

CAP 5602 Graduate Introduction to Artificial Intelligence  
Fall 2015

Taught by:

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ECS Room 362  
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Summary:

This class is a graduate introduction to fundamental principles and techniques of artificial intelligence (AI). We will cover the core areas of AI, namely: Search, Logic, Uncertainty, Learning, and Perception/Action. This class should cover all material needed for the doctoral AI qualification exam.

Course Website:

All readings, assignments, and course news will be distributed via the website. Please check it early and often: <https://moodle.cis.fiu.edu/v2.8/course/view.php?id=1026>

Textbook:

Stuart Russell & Peter Norvig, *Artificial Intelligence: A Modern Approach*, 3rd Edition, Prentice Hall, ISBN-13: 978-0-13-604259-4

Times & Locations:

Class will be held in ECS 134, Tuesday & Thursday, 5:00pm – 6:15pm, unless otherwise noted

First day of class: Tuesday, August 25th.

Last day of class: Thursday, December 3rd.

No class on Thursday, November 19<sup>th</sup> and Thursday, November 26<sup>th</sup> (Thanksgiving)

Office Hours will be held in ECS 362, Thursdays, 3:00pm – 4:30pm, unless otherwise noted

No office hours on Thursday, November 19<sup>th</sup> and Thursday, November 26<sup>th</sup> (Thanksgiving)

Grading

Homework	30%
Midterm Exam	30%
Final Exam	30%
Class Participation	10% (attendance will be noted)

Reading

Reading assignments will be distributed via the website. Readings will be associated with each class, and these should be completed before class begins, because lectures and discussions will rely on content in the reading.

Homework

There will be 12 homework assignments. Homeworks will be available on the website by the beginning of class on Tuesdays (with the exception of October 6th, the week of the midterm exam). Homeworks are due the following Tuesday at 12 noon. Homeworks must be submitted

electronically (in pdf form; you may scan a handwritten document if you like). Late homeworks will not be accepted. Homeworks will be graded out of 10 points each, with point distributions noted in the assignment. The last homework will be distributed on Tuesday, November 17th, the week before Thanksgiving.

#### Midterm Exam

The midterm exam will be held in class on Thursday, October 8<sup>th</sup>, and will cover all the material in Chapters 1-12 of the book (Lectures 1-11).

#### Final Exam

The final exam will be held during final's week on Tuesday, December 8<sup>th</sup> from 5-7pm in the normal classroom, and will cover all the material taught in class.

#### Other

No electronic devices will be allowed in class, except under special circumstances. This means no laptops or mobile devices. I do recommend you take notes, which may be done the old fashioned way.