

COURSE DETAIL

INTELLIGENT AUTONOMOUS SYSTEMS

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering Computer Science

UCEAP Course Number

167

UCEAP Course Suffix**UCEAP Official Title**

INTELLIGENT AUTONOMOUS SYSTEMS

UCEAP Transcript Title

INTEL AUTO SYSTEMS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course gives an introduction to several subdomains of intelligent autonomous systems and robotics, and an orientation about fundamental methods and algorithms within these domains. Content covered includes three-layer architecture, Perception-Action Cycle, Robotic architectures, world models, Robot Perception, SLAM, reasoning under uncertainty, MAP-Slam, actuation, picking, placing, and reasoning and planning.

Language(s) of Instruction

English

Host Institution Course Number

EDAP20

Host Institution Course Title

INTELLIGENT AUTONOMOUS SYSTEMS

Host Institution Course Details

<https://kurser.lth.se/lot/course/EDAP20>

Host Institution Campus

Lund

Host Institution Faculty

Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed

2023-2024

[Print](#)