

COURSE DETAIL

COMPUTERS AND HUMANS

Country

United Kingdom - England

Host Institution

University College London

Program(s)

University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

159

UCEAP Course Suffix**UCEAP Official Title**

COMPUTERS AND HUMANS

UCEAP Transcript Title

COMPUTERS & HUMANS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The course provides an overview of the relationships between computing systems and human beings, from a technological perspective. The first weeks introduce the main theoretical and technical concepts of human-computer interaction (HCI), such as cognitive aspects of visual design, interaction design, persuasion, and user experience. The students analyze the risks and possibilities associated to computing interfaces, wearable technologies, and data visualization. The second part of the course focuses on AI and algorithms, with a broad introduction to the main techniques and challenges involved, e.g., machine learning and data science. In this part as well, once equipped with the basic conceptual tools, students focus on the ethical challenges of modern AI systems, with a discussion on the concepts of accountability and trust?

Language(s) of Instruction

English

Host Institution Course Number

BASC0048

Host Institution Course Title

COMPUTERS AND HUMANS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Arts and Sciences

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