

# CAP 5636 Artificial Intelligence

**Term:** Fall 2018  
**Time:** Tue Thu 4:30pm – 5:45pm  
**Location:** HEC 117  
**Instructor:** Dr. Pawel Wocjan  
**Email:** [wocjan@cs.ucf.edu](mailto:wocjan@cs.ucf.edu)  
**Office hours:** Mon 4:15pm – 5:00pm, Wed 4:15PM – 5:00PM, Thu 5:45pm – 6:30pm.  
**Office:** HEC 341

## Course Topics:

- Uninformed Search
- Informed Search
- Adversarial Search
- Expectimax Search
- Markov Decision Processes
- Reinforcement Learning
- Hidden Markov Models
- Bayes Nets
- Perceptron

## Grading:

There will be 5 homework projects: [http://ai.berkeley.edu/project\\_overview.html](http://ai.berkeley.edu/project_overview.html)  
You have to complete the homework assignments on your own. You will have to submit the autograder output, a brief description of how you solved the problems, and your git commit history, and your code.

There will be a midterm exam and a final exam.

The weights for the final grade are as follows:

Homework:	50%
Midterm:	25%
Final:	25%

The letter grade will be assigned as follows:

Percentage	Letter grade
>= 90	A
>= 85	A-
>= 80	B+
>= 75	B
>= 70	B-
>= 65	C+
>= 60	C
>= 55	C-
>= 50	D+
>= 45	D
>= 40	D-
Less	F

**Course materials:**

There is no required text book. All course material will be posted to UCF web courses. This course will rely heavily on material prepared by the Berkeley AI Lab, which can be found at <http://ai.berkeley.edu/home.html>.

Please take the time to review the UCF Golden Rule <http://goldenrule.sdes.ucf.edu/>, especially about academic conduct and plagiarism.