

Course Syllabi

CODE 206

NAME Foundations of Artificial Intelligence

Credits 6 ECTS

Period Spring Semester

Course Specifications

Lectures, written exercises, individual work, programming laboratory practices.

Objectives and contents

This is a first course in Artificial Intelligence (AI). AI is ‘the art of creating machines that perform functions that require intelligence when performed by people’ (Kurzweil, 1990). The aim is to provide a knowledge of the fundamental techniques of present AI and also some fluency in the use of Python and some of its libraries. Course contents include: decision trees; linear and logistic regression; artificial neural networks; search and planning.

Assessment

There are two written exams: a midterm exam covering part A of the theoretical content (Machine Learning and Neural Networks) and a final exam covering part B of the theoretical content (Search and Planning) and part C (practical data analysis).

Also, there are lab sessions and programming exercises, to be coded in Python. Therefore, programming skill is a prerequisite.

Lecturer

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