

Academic Year: (2022 / 2023)

Review date: 09-05-2022

Department assigned to the subject: Department of Computer Science and Engineering

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

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