Introduction to Artificial Intelligence

Course code: MLDM IAI
ECTS Credits: 6.00
Course level: Master

Course instructor: François Jacquenet

Education period (Dates): 1st semester

Language of instruction: English

Expected prior-knowledge: none.

Aim and learning outcomes:

This course presents a basic introduction to AI tools: logic, prolog programming and natural language processing.

Topics to be taught (may be modified)~40h:

- Propositional Logic.
- First order logic.
- Prolog and Constraint Programming.
- Basics of Natural Language Processing.

Practical Laboratory Sessions~10h:

- Prolog Programming and CLP.

Teaching methods: Lectures and lab classes.

Form(s) of Assessment: written exams.

Literature and study materials:

- The Art of Prolog, Advanced Programming Techniques, Leon Sterling and Ehud Shapiro, MIT Press.
- Speech and Language Processing (3rd ed. draft), Dan Jurafsky and James H. Martin, see Dan Jurafsky’s web site.

Additional information:

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