CSCI 450: Artificial Intelligence  
Spring 2018  
Instructor: Dr. Stephanie Schwartz  
Course Syllabus

Meeting Times and Location:  
Monday and Friday: 10:00-10:50am, Roddy 136  
Wednesday: 10-11:50am, Roddy 136 or Windows lab

Office Hours: My office hours are Mondays and Fridays from 1pm-2pm, Tuesdays noon-1pm and Wednesdays from noon-2pm. During office hours I can be found either in the lab or in my office (Rm 133, Roddy Hall).

How to reach me: The best way to reach me outside of office hours is by email (stephanie.schwartz@millersville.edu). If you don’t have access to email, my office phone number is 871-4308. I try to check this as frequently as possible, but I don’t check it as often as I do my email!

Prerequisites: C- or higher in CSCI 362

Catalog Description: Introduction to artificial intelligence including problem solving, search, heuristic methods, machine learning, knowledge representation, natural language processing, computer vision, expert systems, theorem proving and current applications. Concepts illustrated through programs developed in LISP or Prolog. Offered periodically.

Required Text:  


Goals: There are several goals for this course. At the end of this course, a successful student will be:

1. Familiar with classical AI problems and solution methodologies of AI  
2. Proficient in programming in Lisp  
3. Familiar with current research topics in AI  
4. Aware of both the possibilities and the problems incumbent in AI research

These goals will be accomplished through the content of the lectures and textbooks, as well as hands-on experience. This hands-on experience includes writing programs (both in the lab and in project assignments) and completing a research survey project (including a short class presentation and a written paper). The achievement of the goals will be measured through your performance on approximately 8 lab assignments, a research project (including presentation and paper), and two exams (midterm and final).

Grading:
Midterm: 20%  
Final: 25%  
Homework, Programming Assignments: 40%  
Paper: 15%  

Not attending labs may result in overall grade reduction (see attendance)
Grading will be on a 100 point scale, with 93%=A, 90%= A-, 87%=B+, 83%= B, etc. You
must complete all exams, labs, and assignments in order to pass the course.

Attendance
You are expected to attend class and lab, read the textbook, complete assigned problems, participate in class discussions, and work productively during problem sessions and labs. Lab attendance is REQUIRED. Not attending a lab or leaving before completing all outstanding assignments will result in a grade reduction of 2% per class period missed.

Graded Work:

• Programs/Homework: Approximately eight programs/homeworks will be given. Assignments should be submitted using the submit script unless specified otherwise.

  There are no late programs. If your assignment is incomplete, submit it for possible partial credit to autolab. Programs must compile/interpret and run for any credit. Developing your programs incrementally can provide assurance that you will receive some credit for your work. Remember – some points are better than no points!

• Exams: Two examinations will be given. They will cover material from the lectures and labs. There are no make-up exams - if you miss a test, you will receive a zero. Exceptions will be made for university excused absences following university policy (documentation may be required)

Academic Honesty:
Copying or extensive collaboration on assignments is not permitted and may result in failure of the course and expulsion from the University. You may discuss approaches to solving a problem, as long as the discussion remains above the level of specific programming instructions. You may also seek aid in resolving compiler/interpreter messages. However, if you copy a code fragment verbatim, you are likely committing academic dishonesty. Obtaining a solution on the Internet or elsewhere and submitting it as your own work is plagiarism and will result in severe disciplinary measures. Be sure you can explain every line of every program you submit.

Consult MU's Academic Dishonesty Policy for more details.

Classroom Civility
Arrive at class promptly, prepared and ready to participate. Set your phone to silent mode and, except in cases of emergency, remain in the classroom for the duration of the meeting. If it is necessary to leave or enter a room once class has begun, do so quietly and with as little disruption as possible. Avoid talking which may be disruptive to your fellow students and professor.

Counseling Resources
Students sometimes face mental health or drug/alcohol challenges in their academic careers that interfere with their academic performance and goals. Millersville University is a caring community and resources are available to assist students who are dealing with problems. The Counseling Center (717-871-7821) is an important resource for both mental health and substance abuse issues. Additional resources include: Health Services (871-5250), Center for Health Education & Promotion (871-4141), Campus Ministries, and Learning Services (717-871-5554).
Title IX Reporting Obligations
Millersville University and its faculty are committed to assuring a safe and productive educational environment for all students. In order to meet this commitment, comply with Title IX of the Education Amendments of 1972, 20 U.S.C. §1681, et seq., and act in accordance with guidance from the Office for Civil Rights, the University requires faculty members to report to the University’s Title IX Coordinator incidents of sexual violence shared by students. The only exceptions to the faculty member’s reporting obligation are when incidents of sexual violence are communicated by a student during a classroom discussion, in a writing assignment for a class, or as part of a University-approved research project. Faculty members are obligated to report to the person designated in the University Protection of Minors policy incidents of sexual violence or any other abuse of a student who was, or is, a child (a person under 18 years of age) when the abuse allegedly occurred.

Information regarding the reporting of sexual violence, and the resources that are available to victims of sexual violence, is available at http://www.millersville.edu/socialeq/title-ix-sexual-misconduct/index.php.

Course Web Site: Lots of information about the course and helpful resources can be found at the course web site: http://cs.millersville.edu/~sschwartz/courses/csci-450/