

COURSE DETAIL

MULTI-AGENT SYSTEMS

Country

Norway

Host Institution

University of Oslo

Program(s)

University of Oslo

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering Computer Science

UCEAP Course Number

150

UCEAP Course Suffix**UCEAP Official Title**

MULTI-AGENT SYSTEMS

UCEAP Transcript Title

MULTI-AGENT SYSTEMS

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

This course provides an introduction to systems with multiple agents/units/robots that mutually depend on each other's behaviors in order to evaluate their own or collective system performance. The course covers theory for strategic interaction between self-interested agents as well as more altruistic agents working explicitly together in complex distributed environments. Game theory and swarm intelligence are central parts of the course curriculum.

Language(s) of Instruction

English

Host Institution Course Number

TEK5010

Host Institution Course Title

MULTI-AGENT SYSTEMS

Host Institution Course Details

<https://www.uio.no/studier/emner/matnat/its/TEK5010/index-eng.html>

Host Institution Campus

Host Institution Faculty

Mathematics and Natural Sciences

Host Institution Degree

Master

Host Institution Department

Technology Systems

Course Last Reviewed

2025-2026

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