

Academic Year: (2021 / 2022)

Review date: 08-04-2021

Department assigned to the subject:

Coordinating teacher: MOLINA LOPEZ, JOSE MANUEL

Type: Electives ECTS Credits : 3.0

Year : 1 Semester : 1

REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

None

OBJECTIVES

Understand the concept of agent and multiagent
 Analyze problems of agents cooperation
 Analyze the communication needs to reach a cooperative behavior between agents
 Design a distributed solution to a problem
 Design execution, communication and cooperation skills to solve a real problem
 Discuss various approaches to the development of multiagent systems
 Knowing platforms multiagent systems development

DESCRIPTION OF CONTENTS: PROGRAMME

The concept of Agent
 Multiagent systems
 Organization of Multiagent Systems
 communication
 coordination
 collaboration
 Distributed Problem Resolution
 Methodology of multiagent systems development
 Multiagent systems applications

LEARNING ACTIVITIES AND METHODOLOGY

Theoretical lectures: To achieve the specific cognitive competences of the course evaluated
 Practical Case: The student proposes a project according to the teachers guidance to go deeply into some aspect of the course

The home work (theoretical and practical case) will be supervised by personalized tutoring

ASSESSMENT SYSTEM

The evaluation system (ordinary and extraordinary convocatory) includes the assessment of guided academic activities (final exam) and practical cases on Multiagent Systems. The work is oriented to research themes and student should do a oral presentation or a exam related to home works to be evaluated.

% end-of-term-examination:	50
% of continuous assessment (assignments, laboratory, practicals...):	50