

30223 - Artificial Intelligence

Información del Plan Docente

Academic Year	2017/18
Faculty / School	110 - Escuela de Ingeniería y Arquitectura 326 - Escuela Universitaria Politécnica de Teruel
Degree	330 - Complementos de formación Máster/Doctorado 439 - Bachelor's Degree in Informatics Engineering 443 - Bachelor's Degree in Informatics Engineering
ECTS	6.0
Year	XX
Semester	Half-yearly
Subject Type	Compulsory, ENG/Complementos de Formación
Module	---

1.General information

1.1.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

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

5.Methodology, learning tasks, syllabus and resources

5.1.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

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laboratory requires previous study work and the preparation of the activity.

5.2.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.

5.3.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

5.4.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).

5.5.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

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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