

## **ELOIM425-Artificial intelligence and decision support system**

**Professor:** Isabelle Linden

**Credits:** 5 ECTS

### **Learning outcomes**

After this course, the student will be able to

- describe various knowledge models and explain the associated learning and solving algorithms
- describe their involvement in case studies and DSS implementations
- draw a scientific literature review and write a synthesis of a new research question
- communicate the synthesis by both written and oral reporting according to scientific standards

### **Content**

The lectures present the main problem solving and machine learning techniques and present their implementation in business DSS.

### **Teaching methods**

Learning is based on presentations and reading of scientific papers

### **Evaluations**

reading report and oral exam

### **Recommended readings**

Artificial Intelligence : A modern approach, Stuart Russell and Peter Norvig  
Machine Learning, Tom Mitchell,  
Introduction to Machine Learning, Ethem Alpaydin