Artificial Intelligence CS 300 - Spring 2014

Instructor: Email:	George Thomas <u>thomasg@uwosh.edu</u>		Office: Phone:	Halsey 218 424-2069		
Office Hours:	TR W Or by ap	1:00-2:15 11:00-1:30 pointment				
Lectures:	TR	9:40-11:10	Halsey 456			
Prerequisites:	A grade of C or better in CS271					
Textbook:	No required textbook					

Suggested Reference:

A good encyclopedic reference if you do more with AI after this course is *Artificial Intelligence, A Modern Approach* by Stuart Russell & Peter Norvig, 3rd Edition, Prentice Hall.

Course Website: UW0 D2L

Note: If you have special needs, please come and talk to me at the end of the first class.

Course Description:

This is an introductory course in Artificial Intelligence. A tentative list of the topics we will cover, in varying degrees of detail, include: Introductory overview of AI, agents and state spaces; Uninformed and informed search; Constraint satisfaction problems; Adversarial search; Machine learning including neural networks, decision trees and naïve Bayes learning algorithms; Introduction to Natural Language Processing and Information Retrieval.

Attendance and Participation: You are expected to not only attend **every** class meeting but also to come **prepared** for and **participate** actively in it. I **strongly encourage you to ask any question** or raise any issue you have with the course either during or at the end of class, or during my office hours. I will also gladly meet with you by appointment.

Course Grading Policy: Your final grade for this course will be based on three components, namely exams, assignments, and review problems. Your overall numerical grade for the course will be computed as the weighted sum of the component grades using the following weights:

Component	Weight
Exams (3)	50%
Assignments	35%
Review Problems	15%

Tentative Exam Dates are as follows:

- Exam 1 Thursday, 3/06
- Exam 2 Thursday, 4/10
- Exam 3 Thursday, 5/15

Your letter grade for the course will be computed as follows:

Numerical Score	Grade	Numerical Score	Grade
>=92	А	72-78	С
90-92	A-	70-72	С-
88-90	B+	68-70	D+
82-88	В	62-68	D
80-82	В-	60-62	D-
78-80	C+	<60	F

While this overall grading scheme is fixed, I will be happy to discuss any issue you may have with individual grades. If you notice a mistake or have a question regarding a specific grade, please come and talk to me *as soon as possible*. Do not wait until the end of the semester to bring up grading issues.

Assignment/Review Problem Deadlines: Each assignment and review problem will come with a deadline (day and time) by which it must be submitted. Late submissions will NOT be accepted. Extensions on deadlines may be granted at the discretion of the instructor if you provide a valid justification (in the form of a written excuse from a medical doctor or the Dean of Students Office) **before** the due date.

If you miss a scheduled exam (tentative dates are provided), you **may** be able to take a make-up exam provided you give the instructor a valid justification (see above) ahead of time if possible. Only one make-up exam will be given. It will be a comprehensive exam scheduled at the end of the semester. Similarly, there will be no make-up quizzes unless the instructor is provided with a valid justification (see above) for your absence on the day of the quiz.

Collaborating versus Cheating: Unless otherwise stated in the assignment or project, all submissions must be entirely your own work. While it is acceptable to discuss the assignments at a high level (for example, at the design level) with others, you must submit your own work. You may not "borrow" any piece of code or design of any length from someone else, the internet, or any other source, unless you can live with a zero and the other potential academic sanctions of cheating (see <u>UWO Student Discipline Code</u> 2007, Chapter UWS 14).