



ECS659U/A: NEURAL NETWORKS & DEEP LEARNING

2024/25 – Semester 2

Dr. Yorgos Tzimiropoulos

Coursework (worth 50% of total mark)

Spring 2025

DUE DATE: PLEASE REFER TO THE EXACT DATE FROM QM+

Instructions: The coursework is detailed in `assignment-slides.pdf` found on QM+. You are expected to submit one file ONLY through the QM+ submission link, a *single compressed folder* containing:

1. A *single* Jupyter Notebook (**IPYNB** file) containing your code for solving the tasks. Your solution must be developed strictly in PyTorch. **We must be able to run your code on Colab**. Failure to do so could be severely penalised. Furthermore, your code should run with no bugs. Your code should be well-documented and sufficiently commented, illustrating which part of the code solves each task.
2. A single **PDF** file that must be **at most 3 pages long**. Any file submitted under the wrong format (e.g. `doc`, `docx`, `odt`, etc.) or exceeding the length limit might be penalised. The PDF can include text and/or figures accompanying your code for solving the tasks. Given that your code will be well-documented, you don't have to necessarily provide explanations for Tasks 1-3 (but you're encouraged to). However, the PDF **must include** Tasks 4 and 5.

It is allowed to use codes from online resources. However, this has to be clearly cited with reference in your report. Collaboration is NOT permitted when attempting the answers. If you have questions about the CW, contact us in private. There is zero tolerance policy for cases of plagiarism. Please be aware that systems can be busy and slow to respond shortly before deadlines. So you should aim to submit **at least one hour before** the announced deadline.