ID1214 Artificial Intelligence and Applied Methods
7.5 credits

Artificiell intelligens och tillämpningar

Course syllabus for ID1214 valid from Autumn 16

This is a translation of the Swedish, legally binding, course syllabus.

Grading scale: A, B, C, D, E, FX, F
Education cycle: First cycle
Main field of study: Technology

Intended learning outcomes

After passing the course, the students should be able to:

- account for artificial intelligence and its application fields
- know and account for artificial intelligence methods and technologies
- formulate and carry out a well delimited and qualified assignment that applies artificial intelligence techniques.

Course main content

The following fields are treated within the scope of the course:

- Fundamental AI problems and solutions including search algorithms and planning, knowledge representation forms and knowledge including reasoning strategies, decision support and heuristics.
- Intelligent agents and multi-agent systems
- Automatic analysis and generation of natural language.

Focus is on artificial intelligence for knowledge-based systems, agent system and strategies.

Language of instruction

Language of instruction is specified in the course offering information in the course and programme directory.

Eligibility

- ID1018 Programming I
- ID1019 Programming II or ID1213 Logic programming

or the equivalent.

Literature

Published articles from several different books such as:

The Cambridge Handbook of Artificial Intelligence.

The Quest left Artificial Intelligence.

**Examination**

- INL1 - Written assignment, 4.0 credits, grading scale: P, F
- TEN1 - Examination, 3.5 credits, grading scale: A, B, C, D, E, FX, F

Written examination. Written assignment that is presented in groups.