

CIS 365 Artificial Intelligence

Fall 2024

Dr. Denton Bobeldyk

Course Description:

Perception and knowledge representation, reasoning, planning and problem solving for agents, and ethical considerations. Students will implement solutions using current tools and languages to AI problems.

Credits: 3

Course Objectives:

After successful completion of the course, students will be able to...

1) Application/Demonstrate:

Demonstrate knowledge of AI concepts.

2) Application/Apply:

Apply AI concepts to software agents, robotics, games, and business-focused applications.

3) Comprehension/Discuss:

Discuss issues surrounding AI and future concerns.

Textbook:

None

This course is subject to the GVSU policies listed at <https://www.gvsu.edu/coursepolicies/>.

Technology requirements:

A personal computing device capable of running a programming IDE (Visual Studio, emacs/g++, etc), SSH client, accessing blackboard/blackboard collaborate, a webcam or video phone access, ability to record audio/video. Other software required as listed throughout the assignments.

Lab time to work on assignments will frequently be provided for during face to face session time. Given the global pandemic, the student and instructor will use blackboard collaborate to answer any questions, this will allow the instructor to assist in troubleshooting the student's assignment while keeping a safe distance.

Point Breakdown:

Weekly Assignments	65%
AI Ethics Presentation	5%
Group Project Prep	10%
Final Group Project	20%

GVSU Calendar of important dates located here:

<https://www.gvsu.edu/registrar/academiccalendar.htm>

Grading scale:

A	94
A-	90
B+	87
B	84
B-	80
C+	77
C	74
C-	70
D+	67
D	60

Additional Note on Plagiarism:

Don't do it. Please source any code you use for your assignment/project. Change variable names where appropriate. Please use camelCase as a naming convention. (i.e., thisIsCamelCaseNamingConvention). All issues of plagiarism will be reported and a 0 will be issued for that assignment/evaluation.

Academic Honesty All students are expected to adhere to the academic honesty standards set forth by Grand Valley State University. In addition, students in this course are expected to adhere to the academic honesty guidelines as set forth by the School of Computing and Information Systems, details can be found at <http://www.cis.gvsu.edu/Academics/Honesty/>.

In Case of Emergency

- Fire: Immediately proceed to the nearest exit during a fire alarm. Do not use elevators.
- More information is available on the University's Emergency website located at gvsu.edu/emergency

Course drop dates: See the course calendar above.

Late Assignments: Assignments will not be accepted late. If there are extenuating circumstances, please contact the instructor prior to the due date. The assignment with the lowest grade will be automatically dropped when calculating the final assignment grade to give the student some flexibility given the current global pandemic.

Special Assistance:

If there is any student in this class who has special needs because of learning, physical or other disability, please contact me and Disability Support Services (DSS) at 616-331-2490.

Social Media:

Connect with me on linked in:

<https://www.linkedin.com/in/denton-bobeldyk-phd-271b4518/>

Follow the Padnos College of Engineering and Computing (PCEC):

Facebook:

<https://www.facebook.com/gvsuPCEC/>

Twitter:

<https://twitter.com/gvsuPCEC>

LinkedIn:

<https://www.linkedin.com/company/51688564/admin/>

Instagram:

<https://www.instagram.com/gvsupcec/>

PCEC YouTube:

https://www.youtube.com/channel/UCOEUEWwY6KEUdRjN5mZewPw/videos?view_as=subscriber