

Week #	Day	Date	Hijri Date	Chapter	Topics	Deadline				
1	Sunday	18-Aug-2024	1446 صفر, 14		Orientation					
1	Tuesday	20-Aug-2024	1446 صفر, 16	1	Introduction to Machine Learning		1	2		
2	Sunday	25-Aug-2024	1446 صفر, 21	1	Introduction to Machine Learning		1	2		
2	Tuesday	27-Aug-2024	1446 صفر, 23	-	ML & Python	HW1	1	2	3	4
3	Sunday	1-Sep-2024	1446 صفر, 28	2 + 3	Notation and Definitions, 3.1 Linear Regression (+ Python Example)		1			
3	Tuesday	3-Sep-2024	1446 صفر, 30	3	3.2 Logistic Regression (+ Python Example)		1	2		
4	Sunday	8-Sep-2024	1446 ربيع الأول, 05	3	3.4 Support Vector Machine (+ Python Example)		1	2	3	4
4	Tuesday	10-Sep-2024	1446 ربيع الأول, 07	3	3.3 Decision Tree Learning (+ Python Example)	HW2	1	2	3	
5	Sunday	15-Sep-2024	1446 ربيع الأول, 12	3	3.5 k-Nearest Neighbors (+ Python Example)		1	2	3	
5	Tuesday	17-Sep-2024	1446 ربيع الأول, 14	4	4.1 Building Blocks of a Learning Algorithm, 4.2 Gradient Descent, (+ Python Example)		1	2	3	4
6	Sunday	22-Sep-2024	1446 ربيع الأول, 19		National Day Break					
6	Tuesday	24-Sep-2024	1446 ربيع الأول, 21	4	4.3 How Machine Learning Engineers Work, 4.4 Learning Algorithms' Particularities	HW3				
7	Sunday	29-Sep-2024	1446 ربيع الأول, 26	5	5.1 Feature Engineering (+ Python Example)		1	2		
7	Tuesday	1-Oct-2024	1446 ربيع الأول, 28	5	5.2 Learning Algorithm Selection, 5.3 Three Sets, 5.7 Hyperparameter Tuning, 5.7.1 Cross Validation (+ Python Example)		1	2	3	
8	Sunday	6-Oct-2024	1446 ربيع الثاني, 03	5	5.4 Underfitting and Overfitting, 5.5 Regularization (+ Python Example)		1	2		
8	Tuesday	8-Oct-2024	1446 ربيع الثاني, 05	5	5.6 Model Performance Assessment (+ Python Example)		1	2	3	4
9	Sunday	13-Oct-2024	1446 ربيع الثاني, 10		Mid Exam (At class time)					
9	Tuesday	15-Oct-2024	1446 ربيع الثاني, 12		Review					
10	Sunday	20-Oct-2024	1446 ربيع الثاني, 17	7	7.5 Ensemble Learning, 7.8 Active Learning (+ Python Example)	HW4	1	2	3	
10	Tuesday	22-Oct-2024	1446 ربيع الثاني, 19	6	6.1 Neural Networks (+ Python Example)		1	2	3	

11	Sunday	27-Oct-2024	1446 ربيع الثاني, 24	6	6.2 Deep Learning (CNN) (+ Python Example)		1	2	3	4
11	Tuesday	29-Oct-2024	1446 ربيع الثاني, 26	6	6.2 Deep Learning (CNN) (+ Python Example)		1	2	3	4
					7.8 Active Learning					
					8.1 Imbalanced Datasets,					
12	Sunday	3-Nov-2024	1446 جمادى الأولى, 01	8	8.2 Combining Models,		1			
					8.3 Training Neural Networks,					
					8.6 Handling Multiple Outputs					
					(+ Python Example)					
12	Tuesday	5-Nov-2024	1446 جمادى الأولى, 03	8	8.7 Transfer Learning					
					(+ Python Example)					
13	Sunday	10-Nov-2024	1446 جمادى الأولى, 08		Mid Term Break					
13	Tuesday	12-Nov-2024	1446 جمادى الأولى, 10		Mid Term Break					
14	Sunday	17-Nov-2024	1446 جمادى الأولى, 15	9	9.2 Clustering - K-Means - DBSCAN & HDBSCAN	Project	1	2		
					(+ Python Example)					
14	Tuesday	19-Nov-2024	1446 جمادى الأولى, 17	9	PCA		1	2	3	4
15	Sunday	24-Nov-2024	1446 جمادى الأولى, 22		Project Presentation					
15	Tuesday	26-Nov-2024	1446 جمادى الأولى, 24		Project Presentation					
16	Sunday	1-Dec-2024	1446 جمادى الأولى, 29		Review					
16	Tuesday	3-Dec-2024	1446 جمادى الثانية, 02		Review					
17	Sunday	8-Dec-2024	1446 جمادى الثانية, 07		Exams					
17	Tuesday	10-Dec-2024	1446 جمادى الثانية, 09		Exams					
18	Sunday	15-Dec-2024	1446 جمادى الثانية, 14		Finals Week					
18	Tuesday	17-Dec-2024	1446 جمادى الثانية, 16		Finals Week					
19	Sunday	22-Dec-2024	1446 جمادى الثانية, 21		Finals Week					
19	Tuesday	24-Dec-2024	1446 جمادى الثانية, 23		Finals Week					

