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

-

Course contents

Theory

1. Cloud Computing
    1.1. Introduction to Datacenter
    1.2. Platforms.
    1.3. DevoOps/Microservices/FaaS.
    1.4. Cloud Analytics.
2. Cibersecurity
    2.1. Introduction
    2.2. HDFS
    2.3. YARN and Map Reduce
    2.4. OT Security.
3. Blockchain
    3.1. Arquitecture.
    3.2. Business Models.
    3.3. Development platforms.
4. IoT
    4.1. Arquitecture and protocols.
    4.2. IoT and Cloud.

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