

# COURSE DETAIL

## REINFORCEMENT LEARNING

**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**

166

**UCEAP Course Suffix****UCEAP Official Title**

REINFORCEMENT LEARNING

**UCEAP Transcript Title**

REINFORCEMENT LEARN

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

## Course Description

Reinforcement learning (RL) refers to a collection of machine learning techniques which solve sequential decision making problems using a process of trial-and-error. It is a core area of research in artificial intelligence and machine learning, and provides one of the most powerful approaches to solving decision problems. This course covers foundational models and algorithms used in RL, as well as advanced topics such as scalable function approximation using neural network representations and concurrent interactive learning of multiple RL agents.

## Language(s) of Instruction

English

## Host Institution Course Number

INFR11236

## Host Institution Course Title

REINFORCEMENT LEARNING

## Host Institution Course Details

<http://www.drps.ed.ac.uk/23-24/dpt/cxinfr11236.htm?code=INFR11236>

## Host Institution Campus

## Host Institution Faculty

School of Informatics

## Host Institution Degree

## Host Institution Department

## Course Last Reviewed

2023-2024

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