

Deep Learning (Spring 2026)

Assignment 0

Instructions. Please submit your solutions as a single .zip file containing the LaTeX source **main.tex** and its compiled PDF **main.pdf**; this assignment is worth a total of 100 points, with deductions for incorrect answers.

1 True or False Questions

For each of the following statements, indicate whether it is **True** or **False**. If the statement is False, provide a brief one-sentence explanation as to why.

Problem 1. (10 pts) The instructor of this course is Prof. Yi Wu.

Problem 2. (10 pts) The name of this course is Deep Sleeping.

2 Multiple Choice Questions

Select all applicable options. One or more options may be correct. Full credit requires all correct answers; half credit is awarded for partial sets of correct answers. Selecting any incorrect option results in zero credit.

Problem 3. (20 pts) How many “e”’s are there in the term “Deep Learning”

- A. 1
- B. 2
- C. 3

Problem 4. (20 pts) Which of the following expressions are correct?

- A. $1 + 1 = 2$
- B. $e^{i\pi} + 1 = 0$
- C. $3^2 + 4^2 = 5^2$
- D. $1000 - 7 = 996$
- E. $33550336_{10} = 11111111111000000000000_2$

3 Problem-Solving Questions

Problem 5. (30 pts) Why do you selec this course?

4 AI Usage Disclosure

Problem 6. (10 pts) Please honestly disclose whether you used an AI while completing this assignment.

- If you did not use an AI, please write “None.”
- If you did use an AI, please describe how you used it (e.g., for brainstorming, for editing, for generating code, etc.) and what AI did you used.