UT|D	**Course**	CS 6364.001
	Professor	Dr. Richard Min (Ph.D., MBA, MS, MDiv, STM)
	Term	Fall 2015
	Meetings	Monday & Wednesday 2:30pm – 3:45pm

Professor's Contact Information

Office Phone	972-883-4522
Office Location	ECSS 4.609
Email Address	Richard.Min@utdallas.edu
Office Hours	Monday & Wednesday 12:30-2pm, 4-5:30pm, 7:30-9:30pm (or by appointment)

General Course Information

Pre-requisites	CS5343, Algorithm Analysis & Data Structures or equivalent
Course Description	**CS 6364 Artificial Intelligence** (3 semester hours) Design of machines that exhibit intelligence. Particular topics include: representation of knowledge, vision, natural language processing, search, logic and deduction, expert systems, planning, language comprehension, machine learning. Prerequisite: CS 5343. (3-0) Y
Learning Outcomes	After successful completion of this course, the student should be able to: 1. Understand and use problem searching agents (informed and uninformed methods) 2. Understand and use game playing techniques 3. Understand and use agents that reason logically 4. Understand and use building knowledge bases and theorem proving 5. Understand and use uncertainty and probabilistic reasoning
Required Text	*Artificial Intelligence, A Modern Approach* **Third Edition** Stuart Russell and Peter Norvig. Prentice Hall, 2010
Recommended & Supplemental Text, Online Resources	• AIMA - the textbook online resource: http://aima.cs.berkeley.edu/ • LISP. Common Lisp. http://www.clisp.org/ LISP tutorial http://www.apl.jhu.edu/~hall/lisp.html • PROLOG: http://www.swi-prolog.org/ Prolog Tutorials: http://www.swi-prolog.org/ Logic, Programming and Prolog (2ed) by Ulf Nilsson and Jan Maluszynski http://www.ida.liu.se/~ulfni53/lpp/ • Otto tool http://www.cs.unm.edu/~mccune/otter/ Prover9 http://www.cs.unm.edu/~mccune/prover9/ • Weka data mining tool http://www.cs.waikato.ac.nz/ml/weka/ • Answer Set Programming (smodels & lparse, or gringo & clasp) http://www.tcs.hut.fi/Software/smodels/ http://potassco.sourceforge.net/

Important Dates*

08/24 Monday	First Day of Class
09/07 Monday	Labor Day – NO CLASSES

Assignments* (1) 09/23 Wednesday (2) 10/21 Wednesday (3) 11/18 Wednesday (4) 12/07 Wednesday	4Assignments Due – check eLearning for details
10/07 Wednesday * 11/04 Wednesday * 12/02 Wednesday *	Exam 1,2,3 (at TESTING CENTER)
11/23-11/28	NO CLASSES (Fall Break & Thanksgiving Week)
12/09 Wednesday	Last Day of class
12/11 – 12/17	Final Examination Period

* Note: The items and dates here are tentatively assigned and are subject to be changed as needed by the instructor.

Course Policies

Grading Criteria	In-class participation, weekly activity, quizzes (in-class or online, announced or not) 20% 4 Assignments (4 x 5%) 20% 3 Tests (3 x 20%) 60%	A+ = 97 & above A = 93-96 A- = 90-92 B+ = 87-89 B = 83-86 B- = 80-82 C+ = 77-79 C = 73-76 C- = 70-72 D+ = 67-69 D = 63-66 D- = 60-62 F = below 70
Make-up Exams	Not allowed	
Late Work	1% reduction in grade per 1 hours for any late submissions. There is no credit (that is, grade 0) after 3 days late after the due date/time.	
Class Attendance	Required; Attendance will be taken	
Classroom Citizenship	Respect for your classmates is necessary at all times	
All other policies	Please visit http://go.utdallas.edu/syllabus-policies for other policies	

Academic Dishonesty (Plagiarism): The faculty expects from its students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrates a high standard of individual honor in his or her scholastic work. Academic dishonesty can occur in relation to any type of work submitted for academic credit or as a requirement for a class. It can include individual work or a group project. Academic dishonesty includes, plagiarism, cheating, fabrication and collaboration/collusion. In order to avoid academic dishonesty, it is important for students to fully understand the expectations of their professors. This is best accomplished through asking clarifying questions if an individual does not completely understand the requirements of an assignment. Additional information related to academic dishonesty and tips on how to avoid dishonesty may be found here: http://www.utdallas.edu/deanofstudents/maintain/.

A few tips: Do not copy someone's work or submit someone's work as if it is yours. If your submission and someone else's submission is same (any part or all), then both will get 0 (or F) automatically.