CS6800 Handout #1	Advanced Topics in Artificial Intelligence	Spring 2020 1/14/20	
Professor:	David M. Chelberg		
Office:	Stocker 322B		
Phone:	(740) 593-1251		
<b>Office Hours:</b>	Tues., Thr. 9:00am-10:30am and by email appointment		
Electronic Mail:	chelberg@ohio.edu		
Class Homepage:	http://oucsace.cs.ohiou.edu/~chelberg/classes/680/680.html		
Class Number:	2287		
Objectives:	To become adept at using and analyzing artificial intelligence techniques to solve problems. No formal prerequisite, but a good background in algorithms and data structures is expected.		
Prereq:			
Required Text:	"Artificial Intelligence: A Modern Approach (3rd Edition)" by Russell, S. and Norvig, P., Prentice Hall, 2009. ISBN 0136042597.		
Course Outline:	<ul> <li>The course emphasizes the importance of fundament in AI, and the formal mathematical theory underlying techniques. Topics include:</li> <li>Definitions of AI</li> <li>Search</li> <li>Heuristic Search</li> <li>Game Playing</li> <li>Knowledge and Reasoning</li> <li>Theorem Proving Systems</li> <li>Logical Reasoning Systems</li> <li>Planning</li> <li>Advanced Topics</li> </ul>	ıtal concepts ng AI	
Expectations:	Students are expected to spend <u>at least</u> four hours of class per class session, including working exercises and programming homework problems. Artificial in techniques can best be learned by <u>doing</u> ! In this class are expected to write <u>many</u> programs in order to ga proficiency. All programs for this course must be w C++ or Lisp or Prolog and compile and run on prim free to develop your code wherever you wish, but Y ensure it will compile and run under the UNIX open system on prime.	outside of in the book, ntelligence s students in vritten in ne. You are 'OU must rating	
	All code must be written in accordance with the sty that are posted off the course www home page (see for CS3610).	le guidelines guidelines	
Exam schedule:	Midterm Exam March 17, 2020. Pop quizzes may be any given day when no other exams are scheduled.	e given on	
Grading policy:	Your grade will be based on a composite score compactoring to the following approximate breakdown quizzes, 30% for homework assignments, 30% for the	outed : 10% for ne midterm,	

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	and 30% for the final project. For homework assignments, some or all of the problems turned in may be selected for grading. The reason for homework is for you to learn the material.		
Attendance policy:	Students are <i>strongly</i> encouraged to attend all classe attendance is not required. Students miss classes at t risk. There will be no make-up quizzes; students mis on the day of a quiz will be given a zero. For excuse the average of the student's other quizzes will be sul Students are required to attend class during the mid final exam unless prior arrangements have been ma	nd all classes, but s classes at their own students missing class For excused absences s will be substituted. ting the midterm and ve been made.	
Academic dishonesty:	Students are expected to turn in only their <u>own</u> wor proper documentation. Anything else may result in exam, project or program, an F for the course, or eve from the University.	k with an F for the en dismissal	

To obtain a class handout after the lecture in which that handout was distributed, drop by during office hours, or look on-line in the course account on prime.

Any challenge to grading must be submitted in writing within one week of the assignment/test being passed back to the student. Be sure to clearly explain the reason you believe you deserve any extra points.

If, because of some exceptional circumstance, you cannot attend a test, contact Prof. Chelberg before the fact, not after, to discuss your options. Homework is due by the start of class. No late homework will be accepted. Homework is to be an individual exercise, discussing general concepts with other students is encouraged. However, comparing answers, or *working in groups is not allowed*. You may consult books, journals, and notes in order to do your homework, but *you must credit any source* you use. You will not lose credit if you credit the source, but you may if you do not! As a general rule, be clear and rigorous in all of your work. Solutions that are unclear or difficult to read will lose points.

Tests will be closed book, closed note.

Legal:

The lectures, classroom activities, and all materials associated with this class and developed by the instructor are copyrighted in the name of David M. Chelberg on this date January 14, 2020.

Any student who suspects s/he may need an accommodation based on the impact of a disability should contact the class instructor privately to discuss the student's specific needs and provide written documentation from the Office of Student Accessibility Services. If the student is not yet registered as a student with a disability, s/he should contact the Office of Student Accessibility Services.