

# 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.  $33550336_{10} = 111111111111100000000000_2$

### 3 Problem-Solving Questions

**Problem 5. (30 pts)** Why do you select 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.