

COURSE DETAIL

COMPUTATIONAL COGNITIVE SCIENCE

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

127

UCEAP Course Suffix**UCEAP Official Title**

COMPUTATIONAL COGNITIVE SCIENCE

UCEAP Transcript Title

COMP COGNITIVE SCI

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

This course introduces students to the concepts and methodology needed to implement and analyze computational models of cognition. It considers the fundamental issues of using a computational approach to explore and model cognition. In particular, this course explores the way that computational models relate to, are tested against, and illuminate psychological theories and data. The course introduces both symbolic and subsymbolic modelling methodologies, and provides practical experience with implementing models. The symbolic part focuses on cognitive architectures, while the subsymbolic part introduces probabilistic models.

Language(s) of Instruction

English

Host Institution Course Number

INFR10054

Host Institution Course Title

COMPUTATIONAL COGNITIVE SCIENCE

Host Institution Campus

Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department

INFORMATICS

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