ESCUELA TÉCNICA SUPERIOR DE
INGENIERÍA

New Trends in Information Technology

SEMESTER: Spring

CREDITS: 3 ECTS

LANGUAGE: Spanish/English

DEGREES: MII

Course overview

This course takes you through the different emerging technologies that companies use to develop new business models and create new digital process.

Prerequisites

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Course contents

Theory

Block 0 Methodologies
Session 1: Main concepts for Scrum, DevOps, DataSecOps, TDD, BDD ....
Block 1 Internet of Things, IoT
Session 2: Introduction and leading rapid prototyping platforms
Session 3: Communication protocols and business cases
Block 2: Cloud Platforms
Session 4: Cloud Architectures
Session 5: AWS
Session 6: Azure
Session 7 GCP
Block 3: BlockChain
Session 8: Foundation
Session 9: Smart Contracts
Session 10: Crypto Currencies
Block 4: Cybersecurity
Session 11: Introduction and Cryptography
Session 12: Pentesting and Information gathering
Session 13: DFIR, Blueteam, RedTeam
Block 5: Case study
Session14: Case study with everything learned

This document is a brief outline of the course and does not replace the official program of study