

Week	Day	Date	Hour	Classroom	Topic
1	Tuesday	24/09/2024	11:30-13:00	R4	Introduction to the course
	Tuesday	24/09/2024	13:00-14:30	R4	Data exploration and visualization
	Thursday	26/09/2024	16:00-17:30	R4	Python: introduction
	Thursday	26/09/2024	17:30-19:00	R4	Python: introduction
2	Tuesday	01/10/2024	11:30-13:00	R4	LAB 1: Python
	Tuesday	01/10/2024	13:00-14:30	R4	LAB 1: Python
	Thursday	03/10/2024	16:00-17:30	R4	Python: Numpy
	Thursday	03/10/2024	17:30-19:00	R4	Python: Numpy
3	Tuesday	08/10/2024	11:30-13:00	R4	Data exploration and visualization
	Tuesday	08/10/2024	13:00-14:30	R4	Preprocessing and dimensionality reduction
	Thursday	10/10/2024	16:00-17:30	R4	LAB 2: Numpy
	Thursday	10/10/2024	17:30-19:00	R4	LAB 2: Numpy
4	Tuesday	15/10/2024	11:30-13:00	R4	Preprocessing and dimensionality reduction
	Tuesday	15/10/2024	13:00-14:30	R4	Preprocessing and dimensionality reduction
	Thursday	17/10/2024	16:00-17:30	R4	Python: Pandas
	Thursday	17/10/2024	17:30-19:00	R4	Python: Matplotlib
5	Tuesday	22/10/2024	11:30-13:00	R4	LAB 3: Pandas + Matplotlib
	Tuesday	22/10/2024	13:00-14:30	R4	LAB 3: Pandas + Matplotlib
	Thursday	24/10/2024	16:00-17:30	R4	ML preliminaries
	Thursday	24/10/2024	17:30-19:00	R4	Empirical risk minimization
6	Tuesday	29/10/2024	11:30-13:00	R4	Empirical risk minimization
	Tuesday	29/10/2024	13:00-14:30	R4	Model validation and selection
	Thursday	31/10/2024	16:00-17:30	R4	LAB 4: Data exploration and visualization
	Thursday	31/10/2024	17:30-19:00	R4	LAB 4: Data exploration and visualization
7	Tuesday	05/11/2024	11:30-13:00	R4	PROJECTS presentation
	Tuesday	05/11/2024	13:00-14:30	R4	Model validation and selection
	Thursday	07/11/2024	16:00-17:30	R4	LAB 5: Preprocessing and dimensionality reduction
	Thursday	07/11/2024	17:30-19:00	R4	LAB 5: Preprocessing and dimensionality reduction
8	Tuesday	12/11/2024	11:30-13:00	R4	Metrics and hyper-parameter tuning
	Tuesday	12/11/2024	13:00-14:30	R4	Learning through gradient descent
	Thursday	14/11/2024	16:00-17:30	R4	LAB 6: classification from scratch
	Thursday	14/11/2024	17:30-19:00	R4	LAB 6: classification from scratch
9	Tuesday	19/11/2024	11:30-13:00	R4	Techniques for classification and regressions
	Tuesday	19/11/2024	13:00-14:30	R4	Techniques for classification and regressions
	Thursday	21/11/2024	16:00-17:30	R4	LAB 7: supervised learning
	Thursday	21/11/2024	17:30-19:00	R4	LAB 7: supervised learning
10	Tuesday	26/11/2024	11:30-13:00	R4	Clustering
	Tuesday	26/11/2024	13:00-14:30	R4	Clustering
	Thursday	28/11/2024	16:00-17:30	R4	LAB 8: supervised advanced
	Thursday	28/11/2024	17:30-19:00	R4	LAB 8: supervised advanced
11	Tuesday	03/12/2024	11:30-13:00	R4	Clustering
	Tuesday	03/12/2024	13:00-14:30	R4	Artificial neural networks (NN)
	Thursday	05/12/2024	16:00-17:30	R4	Artificial neural networks (NN)
	Thursday	05/12/2024	17:30-19:00	R4	PROJECTS Q&A
12	Tuesday	10/12/2024	11:30-13:00	R4	LAB 9: clustering
	Tuesday	10/12/2024	13:00-14:30	R4	LAB 9: clustering
	Thursday	12/12/2024	16:00-17:30	R4	LAB 10: NN with PyTorch
	Thursday	12/12/2024	17:30-19:00	R4	LAB 10: NN with PyTorch
13	Tuesday	17/12/2024	11:30-13:00	R4	Regularization techniques
	Tuesday	17/12/2024	13:00-14:30	R4	LAB 10: NN with PyTorch
	Thursday	19/12/2024	16:00-17:30	R4	EXAM preparations
	Thursday	19/12/2024	17:30-19:00	R4	EXAM preparations
WINTER HOLIDAYS					
14	Tuesday	07/01/2025	11:30-13:00	R4	
	Tuesday	07/01/2025	13:00-14:30	R4	
	Thursday	09/01/2025	16:00-17:30	R4	PROJECT Questions&Answers
	Thursday	09/01/2025	17:30-19:00	R4	PROJECT Questions&Answers