

Course Number	CS 6271	Instructor	Dr. Adel Abunawass
Course Title	Artificial Intelligence I	Credit Hours	3

Current Catalog Description

Application and survey of problem-solving methods in artificial intelligence with emphasis on heuristic programming, production systems, vision, and autonomous agents.

Textbooks

None.

Recommended Textbooks

The course will closely follow the material in:

Winston. [Artificial Intelligence](#), 3e. Addison-Wesley.

A Good [LISP](#) textbook:

Winston and Horn. [LISP](#), 3e. Addison-Wesley.

Grading

Exams (40%)

Projects (40%)

Quizzes, additional assignments, class participation, etc. (20%)

Letter grades are assigned as follows:

A = 90%+; B = 80-89%; C = 70-79%; F = Otherwise.

Prerequisites by Topic

CS 5202 or equivalent.

Learning Objectives

1. Define AI and summarize majors arguments in the field. [Bloom: 2] ([Blooms Taxonomy](#))
2. Describe milestones in the history of the field of artificial intelligence. [Bloom: 2]
3. Discuss the study of the field of artificial intelligence. [Bloom: 2]
4. Use artificial intelligence techniques/applications to solve problems. [Bloom: 3]
5. Use [LISP](#) to implement solutions to problems. [Bloom: 3]
6. Examine ethical and professional implications of intelligent systems. [Bloom: 3]