

# CSC 380/480: Artificial Intelligence I

**Session:** Winter

Tuesdays 5:45-9:00, 1/8 - 3/19

Class: 14EAS 00214

Office: CDM 837

**Instructor:** Jonathan F. Gemmell

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Office Hours: TBD. Please check website

**Please email ahead of time**

**Course Description:** An in-depth survey of important concepts, problems, and techniques in artificial intelligence, including search, knowledge representation, logical reasoning, and reasoning with uncertainty. A particular focus and a unifying theme of the course will be the concept of intelligent agents. No prior knowledge of AI is required. The course is particularly suitable for graduate and advanced undergraduate students who want to gain the technical background necessary to build intelligent systems, or who want to prepare for more advanced work in AI. The concepts and techniques learned in this course will be directly applicable to many other areas of computer science including software design, distributed systems, databases, and information management and retrieval.

**Prerequisites:** CSC 301, CSC 383, CSC 393 or CSC 403.

**Course Management System:** DePaul University's Desire2Learn system (d2l.depaul.edu).

**News Widget:** The primary form of communication for this class will be the news widget on the D2L. Please make sure you subscribe to the widget and that DePaul has your correct email.

**Forums:** The class forum is the preferred place to ask questions about the class. If you have questions about a quiz question, the exams or lecture notes, please post them there. I read these frequently. All students should subscribe to the forums so that you receive email updates.

**Textbook:** Artificial Intelligence: A Modern Approach, Third edition, by Stuart Russell and Peter Norvig. Prentice-Hall.

<b>Grades:</b>	Quizzes:	10 x 10 points	<b>Final Grades:</b>	A:	90% - 100%
	Assignments:	4 x 100 points		B:	80% - 90%
	Presentation:	100 points		C:	70% - 80%
	Final Exam:	400 points		D:	60% - 70%
				F:	less than 60%

- Pluses and minuses are given for the upper and lower 3% in a letter's range. There is no A+.
- You may not pass the class if you do not receive a passing grade on the final exam.

**Assignments:** There will be 4 assignments during the quarter. Late assignments will be accepted up to three days later than the assigned due date with a 1% penalty per hour. Any submitted documents (homework, reports, etc) must be typed and submitted through COL website. All submissions must be submitted in pdf or docx format.

**Final Exam:** The final exam is a written exam held during week 11. It is closed-book and closed-notes. Calculators are not allowed.

**Proctored Exams:** DL students may take written exams 1) in class, 2) on campus in the DL office or 3) with a proctor. DL students must take the exam in the allotted window. Exams may not be rescheduled except under extreme extenuating circumstances. Registration begins on the D2L by using the "Proctored Exam" tab.

**Presentations:** Each graduate student will present an Artificial Intelligence topic of their choice. During presentations all students will review the presentations.

**380 vs 480:** Undergraduates and graduates will follow the same schedule and have the same assignments. Undergraduates will have fewer requirements. In general, a graduate student is expected to commit 15-20 hours per week. An undergraduate should plan to spend about 10 hours on the class.

**Attendance:** It is expected that you will attend every class; it is the single most important action you can take in mastering the course objectives. You are responsible for all material covered, assignments delivered or received, and announcements made in class sessions that you miss. For online students, this means viewing the classes in a timely manner, participate in the discussion forum and being sure to email or call in any questions that you have.

**For online students:** Recordings of each lecture will be available a few hours after the "live" class, and can be found at the course website. Online students are expected to watch the lectures every week and to keep up with the course information posted on the course website.

**Changes to Syllabus:** This syllabus is subject to change as necessary to better meet the needs of the students. Significant changes are unlikely, and will be thoroughly addressed in class. Minor changes, especially to the weekly agenda, are possible at any time. You will be informed of all such changes.

**Online Teaching Evaluation:** Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation. Students complete the evaluation online in CampusConnect.

**Academic Integrity Policy:** This course will be subject to the academic integrity policy passed by faculty. More information can be found at <http://academicintegrity.depaul.edu/>

**Plagiarism:** The university and school policy on plagiarism can be summarized as follows: Students in this course should be aware of the strong sanctions that can be imposed against someone guilty of plagiarism. If proven, a charge of plagiarism could result in an automatic F in the course and possible expulsion. The strongest of sanctions will be imposed on anyone who submits as his/her own work any assignment which has been prepared by someone else. If you have any questions or doubts about what plagiarism entails or how to properly acknowledge source materials be sure to consult the instructor.

**Incomplete:** An incomplete grade is given only for an exceptional reason such as a death in the family, a serious illness, etc. Any such reason must be documented. Any incomplete request must be made at least two weeks before the final, and approved by the Dean of the College of Computing and Digital Media. Any consequences resulting from a poor grade for the course will not be considered as valid reasons for such a request.

**Resources for Students with Disabilities:** Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential.

To ensure that you receive the most appropriate accommodation based on your needs, contact the instructor as early as possible in the quarter (preferably within the first week of class), and make sure that you have contacted the Center for Students with Disabilities (CSD) at:

Student Center, LPC, Suite #370

Phone number: (773)325.1677

Fax: (773)325.3720

TTY: (773)325.7296