

COURSE DETAIL

BIOLOGICALLY INSPIRED COMPUTING

Country

Norway

Host Institution

University of Oslo

Program(s)

University of Oslo

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

103

UCEAP Course Suffix**UCEAP Official Title**

BIOLOGICALLY INSPIRED COMPUTING

UCEAP Transcript Title

BIOL INSPIRED COMP

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

This course offers an introduction to self-adapting methods also known as artificial intelligence or machine learning. Students study schemes for classification, search and optimization based on bio-inspired mechanisms, evolutionary computation, and artificial neural networks. This includes specialized approaches such as swarm intelligence and artificial immune systems. The course also provides an overview of alternative traditional methods.

Language(s) of Instruction

English

Host Institution Course Number

INF3490

Host Institution Course Title

BIOLOGICALLY INSPIRED COMPUTING

Host Institution Campus

Mathematics and Natural Sciences

Host Institution Faculty

Host Institution Degree

Host Institution Department

Informatics

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