

CS 540-1: Introduction to Artificial Intelligence Homework Assignment # 1

Assigned: 1/29
Due: 9/13 before class

Hand in your homework:

This homework includes only a written portion. Please type the written portion and hand in the file in **plain text format** and name it as **hw1.txt**. Go to UW Canvas, choose your CS540-1 course, choose Assignment, click on Homework 1: this is where you submit your file.

Late Policy:

All assignments are due at the beginning of class on the due date. One (1) day late, defined as a 24-hour period from the deadline (weekday or weekend), will result in 10% of the total points for the assignment deducted. So, for example, if a 100-point assignment is due on a Wednesday 9:30 a.m., and it is handed in between Wednesday 9:30 a.m. and Thursday 9:30 a.m., 10 points will be deducted. Two (2) days late, 25% off; three (3) days late, 50% off. No homework can be turned in more than three (3) days late. Written questions and program submission have the same deadline.

Assignment grading questions must be raised with the instructor within one week after the assignment is returned.

Collaboration Policy:

You are to complete this assignment individually. However, you are encouraged to discuss the general algorithms and ideas with classmates, TAs, and instructor in order to help you answer the questions. You are also welcome to give each other examples that are not on the assignment in order to demonstrate how to solve problems. But we require you to:

- not explicitly tell each other the answers
- not to copy answers or code fragments from anyone or anywhere
- not to allow your answers to be copied
- not to get any code on the Web

In those cases where you work with one or more other people on the general discussion of the assignment and surrounding topics, we suggest that you specifically record on the assignment the names of the people you were in discussion with.

Question 1: Rejoinder [100 points]

Read the Stanford One Hundred Year Study on Artificial Intelligence (linked on course webpage) in its entirety. It will take perhaps a whole morning – plan ahead!

Then, write a short essay to challenge one or more aspects of the Stanford One Hundred Year Study on Artificial Intelligence. Requirements with point distribution:

- 10 Your essay should be between 300 and 500 words.
- 10 The essay should be a single plain text file in English. No pdf, word, rtf, etc., and no attachments of audio, video, images, etc. please. Name your file **hw1.txt**
- 20 Make a clear statement of your challenge.
- 50 General scholarly writing. Other than the above requirements, you have complete freedom in format and content.