Course code: MLDM IAI
ECTS Credits: 6.00

Course level: Master

Course instructors: François Jacquenet

Education period (Dates): 1st semester

Language of instruction: English

Expected prior-knowledge: Basis on graph theory.

Aim and learning outcomes:
This course presents a basic introduction to AI tools: logic, prolog programming (search algorithms).

Topics to be taught (may be modified)~40h:
- Introduction to Logic (Propositional and First order logics and inference systems)
- Introduction to AI (history, problems' representation, heuristic and exhaustive search algorithms (depth, breadth, minimum cost, A*, AO, AO*))
- Prolog and Constraint Programming

Practical Laboratory Sessions~10h:
- Prolog Programming and CLP

Teaching methods: Lectures and lab classes.

Form(s) of Assessment: written exams

Literature and study materials:
Basic textbook:

Additional information:
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