UML for Software Analysis and Design 🥏 🕻 🌽





This course is designed for software engineers and systems architects who are new to UML. Delegates are taught how to create the most commonly used UML diagram types to analyse requirements and create static and dynamic designs. Practical exercises and workshops help to reinforce the theory.

Duration: 4 days

Prerequisites: No prior UML experience is required.

A background in software analysis and design is helpful.

Equipment:



For on-site delivery the customer should provide a suitable training room with a screen or projector to connect to our trainer's laptop and a whiteboard or flipchart. All exercises are completed on paper therefore no PCs or laptops are required.



For webinar delivery delegates require a PC or laptop with an Internet connection (a headset can be helpful). If you wish to test your environment join a test WebEx meeting: www.webex.com/test-meeting.html

Course Style: 40% theory, 60% practical.

Each module is accompanied by targeted exercises to allow delegates to apply the theory and

become confident with new concepts and notation.

Delegate Handouts: Each delegate receives a folder containing all the course slides and comprehensive theory

notes which form excellent reference material. Folders also contain exercises and suggested solutions. Following successful completion of the course each delegate receives a certificate.

Course Modules:		Theory	EA	Notation	Exercise	Hands-on
Introduction	½ hour					
UML Overview	½ hour			N.		
UML Use Case Essentials	2½ hours			R.	N.	
UML Use Case Advanced	2 hours			N.	1	
UML Activity Diagrams	1 hour			N.	N.	
UML Object Oriented Concepts	2½ hours			P.		
UML Class Essentials	2 hours			P.		
UML Class Advanced	2 hours			P)	A	
UML Component Diagrams	½ hour			P.		
UML Deployment Diagrams	½ hour			N.	1	
UML Object Interactions	1½ hours			P.	1	
UML Sequence Diagrams	2 hours			P.		
UML Communication Diagrams	1 hour			P.		
UML State Machine Essentials	1½ hours			P)	W.	
UML State Machine Advanced	1 hour			R.	N.	
UML Design Patterns	1½ hours			r P	N.	
UML Map to Relational Databases	½ hour			r r		
UML Process Workshop	2½ hours			r)	V.	
UML Requirements Workshop	1 hour			r)	V.	
UML Analysis Workshop	1 hour			r)	V.	
UML Design Workshop	1 hour			P.	V	
	Introduction UML Overview UML Use Case Essentials UML Use Case Advanced UML Activity Diagrams UML Object Oriented Concepts UML Class Essentials UML Class Advanced UML Component Diagrams UML Deployment Diagrams UML Object Interactions UML Sequence Diagrams UML Sequence Diagrams UML State Machine Essentials UML State Machine Advanced UML Design Patterns UML Map to Relational Databases UML Process Workshop UML Requirements Workshop UML Analysis Workshop	Introduction UML Overview UML Use Case Essentials UML Use Case Advanced UML Activity Diagrams 1 hour UML Object Oriented Concepts UML Class Essentials UML Class Advanced 2 hours UML Component Diagrams UML Deployment Diagrams UML Object Interactions UML Sequence Diagrams UML Communication Diagrams 1½ hour UML State Machine Essentials UML State Machine Advanced 1½ hours UML Design Patterns UML Map to Relational Databases UML Requirements Workshop UML Analysis Workshop 1 hour UML Analysis Workshop 1 hour	Introduction UML Overview UML Use Case Essentials UML Use Case Advanced UML Object Oriented Concepts UML Class Essentials UML Class Advanced UML Component Diagrams UML Deployment Diagrams UML Object Interactions UML Sequence Diagrams UML Sequence Diagrams UML State Machine Essentials UML State Machine Advanced UML Design Patterns UML Process Workshop UML Requirements Workshop UML Requirements Workshop 1 hour UML Analysis Workshop 1 hour 2 hours 2 hours 2 hours 2 hours 1 hour 1 hour	Introduction UML Overview UML Use Case Essentials UML Use Case Advanced UML Object Oriented Concepts UML Class Essentials UML Class Advanced UML Component Diagrams UML Object Interactions UML Object Interactions UML Sequence Diagrams UML Communication Diagrams UML State Machine Advanced UML Design Patterns UML Process Workshop UML Requirements Workshop UML Requirements Workshop UML Requirements Workshop UML Advanced Va hour Va hour	Introduction 1/2 hour 1/2 hour 1/2 hour 1/2 hours 1/3 hour 1/4 hour 1/4 hour 1/5 hour 1/5 hour 1/6 hour 1/6 hour 1/7 hour 1/8 hour 1/8 hour 1/8 hour 1/8 hour 1/8 hour 1/8 hours 1/8 hours 1/8 hour 1/8 hours 1/8 hour 1/8 hours 1/8 hour 1/8 hours 1/8 h	Introduction We hour UML Overview We hour Whour UML Use Case Essentials 2½ hours UML Use Case Advanced 2 hours UML Activity Diagrams 1 hour UML Object Oriented Concepts UML Class Essentials 2 hours UML Class Advanced 2 hours UML Component Diagrams We hour UML Object Interactions 1½ hours UML Sequence Diagrams 1 hour UML Sequence Diagrams 1 hour UML Communication Diagrams 1 hour UML State Machine Essentials 1½ hours UML Design Patterns UML Map to Relational Databases UML Requirements Workshop 1 hour UML Requirements Workshop 1 hour UML Analysis Workshop 1 hour UML Analysis Workshop 1 hour UML Analysis Workshop 1 hour



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