CS480 ARTIFICIAL INTELLIGENCE: PLANNING AND CONTROL – FALL 2015

SYLLABUS

Course Description

Introduction to computational methods for intelligent control of autonomous agents, and the use of programming paradigms that support development of flexible and reactive systems. These include heuristic search, knowledge representation, constraint satisfaction, probabilistic reasoning, decision-theoretic control, and sensor interpretation. Particular focus will be places on real-world application of the material.

Prerequisites

(CS 331 and MATH 474 (MATH 474 may be taken concurrently)) or (CS 401 and CS 402).

Date and Location

MW – 1:50pm – 3:05pm

Stuart Building 113

Instructor

Mustafa Bilgic

Office hours: Wednesdays 11am – 12pm

Office: Stuart Building 228C

Email address: mbilgic@iit.edu

Website: http://www.cs.iit.edu/~mbilgic/

Teaching Assistant

None at the moment

Textbook

The recommended textbook for this course is Artificial Intelligence: A Modern Approach, 3rd edition, by Stuart Russell and Peter Norvig.

Textbook website: http://aima.cs.berkeley.edu/

Online Tools

For questions and answers, please use Piazza: https://piazza.com/iit/fall2015/cs480/home

Course slides, assignments, and projects will be handled through Blackboard: https://blackboard.iit.edu/

Grading

Assignments (~5):	20%
Project (~4):	20%
Midterms (~3):	30%
Final:	30%

Programming Language

Python 2.7.x

Late Submission Policy

Every late minute will cost you 1 point. No exceptions, except documented medical emergencies.

Code of Academic Honesty

https://web.iit.edu/student-affairs/handbook/fine-print/code-academic-honesty

Americans with Disabilities Act (ADA) Policy

Reasonable accommodations will be made for students with documented disabilities. In order to receive accommodations, students must obtain a letter of accommodation from the Center for Disability Resources. The Center for Disability Resources (CDR) is located in 3424 S. State St., room 1C3-2 (on the first floor), telephone: 312.567.5744 or disabilities@iit.edu.