Course Planning

Date	Week		Type	Content	Tutorial Guidelines	Tutorial movies	Project Deliverables
28/04/2025	Week 1	EA3	Concepts	00 - Intro / 00 - Enterprise Integration			
29/04/2025		F8 + F8	LAB	Kafka in the cloud	P1-Kafka-in-AWSAcademy.pdf	EC2-VM_Creation_and_Accessing Kafka_Installation_EC2 Using_Kafka_EC2	
30/04/2025		EA3	Concepts	01 - MoM - Kafka - Streams			
01/05/2025		V1.25 + V1.12		Holiday: Labor Day			
05/05/2025	Week 2	EA3	LAB	Kafka in the cloud (cont.) Terraform	P1-Kafka-in-AWSAcademy.pdf P2-HyperAutomation-TERRAFORM.pdf	EC2-VM_Creation_and_Accessing Kafka_Installation_EC2 Using_Kafka_EC2	
06/05/2025		F8 + F8	LAB	Kafka clustering Kafka Streams	P4-Kafka-Streams-AWS.pdf P3-Kafka-Distributed.pdf	KafkaCluster-Configuration	
07/05/2025		EA3	Concepts	02 - SOA & Microservices & Reactive & Quarkus			
08/05/2025		V1.25 + V1.25	LAB	Quarkus	P6-Quarkus.pdf		
12/05/2025	Week 3	EA3	LAB	Quarkus with Docker (introductory)	P6-Quarkus.pdf		
13/05/2025		F8 + F8	LAB	Quarkus: REST & DB & Swagger	P6-Quarkus.pdf P5-RDS-database.pdf		
14/05/2025		EA3	Evaluation	Revision + MAP45			
15/05/2025		V1.25 + V1.12	Project	Sprint 1 support			Saturday 17/5/2025 12h Sprint 1 (15%)
19/05/2025	Week 4	EA3	Concepts	03 - Containers & Cloud			
20/05/2025		F8 + F8	LAB	AWS LAMBDA	P8-Lambda-AWS.pdf	Develop Deploy and Invoke a Lambda microservice	
21/05/2025		EA3	Concepts	04 - Processes			
22/05/2025		V1.25 + V1.12	LAB	Sprint 1 Patterns feedback			
26/05/2025	Week 5	EA3	LAB	Camunda platform	P7-BPMN-CAMUNDA.pdf Scenario 1	Camunda-Overview A full example of a executable BPMN collaboration in Camunda engine	
27/05/2025		F8 + F8	LAB	Business process design & implementation Business process Integration & DMN	P7-BPMN-CAMUNDA.pdf Scenario 1	Camunda-Overview A full example of a executable BPMN collaboration in Camunda engine	
28/05/2025		EA3	Concepts	05 - API management and Gateway systems			
29/05/2025		V1.25 + V1.12	LAB	Authentication & credentials APIs Deployment & management	P9-KONG.pdf Scenario2	Kong APIGateway Configuration and Invocation	
02/06/2025	Week 6	EA3	Concepts	05 - Identity management & B2B & Other aspects			
03/06/2025		F8 + F8	LAB	Authentication & credentials / APIs Deployment & management (cont.) Ollama deployment in EC2	P9-KONG.pdf Scenario2 P2-HyperAutomation-TERRAFORM.pdf	Kong APIGateway Configuration and Invocation	
04/06/2025		EA3	Evaluation	Revision + MAP45			
05/06/2025		V1.25 + V1.25	Project	Sprint 2 Support	Scenario 3		
09/06/2025	Week 7	EA3	Project	Sprint 2 Support			
10/06/2025		F8 + F8		Holiday: Day of Portugal, Camões and Portuguese Communities			
11/06/2025		EA3	Project	Sprint 2 support			
12/06/2025		V1.25 + V1.25	Project	Sprint 2 Support			Saturday 14/6/2025 12h Sprint 2 (25%)
	Week 8			project discussion			
				Normal Season Exam - 26/6/2025 10:30			
				Second Season Exam - 10/7/2025 15:30			
				Special Season Exam - 23/7/2025 18:00			

	amount of classes
LAB	12
Concepts	7
project	5
evaluation	2