Course Syllabus

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NOTE: Some links in this syllabus page may only be accessible to currently enrolled students.

Course Introduction	Where to go for Help?	Syllabus & Schedules	Tools	Course Policies

Tools

This primary tools in this course include algorithms, the Python 3 language, Python libraries, and Jupyter Notebooks. Rather than setting up our own individual Jupyter Notebook servers and development environments, we will rely on **Kaggle** ⤴ **(https://www.kaggle.com/)** , the world's home for machine learning.

To get started with Kaggle, please register and use the **Register with Email** option. **Please use your oregonstate.edu email address**.

Each Notebook assignment in Canvas provides you with instructions on what to do next.

Getting Help With Tools

When you get stuck, please ask for assistance using the Ed Discussion forum. Please describe:

- What Notebook you are working on
- What you are trying to do
- The steps you have taken
- The last thing you did that seemed to work correctly
- The full error message and/or a screenshot

Per the Expectations in mathematics and programming for the course, we will not prioritize debugging assistance or help with Python syntax errors. Try using google to investigate your problem, but if you feel stuck, please ask for assistance.

Return to Modules **(https://canvas.oregonstate.edu/courses/2025514/modules)**

Course Summary:

Date	Details	Due
Sun Apr 6, 2025	📝 **Notebook 1: Introduction to Jupyter Notebooks (w1) (https://canvas.oregonstate.edu/courses/2025514/assignments/10065698)**	due by 11:59pm

Date	Details	Due
	🚀 **Quiz 1: Machine Learning Concepts & Vocabulary (w1)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065688)	due by 11:59pm
	🚀 **Quiz: Syllabus and 'Start Here'** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065694)	due by 11:59pm
Sun Apr 13, 2025	🚀 **Quiz 2: Data Types, Preprocessing & Similarity Metrics (w2)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065693)	due by 11:59pm
	📝 **Notebook 2: Data Exploration, Preprocessing & Similarity Metrics (w2)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065699)	due by 11:59pm
Sun Apr 20, 2025	🚀 **Quiz 3: k-Nearest Neighbors (w3)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065686)	due by 11:59pm
	📝 **Notebook 3: Classification with k-Nearest Neighbors (w3)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065700)	due by 11:59pm
Sun Apr 27, 2025	🚀 **Quiz 4: Perceptrons (w4)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065690)	due by 11:59pm
	📝 **Notebook 4: Classification with Perceptrons (w4)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065701)	due by 11:59pm
Sun May 4, 2025	🚀 **Midterm Exam (w5)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065696)	due by 11:59pm
	🚀 **Quiz 5: Deep Learning (w5)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065695)	due by 11:59pm
Sun May 11, 2025	🚀 **Quiz 6: Linear Regression & Gradient Descent (w6)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065692)	due by 11:59pm

Date	Details	Due
	📝 **Notebook 6: Predicting Housing Prices with Linear Regression (w6)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065702)	due by 11:59pm
Sun May 18, 2025	🚀 **Quiz 7: Logistic Regression (w7)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065691)	due by 11:59pm
	📝 **Notebook 7: Classification with Logistic Regression (w7)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065703)	due by 11:59pm
Sun May 25, 2025	🚀 **Quiz 8: Support Vector Machines (w8)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065687)	due by 11:59pm
	📝 **Notebook 8: Classification with Support Vector Machines (w8)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065704)	due by 11:59pm
Sun Jun 1, 2025	🚀 **Quiz 9: Text Classification & Sentiment Analysis (w9)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065685)	due by 11:59pm
	📝 **Notebook 9: Text Classification & Sentiment Analysis (w9)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065705)	due by 11:59pm
Fri Jun 6, 2025	🚀 **Quiz 10: Reflection on Machine Learning (w10)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065689)	due by 11:59pm
Thu Jun 12, 2025	🚀 **Final Exam (w11)** (https://canvas.oregonstate.edu/courses/2025514/assignments/10065697)	due by 11:59pm