Instructor
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(352) 562-0979
Office Hours: E540, Monday 11:30am-12:30pm or by appointment

Teaching Assistants
• TBD

Course Description
This course is an introduction to the fundamental concepts behind artificial intelligence.

Required Materials
Laptop: Students are required to bring a laptop to class. Programming assignments will require Python2.7.

Textbook
Readings will be assigned from this textbook.

Prerequisites
COP 3530

Course Schedule
Schedule of topics could change based on class discussions and progress in class activities.
Week 1: Introduction, Intelligent Agents
Week 2: Search
Week 3: Search
Week 4: Constraint Satisfaction Problems
Week 5: Knowledge-based Agents
Week 6: Logic
Week 7: Uncertain Knowledge and Reasoning
Week 8: Bayes Nets
Week 9: Probabilistic Reasoning
Week 10: Probabilistic Reasoning
Week 11: Reinforcement Learning
Week 12: Neural Networks
Week 13: Bonus topics
Week 14-15: Bonus topics

The list of topics may change slightly depending on class interest, and interruptions due to school holidays.

**Key Dates**
Assignments are due typically on Fridays before 4:59pm.
If you are late in submitting the assignment, the late policy is that -1 point will be applied for every 24 hours past the deadline.

**Evaluation of Grades**
Total points = 100, distributed approximately as follows:
Weekly quiz on Mondays (2 pts * 15 = 30 pts)
Class presentation (2 pts)
Class participation (3 pts)
Homework 0 (5 pts)
The remaining 60 points will be distributed between programming homeworks and exams.

**Grading Policy**
The grading criterion will be clearly communicated to the students. Course letter grades will be determined at the end of the semester, based, in part, on the difficulty of the projects, assignments, and exams.

**Class Attendance and Make-Up Policy**
Class attendance is expected. Excused absences are consistent with university policies in the undergraduate catalog [https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx](https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx) and require appropriate documentation.

Make up assignments/grading will not be provided. In case of an absence, students will have the option to apply the last homework/exam grade to the missed assignment.

**Students Requiring Accommodations**
Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

**Course Evaluation**
Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at [https://evaluations.ufl.edu](https://evaluations.ufl.edu). Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open.
Summary results of these assessments are available to students at https://evaluations.ufl.edu/results/.

Class Demeanor
Students are expected to arrive to class on time and behave in a manner that is respectful to the instructor and to fellow students. Please avoid the use of cell phones and restrict eating to outside of the classroom. Opinions held by other students should be respected in discussion, and conversations that do not contribute to the discussion should be held at minimum, if at all.

Materials and Supplies Fees
There are no additional fees for this course.

University Honesty Policy
UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Honor Code (https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

Unfortunately, it is necessary to mention the subject of cheating. While the following paragraphs discuss cheating involving programming, the general ideas apply to any assignment given within the course. Some of the exercises given in this class require the development of short programs or program fragments, and there are always many correct solutions to any non-trivial programming problem. It is sometimes difficult for students and instructors to determine what constitutes cheating or academic dishonesty in this setting. Each exercise, if carried out by the student, will give the student understanding, or will reinforce the student's understanding, of an important A.I. concept. Hence, the student is permitted to inspect related problems and ask questions of the instructor and others in the class about the problem and related problems, but the student is not permitted to copy the work of any others, including but not limited to the instructor, previous TAs, other students (who are, have or have not taken the class), or any other individual(s). Likewise, students allowing others to copy their own work are guilty of cheating.

The exercises assigned for this course are not team projects unless the instructor explicitly tells you so. You may consult with others when attempting to develop your solutions to assignments. It is legitimate for two individuals to discuss the assigned problem so they both understand what is being asked. But once any details of the development and coding of the program starts, collaboration should cease. This does not mean that students
may not help each other – there are just limits to "helping". You cannot
develop a single solution working together as a team with other students. Two
identical or nearly identical solutions to the same problem will be regarded as
evidence of over-collaboration and will be dealt with as cheating. The
borderline where simply consulting with others becomes working as a team or
copying is a gray area. If you have any doubts, you are working too closely
and should stop – go off and work by yourself.

All faculty, staff and student of the University are required and expected to
obey the laws and legal agreements governing software use. Failure to do so
can lead to monetary damages and/or criminal penalties for the individual
violator. Because such violations are also against University policies and
rules, disciplinary action will be taken as appropriate. We, the members of the
University of Florida community, pledge to uphold ourselves and our peers to
the highest standards of honesty and integrity.

Because computer resources are shared, it is essential that all students use
them in a way that respects the rights of others. Any attempt to copy other
people's assignments, destroy other people's data or code, or deny the use of
the computer to others is unethical and is considered a violation of academic
honesty guidelines. The bottom line is, do not misuse any computer or the
computer lab!

Do not cheat! Do not copy others work! Immerse yourself in the class. Learn
the material. The benefit and enjoyment you will receive will be much more
valuable than any consequences of cheating. Individuals who have
misrepresented work as being their own or who have assisted another will
receive as a minimum: a grade of zero on that assignment and a decrease of
one letter grade on their final course grade. This is in addition to any other
penalties given by Student Affairs.

Counseling and Wellness Center
Contact information for the Counseling and Wellness Center:
http://www.counseling.ufl.edu/cwc/Default.aspx, 392-1575; and the
University Police Department: 392-1111 or 9-1-1 for emergencies.

U Matter, We Care: At UF, Every Gator Counts. U Matter, We Care serves as
UF’s umbrella program for UF’s caring culture and provides students in
distress with support and coordination of the wide variety of appropriate
resources. Families, faculty and students can contact umatter@ufl.edu seven
days a week for assistance for students in distress.

Therapist Assisted Online (TAO): TAO is a seven-week, interactive, web-
based program that provides assistant to help overcome anxiety. Each of the
seven weeks, participants will watch videos, complete exercises, and meet
with a counselor via video conferencing for a 10-15 minute consultation. This
is a great option if you are apprehensive about in-person counseling sessions.