



Programme of Module "Artificial Intelligence"

- Code: DT0171
- Type of course unit: Compulsory (Master Degree in Computer Science curriculum SEAS)
- Level of course unit: Postgraduate Degrees
- Semester: 1

Number of ects credits: (Master Degree in Computer Science) 6 (workload 150 hours)

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1	Course objectives	The course aims at providing knowledge on basic concepts of Artificial Intelligence and heuristic programming.
2	Course content and learning outcomes (dublin descriptors)	Topics of the module include: <ul style="list-style-type: none"> • Heuristic problem solving • Theorem proving and Prolog • Planning • Natural Language processing • Probabilistic and Information theoretic reasoning • Machine Learning
3	Course prerequisites	Competence in programming and data structures.
4	Teaching methods and language	Lectures Language: English Reference textbooks <ul style="list-style-type: none"> • D. Poole, A. Mackworth, R. Goebel, <i>Computational Intelligence a logical approach</i>. Oxford University Press. 1998. • S. Russell, T. Norvig, <i>Intelligenza Artificiale un approccio moderno</i>. Prentice Hall. (vol. 1) 2005.
5	Assessment methods	Written test, homework evaluation, and discussion of an implementation project.