

COURSE DETAIL

ARTIFICIAL INTELLIGENCE: CONCEPTS AND APPLICATIONS

Country

United Kingdom - England

Host Institution

University College London

Program(s)

Summer at University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

109

UCEAP Course Suffix

S

UCEAP Official Title

ARTIFICIAL INTELLIGENCE: CONCEPTS AND APPLICATIONS

UCEAP Transcript Title

AI: CONCEPTS & APP

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course offers a comprehensive exploration into the field of Artificial Intelligence (AI), specifically designed for students with diverse backgrounds. Spanning a period of three weeks, participants are introduced to fundamental AI concepts and techniques, ranging from basic machine learning principles to advanced neural networks and ethical considerations. Through a mix of interactive lectures, hands-on coding exercises, and practical case studies, students not only acquire a theoretical understanding of AI but also develop practical skills in data pre-processing, model implementation, and ethical decision-making. The course serves as a platform for students to delve into AI's potential and ethical dimensions, cultivating insights into its applications across industries and nurturing a curiosity for further AI study.

Language(s) of Instruction

English

Host Institution Course Number

ISSU0123

Host Institution Course Title

ARTIFICIAL INTELLIGENCE: CONCEPTS AND APPLICATIONS

Host Institution Campus

Host Institution Faculty

Division of Biosciences

Host Institution Degree

Host Institution Department

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