nor does it include participating in academic counseling or advising.

Students must demonstrate academic engagement a minimum of once each week in order to be marked present for that week. During the first week of class, all students will be required to complete the discussion to

get acquainted.

University Authorized Absences

University regulations authorize certain absences of students when representing the University (e.g., participation in intercollegiate athletic competitions, student government, student development, or fine arts events).

- Absences that may be necessary to fulfill course requirements and are approved by the Provost are also considered to be authorized.
- Students are required to notify instructors prior to any missed class and will be held responsible for all class and laboratory assignments.

Academic Integrity

- Cheating, plagiarism (submitting another person's material as one's own), or completing assignments for another person who will receive academic credit are not permitted. This includes the use of unauthorized books, notebooks, or other sources in order to secure or give help during an examination, the unauthorized copying of examinations, assignments, reports, or term papers, or the presentation of unacknowledged material as if it were the student's own work. Disciplinary action may be taken beyond the academic discipline administered by the course instructor. [Read the University's Academic Integrity Policy.](https://catalog.txwes.edu/content.php?catoid=3&navoid=331#academic-integrity) 
(<https://catalog.txwes.edu/content.php?catoid=3&navoid=331#academic-integrity>)

Academic Integrity Statement for AI Use

In this course, the ethical and responsible use of Artificial Intelligence (AI) technologies is paramount. All students are expected to adhere to the following principles to maintain academic integrity:

1. **Originality of Work:** Any work submitted must be your own. While you may use AI tools for assistance, the final output must reflect your effort and understanding. Directly submitting AI-generated content without modification or personal input violates academic integrity.
2. **Proper Attribution:** If you use AI tools or datasets in your assignments, clearly acknowledge their use and cite them appropriately. Failure to provide appropriate attribution for AI-generated content or data sources is considered academic misconduct.
3. **Ethical Use of AI:** AI tools should be used ethically and responsibly. Avoid using AI to complete tasks that are meant to assess your skills or knowledge. Ensure that your use of AI adheres to the guidelines for each assignment or project.
4. **Consultation and Clarification:** If you are unsure how to use AI tools appropriately or need clarification on their role in assignments, seek guidance from the instructor. Maintaining transparency about your use of AI helps uphold academic standards.

Late Assignment Policy

- Late assignments will be accepted only one day (24 hours) after the due date and will receive an automatic letter grade deduction. For example, if a paper is due on Monday @ 9 AM and it is not received by the instructor when designated, then it is considered late. The student has until Tuesday @ 9 AM the following day to turn in the assignment (for a grade deduction); thereafter, no late assignment will be accepted, and a grade of F will be assigned. Active participation is expected for each class meeting.
- Assignments will be graded and posted within 7 calendar days of the due date. Students have 48 hours to protest a posted grade.

Communication with the Instructor

Send questions via email using either your University email account or the email system in Canvas. I will respond to emails within 24 hours.

Schedule

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Tentative Schedule

Unit: Module	Learning Activities
Getting Started	<i>Read: Course Welcome, Course Schedule, Course Syllabus</i> <i>Watch: Instruction introduction</i>

Module 1: Understanding AI	Read: - Patel, D. Artificial Intelligence & Generative AI for Beginners. - Chapter 1: Understanding AI - Stanford HAI Privacy in an AI Era: How Do We Protect Our Personal Information?  (https://hai.stanford.edu/news/privacy-ai-era-how-do-we-protect-our-personal-information) Watch: "Godfather of AI" Geoffrey Hinton: The 60 Minutes Interview
Module 2: Algorithms	Read - The News Literacy Project. (2024, August 26). Introduction to Algorithms  (https://checkology.org/demo/lesson/c72e54c3c41e496990453ad84ebb3a0199f28caa/208/elementary) - Chapters 1 and 2
Module 3: Major Components of AI	Read - Patel, D. Artificial Intelligence & Generative AI for Beginners. - Chapter 2: Major Components of AI - Boesch, G, The 100 Most Popular Computer Vision Applications in 2024  (https://viso.ai/applications/computer-vision-applications/) - Guinness, H., The Top AI Art Generators in 2024  (https://zapier.com/blog/ai-art-generators/) - Activity (M2): Hue Jumper Game
Module 4: The Role of Data in AI	Read - Patel, D. Artificial Intelligence & Generative AI for Beginners. - Chapter 3: Basic Principles of AI

- The News Literacy Project. (2024, August 26). Introduction to Algorithms
- What is Training Data

Watch

- Code.Org
- [Training Data and Bias](https://www.youtube.com/watch?v=x2mRoFNm22g&t=2s)  (<https://www.youtube.com/watch?v=x2mRoFNm22g&t=2s>)



(<https://www.youtube.com/watch?v=x2mRoFNm22g&t=2s>)

Read

- Patel, D. Artificial Intelligence & Generative AI for Beginners.
- Chapter 4: Machine Learning and Its Types
- Rutgers University. (2022, February 5). [The ethics of algorithms](https://www.rutgers.edu/magazine/winter-2022/ethics-algorithms) 
(<https://www.rutgers.edu/magazine/winter-2022/ethics-algorithms>)

Watch

- Code.Org
- [What is Machine Learning](https://www.youtube.com/watch?v=KHbwOetbmbs&t=31s)  (<https://www.youtube.com/watch?v=KHbwOetbmbs&t=31s>)



(<https://www.youtube.com/watch?v=KHbwOetbmbs&t=31s>)

Module 5:
Machine
Learning

Module 6:
Neural
Networks and
Deep Learning

Read

- Patel, D. Artificial Intelligence & Generative AI for Beginners.
- Chapter 5: Neural Networks and Deep Learning

Watch

- Code.org
- **[How Neural Networks Work](https://www.youtube.com/watch?v=JrXazCEACVo&t=45s)**  [_ \(https://www.youtube.com/watch?v=JrXazCEACVo&t=45s\)](https://www.youtube.com/watch?v=JrXazCEACVo&t=45s)



[_ \(https://www.youtube.com/watch?v=JrXazCEACVo&t=45s\)](https://www.youtube.com/watch?v=JrXazCEACVo&t=45s)

- Simplilearn
- **[What is Deep Learning](https://www.youtube.com/watch?v=6M5VXKLf4D4&t=104s)**  [_ \(https://www.youtube.com/watch?v=6M5VXKLf4D4&t=104s\)](https://www.youtube.com/watch?v=6M5VXKLf4D4&t=104s)



[_ \(https://www.youtube.com/watch?v=6M5VXKLf4D4&t=104s\)](https://www.youtube.com/watch?v=6M5VXKLf4D4&t=104s)

- Code.org
- **[How Chatbots and Large Language Models Work](https://www.youtube.com/watch?v=X-AWdfSFCHQ&t=282s)**  [_ \(https://www.youtube.com/watch?v=X-AWdfSFCHQ&t=282s\)](https://www.youtube.com/watch?v=X-AWdfSFCHQ&t=282s)



[_ \(https://www.youtube.com/watch?v=X-AWdfSFCHQ&t=282s\)](https://www.youtube.com/watch?v=X-AWdfSFCHQ&t=282s)



*Module 7:
Fields of AI*

Read

- Patel, D. Artificial Intelligence & Generative AI for Beginners.
- Chapter 6: Major Fields of AI
- **[Telsa Bot Vs Boston Dynamics: Who Wins?](https://www.youtube.com/watch?v=3LBYmbsowFo)**  [_ \(https://www.youtube.com/watch?v=3LBYmbsowFo\)](https://www.youtube.com/watch?v=3LBYmbsowFo)



[_ \(https://www.youtube.com/watch?v=3LBYmbsowFo\)](https://www.youtube.com/watch?v=3LBYmbsowFo)

*Module 8:
Generative AI
Risks and
Benefits*

Read

- Patel, D. Artificial Intelligence & Generative AI for Beginners.
- Chapter 7: Generative AI – An Overview
- The News Literacy Project. (2024, August 26).
- [Generative AI](https://newslit.org/tips-tools/6-things-to-know-about-ai/) ➞ (https://newslit.org/tips-tools/6-things-to-know-about-ai/)
- [News literacy in the age of AI](https://newslit.org/ai/) ➞ (https://newslit.org/ai/)

*Module 9:
Generative AI
Models*

Read

- Patel, D. Artificial Intelligence & Generative AI for Beginners.
- Chapter 8: Understanding Generative AI Models and their types

*Module 10:
Generative AI
in Career
Development*

Read

- MasterSchool
- AI in the recruitment process
- Zapier
- How to Use AI to Find and Land a Job
- LinkedIn
- [Top 14 AI Tools for Job Seekers in 2024: Essential Technologies You Need to Know](https://www.linkedin.com/pulse/top-ai-tools-job-seekers-2024-essential-technologies-you-kpux) ➞ (https://www.linkedin.com/pulse/top-ai-tools-job-seekers-2024-essential-technologies-you-kpux)
- Indeed
- [What Employers Think of Job Seekers Leveraging Gen AI Tools](https://www.indeed.com/career-advice/news/job-seekers-leveraging-gen-ai-tools) ➞ (https://www.indeed.com/career-advice/news/job-seekers-leveraging-gen-ai-tools)

Watch:

Resume Worded vs Jobscan  (<https://www.youtube.com/watch?v=NQLIM9oixAY>)



(<https://www.youtube.com/watch?v=NQLIM9oixAY>)

Read

- Patel, D. Artificial Intelligence & Generative AI for Beginners.
- Chapter 9: How to Talk to AI to Get What You Want
- Coursera
- **How to Write ChatGPT Prompts: Your 2024 Guide**  (<https://www.coursera.org/articles/how-to-write-chatgpt-prompts>)
- LinkedIn Learning
- **The Prompt Collection**  (https://davebirss.com/documents/the_prompt_guide.pdf)

Module 11
How to Talk to
AI

Watch

- CopyAI
- **Maser the Art of Prompt Writing**  (<https://www.youtube.com/watch?v=cPf251bDKY0>)



(<https://www.youtube.com/watch?v=cPf251bDKY0>)

Module 12:
Evaluate AI
Tools

Read

- Patel, D. Artificial Intelligence & Generative AI for Beginners.
- Chapter 10: Top 12 Generative AI Tools and How to use them

Module 13: Using AI Tools	Read • Patel, D. Artificial Intelligence & Generative AI for Beginners. • Chapter 11: How to Guides for Generative AI
Module 14: How will AI Change Careers	Read • Patel, D. Artificial Intelligence & Generative AI for Beginners. • Chapter 12: How Generative AI will Transform Entire Industries • Talmage-Rostron, Nexford University (2024) • How Will Artificial Intelligence Affect Jobs 2024-2030  (https://www.nexford.edu/insights/will-ai-affect-jobs) • Kanhosoft (2024) • The Future of Work: How AI Will Reshape Jobs and Careers  (https://kanhasoft.com/blog/artificial-intelligence-transforming-careers-and-employment)
Module 15: Ethical Considerations	Read • Patel, D. Artificial Intelligence & Generative AI for Beginners. • Chapter 13: Ethical Considerations and Future Directions • Code.org • Ethics and AI  (https://www.khanacademy.org/computing/code-org/x06130d92:how-ai-works/x06130d92:ethics-and-ai/v/why-ai-matters-with-deb-raji)

The course summary below automatically populates based on Canvas assignment/quiz/discussion due dates.

Course Summary:

Date	Details	Due
Sun Aug 31, 2025	 Assignment (M1): AI in Your Daily Life (https://txwes.instructure.com/courses/10882/assignments/170336)	due by 11:59pm

Date	Details	Due
	 Discussion (M1): AI Benefits and Dangers (https://txwes.instructure.com/courses/10882/assignments/170334)	due by 11:59pm
	 Quiz (M1) - Knowledge Check (https://txwes.instructure.com/courses/10882/assignments/170323)	due by 11:59pm
	 Student Acknowledgement Questions - Requires Respondus LockDown Browser + Webcam (https://txwes.instructure.com/courses/10882/assignments/172115)	due by 11:59pm
Sun Sep 7, 2025	 Assignment (M2) Algorithms Flowchart (https://txwes.instructure.com/courses/10882/assignments/170345)	due by 11:59pm
	 Assignment (M2): Algorithms in Everyday Life (https://txwes.instructure.com/courses/10882/assignments/170346)	due by 11:59pm
	 Introduction To Algorithms (https://txwes.instructure.com/courses/10882/assignments/170371)	due by 11:59pm
Sun Sep 14, 2025	 Assignment (M3): Generative AI and Art (https://txwes.instructure.com/courses/10882/assignments/170347)	due by 11:59pm
	 Assignment (M4): Teachable Machine (https://txwes.instructure.com/courses/10882/assignments/170348)	due by 11:59pm
	 Discussion (M3): Vision Applications (https://txwes.instructure.com/courses/10882/assignments/170333)	due by 11:59pm
Sun Sep 21, 2025	 Quiz (M3) Knowledge Check (https://txwes.instructure.com/courses/10882/assignments/170328)	due by 11:59pm
	 Discussion (M4): Data Training (https://txwes.instructure.com/courses/10882/assignments/170332)	due by 11:59pm
	 Quiz (M4) Knowledge Check (https://txwes.instructure.com/courses/10882/assignments/170322)	due by 11:59pm
Sun Sep 28, 2025	 Assignment (M5): Exploring Ethical Concerns in Machine	due by 11:59pm

Date	Details	Due
Sun Oct 5, 2025	Learning (https://txwes.instructure.com/courses/10882/assignments/170349)	
	 Quiz (M5) Knowledge Check (https://txwes.instructure.com/courses/10882/assignments/170318)	due by 11:59pm
	 Assignment (M6): Build a Simple Neural Network (https://txwes.instructure.com/courses/10882/assignments/170350)	due by 11:59pm
	 Ethical Concerns - Requires Respondus LockDown Browser + Webcam (https://txwes.instructure.com/courses/10882/assignments/172116)	due by 11:59pm
Sun Oct 12, 2025	 Quiz (M6) Knowledge Check (https://txwes.instructure.com/courses/10882/assignments/170321)	due by 11:59pm
	 Assignment (M7): Building Your First Chat Bot (https://txwes.instructure.com/courses/10882/assignments/170351)	due by 11:59pm
	 Assignment (M7): Reflection- Robotics Technology (https://txwes.instructure.com/courses/10882/assignments/170352)	due by 11:59pm
Sun Oct 19, 2025	 Quiz (M7): Knowledge Check (https://txwes.instructure.com/courses/10882/assignments/170326)	due by 11:59pm
	 Assignment (M8): Comparing Generative AI Models (https://txwes.instructure.com/courses/10882/assignments/170353)	due by 11:59pm
	 Discussion (M8): The Two Sides of AI: Benefits, Risks, and Ethical Considerations (https://txwes.instructure.com/courses/10882/assignments/170330)	due by 11:59pm
Sun Oct 26, 2025	 Quiz (M8) Knowledge Check (https://txwes.instructure.com/courses/10882/assignments/170325)	due by 11:59pm
	 Assignment (M9): Multi Modal AI (https://txwes.instructure.com/courses/10882/assignments/170354)	due by 11:59pm
	 Quiz (M9) - Knowledge Check (https://txwes.instructure.com/courses/10882/assignments/170320)	due by 11:59pm

Date	Details	Due
Sun Nov 2, 2025	 Assignment (M10): AI Generated Resume and Cover Letter (https://txwes.instructure.com/courses/10882/assignments/170337)	due by 11:59pm
	 Assignment (M10): AI-Powered Job Search Simulation (https://txwes.instructure.com/courses/10882/assignments/170338)	due by 11:59pm
Sun Nov 9, 2025	 Assignment (M11): AI Roleplay - Simulating a Conversation (https://txwes.instructure.com/courses/10882/assignments/170339)	due by 11:59pm
	 Discussion (M11): Understanding Tokens and Their Role in AI Prompt Processing (https://txwes.instructure.com/courses/10882/assignments/170329)	due by 11:59pm
	 Quiz (M11) Knowledge Check (https://txwes.instructure.com/courses/10882/assignments/170324)	due by 11:59pm
Sun Nov 16, 2025	 Assignment (M12) Tool Exploration and Reflection (https://txwes.instructure.com/courses/10882/assignments/170340)	due by 11:59pm
	 Discussion (M12): Ethical implications of using generative AI tools (https://txwes.instructure.com/courses/10882/assignments/170331)	due by 11:59pm
Sun Nov 23, 2025	 Assignment (M13) Capabilities of Generative AI (https://txwes.instructure.com/courses/10882/assignments/170341)	due by 11:59pm
	 Assignment (M13) Tool Tutorials (https://txwes.instructure.com/courses/10882/assignments/170342)	due by 11:59pm
Sun Dec 7, 2025	 Quiz (M14): Knowledge Check - Requires Respondus LockDown Browser + Webcam (https://txwes.instructure.com/courses/10882/assignments/170327)	due by 11:59pm
Sun Dec 14, 2025	 Assignment (M15) AI Ethics Scenario Analysis (https://txwes.instructure.com/courses/10882/assignments/170344)	due by 11:59pm
	 Quiz (M15): Ethical Considerations - Requires	due by 11:59pm

Date	Details	Due
	<u>Respondus LockDown Browser + Webcam</u> (https://txwes.instructure.com/courses/10882/assignments/172166)	
	 <u>Alternate assignment - do not assign Assignment (M11): Mastering the Art of Writing Effective Prompts for AI</u> (https://txwes.instructure.com/courses/10882/assignments/170335)	
	 <u>Assignment (M14) Career Presentation</u> (https://txwes.instructure.com/courses/10882/assignments/170343)	
	 <u>Practice Quiz (M14) - Requires Respondus LockDown Browser + Webcam</u> (https://txwes.instructure.com/courses/10882/assignments/170319)	

