

Year : 2018/19

30223 - Artificial Intelligence

Syllabus Information

Academic Year:	2018/19
Subject:	30223 - Artificial Intelligence
Faculty / School:	110 - 326 -
Degree:	330 - Complementos de formación Máster/Doctorado 443 - Bachelor's Degree in Informatics Engineering 439 - Bachelor's Degree in Informatics Engineering
ECTS:	6.0
Year:	443 - Bachelor's Degree in Informatics Engineering: 3 439 - Bachelor's Degree in Informatics Engineering: 3 330 - Complementos de formación Máster/Doctorado: XX
Semester:	Half-yearly
Subject Type:	ENG/Complementos de Formación, Compulsory
Module:	---

General information

Aims of the course

Context and importance of this course in the degree

Recommendations to take this course

Learning goals

Competences

Learning goals

Importance of learning goals

Assessment (1st and 2nd call)

Assessment tasks (description of tasks, marking system and assessment criteria)

Methodology, learning tasks, syllabus and resources

Methodological overview

Learning process:

The learning process has been designed considering three kind of activities: master classes, programming assignments in laboratory sessions, and homework. The development of the master classes and programming activities in the laboratory requires previous study work and the preparation of the activity.

Learning tasks

The program of activities to help student to achieve the expected results consists of the following activities:

Master classes, problem solving (with and without professor assistance), programming assignments in the laboratory, homework and evaluation activities.

Syllabus

Ideas and techniques underlying the design of intelligent computer systems. Topics include search, game playing, knowledge representation, inference, planning, reasoning under uncertainty and machine learning

Course planning and calendar

Schedule

The timetable will be defined by the center according to the academic calendar.

Student work

Successful students can spend 10 hours a week on the assignments, depending on their background skills and level of interest, which are distributed in the following way:

- 1) Master classes (T1) (30 hours).
- 2) Problem Solving (T2) (15 hours).
- 3) Problem assignments in laboratory (T2) (15 hours, five sessions of 3 hours)
- 4) **Homework** (T6) (20 hours).
- 5) Study (T7) (60 hours).
- 6) Evaluation (T8) (10 hours).

Bibliography and recommended resources

[BB: Bibliografía básica / BC: Bibliografía complementaria]

- Zaragoza:
- [BB] Russell, Stuart J. Inteligencia artificial : un enfoque moderno / Stuart J. Russell y Peter Norvig ; traducción, Juan Manuel Cordacho Rodríguez ... [et al.] ; revisión técnica, Juan Manuel Cordacho Rodríguez ... [et al.] ; coordinación general de la traducción y revisión técnica, Luis Joyanes Aguilar . - 2ª ed. Madrid : Pearson Educación, D. L. 2008
- [BB] Russell, Stuart J.. Artificial intelligence : a modern approach / Stuart J. Russell and Peter Norvig ; contributing writers, Ernest Davis, Douglas D. Edwards, David Forsyth . - 3rd ed. Boston : Pearson, cop. 2010

Listado de URL

- Transparencias y apuntes de la asignatura. Enunciados de problemas, casos de estudio y Guiones de prácticas[<http://add.unizar.es>]
- Teruel:
- [BB] Russell, Stuart J.. Artificial intelligence : a modern approach / Stuart J. Russell and Peter Norvig ; contributing writers, Ernest Davis, Douglas D. Edwards, David Forsyth . - 3rd ed. Boston : Pearson, cop. 2010