

Academic Year: ( 2022 / 2023 )

Review date: 09-05-2022

Department assigned to the subject: Computer Science and Engineering Department

Coordinating teacher: FERNANDEZ ARREGUI, SUSANA

Type: Electives ECTS Credits : 6.0

Year : Semester :

## DESCRIPTION OF CONTENTS: PROGRAMME

- I - The global digital world
  - 1. The global digital world
  - 2. Value of information in the global economy
  - 3. Policy, Regulation and Globalization in Information Technology
- II - Paradigms and models of global information systems
  - 1. Internet, the Web and the Internet of Things (IoT)
  - 2. Distributed computing and storage systems.
  - 3. From systems to services: service-oriented architecture.
  - 4. Virtualization and Cloud Computing.
  - 5. Cloud service models.
  - 6. Implementation of services in the cloud: practical aspects.
  - 7. Big data paradigms for companies.
- III - Design of Global Systems
  - 1. High-performance IT systems for enterprises.
  - 2. Data Center Standards
  - 3. Planning, prevention and response for disaster recovery

<b>% end-of-term-examination:</b>	60
<b>% of continuous assessment (assignments, laboratory, practicals...):</b>	40