

# ARTIFICIAL INTELLIGENCE I

CS 4793  
2203 MH, Tulsa  
CLB 106B, Stillwater  
4:30-7:10 p.m., Monday  
Fall 2019

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**Primary Text** (require): David L. Poole and Alan K. Mackworth, *Artificial Intelligence: Foundations of Computational Agents*, 2nd Edition, Cambridge University Press, 2017. ISBN-13: 9781107195394. Available online at <https://artint.info/2e/html/ArtInt2e.html>.

**Office Hours:** Monday, 2:30-3:30 p.m., in Stillwater or Tulsa.  
(depending on CS 4793 lecture location).  
Wednesday, 2:30-3:30 p.m., in Stillwater.  
Thursday, 2:30-3:30 p.m., in Tulsa.  
Other times available by appointment.

**TA:** TBA

<b>Grading:</b>	Homework	15%	<b>Grading Scale:</b> for score $x$ in	$90 \leq x$	A
	Programs	15%		$80 \leq x < 90$	B
	Project	20%		$70 \leq x < 80$	C
	Midterm Exam	25%		$60 \leq x < 70$	D
	Final Exam	25%		$x < 60$	F

**Graduate work — tutorial presentation:** graduate students have the addition work of a presenting a tutorial of their project and of the AI subfield containing their project. The presentation will be worth 10% before renormalizing back to a total of 100%.

**Dates:** *Holiday* – class does not meet : September 2  
**Midterm Exam** : **October 21**  
Project due : December 2  
**Final Exam** : **December 9, 6:00-7:50 p.m.**

**Examinations:** During an examination period, no communication of any kind about the exam (except with the instructor or proctor) is allowed.

**Homework Assignments:** Written homework assignments will be due at 4:30 p.m. on Mondays (the start of class). Assignments may be turned in using the dropbox on canvas. Please use a high resolution black and white scan for hand written exercises. Written exercises may also be turned in at class if I'm lecturing from that location. My mailbox in 307 North Hall may also be used in Tulsa, but be warned that it may close at 4:00 p.m. depending on the assistant's schedule.

**Programming Assignments:** The project may be written in any language as long as the TA and the professor are able to build and execute from source code. Examples for class will be in C++ or Python. If in doubt, contact the instructor to verify that the programming environment is acceptable. Assignments may require using a framework such as <https://www.tensorflow.org/> or modifying the textbook's python code. Programs may be turned in using the dropbox on canvas or a git repository. A course git repository at <https://cs.okstate.edu/git/cs4793> will provide an alternative distribution of course source code and materials. If you have not used the departmental server, csx.cs.okstate.edu, in your previous courses, see users names and passwords section of <http://www.cs.okstate.edu/loggingon.html>. Programming assignments may be turned in late, but they lose a percentage of their graded point values according to the following schedule:

On time	:	0%
3 days	:	10%
7 days	:	30%
17 days	:	60%
> 17 days	:	100%

Programming assignments will be due at 11:59 p.m. on Fridays.

**Project:** undergraduates may form groups of at most three students to conduct the semester long project. Graduate students will have individual projects, but may collaborate on infrastructural components (i.e., simulation frameworks, data preprocessing, etc.). Components of the project include a proposal, milestone one report, milestone two report, and final project code and report.

**Lectures:** will be conducted using Skype for Business. The lectures should be recorded and made available for review. If you are travelling and wish to connect to the class lecture, let the instructor know and a URL to the Skype meeting can be provided.

**Collaboration:** for homework and programming assignments, discussion of concepts, ideas, and techniques is allowed. After discussion, each student must write up his/her own solution. Copying another person's work, in part or whole, is not allowed. Giving another student your work, in part or whole, is considered cheating as well. If you are unsure whether your collaboration is acceptable, speak with the instructor in advance. Any violation of academic integrity would result in a non-droppable grade of zero for that assignment and an additional reduction of one letter grade in the course and a report to the university administration. Major violations will result in a grade of F!.

**Disabilities act:** If any student feels that he/she has a disability and needs special accommodations of any nature whatsoever, the instructor will work with you and the Office of Disabled Student Services, 326 Student Union, to provide reasonable accommodations to ensure that you have a fair opportunity to perform in this class. Please advise the instructor of such disability and the desired accommodations at some point before, during, or immediately after the first scheduled class period.

**Syllabus Attachment:** See <http://academicaffairs.okstate.edu/sites/default/files/documents/Fall%202019%20Syllabus%20Attachment.pdf> for Stillwater's syllabus attachment. Both Stillwater and Tulsa's syllabus attachments will also be uploaded to canvas.