



## Πρόγραμμα Μαθημάτων .NET Coding School

Lesson	Day	Time	Title	Headline
1. Introduction to project design and management	30/9/2017	09:30 – 10:15	Designing a large scale project (milestone, metrics, user requirements, etc.)	Understanding the Problem
		10:30 – 11:45	Designing a large scale project (OOP basics and goodies)	Approaching problems: The OOP mindset
		12:00 – 12:45	My first agile project - team development	Working as a team
		14:00 – 15:15	My first dotnet project on Azure	The tools
		15:30 – 16:30	GitHub Flow	
2. Databases / code quality	7/10/2017	09:30 – 10:15	Dotnet and databases - design	Designing the Data Model
		12:00 – 12:45	Lab – code-first design	Creating the Data Model
		14:00 – 15:15	NoSQL databases	No SQL
		10:30 – 11:45	Dotnet and databases - deploy and optimize	Database optimization
		15:30 – 16:30	Lab – optimize code and measure quality	Database deployment
3. Web API / Analytics	14/10/2017	9:30 – 10:15	Web API Design and development	Designing for the Web
		10:30 – 11:45	Web API Design and development	Building modern REST APIs
		12:00 – 12:45	Publishing & Consuming Web API	Going live
		14:00 – 15:15	Azure analytics	Keeping an eye on the services
		15:30 – 16:30	Lab – Azure analytics	
4. Design and deployment	21/10/2017	09:30 – 10:15	Design principles – Test Driven Development	Asserting stability & quality
		10:30 – 11:45	Design principles – Test Driven Development	What to test? How to test?
		12:00 – 12:45	Design principles – Decoupling Code & IoC	how to write testable code?

		14:00 – 15:15	Design Architecture – Patterns & anti-patterns	Design patterns
		15:30 – 16:30	Lab – Testing	Tools
5. Project Development	22/10/2017	10:00 – 17:00	Project Development	
6. UI and usability	29/10/2017	09:30 – 10:15	UI and usability	UI/UX What's the difference?
		10:30 – 11:45	UI and usability	Modern UI tools
		12:00 – 12:45	Lab – Designing for desktop and mobile	Being responsive
		14:00 – 15:15	Essential Javascript	
		15:30 – 16:30	Lab – A real life UI	