COURSE DETAIL

ETHICS OF EMERGING TECHNOLOGIES

Country
Israel

Host Institution
Israel Institute of Technology, Technion/Neubauer

Program(s)
Technion-Institute of Technology

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Philosophy Computer Science

UCEAP Course Number
103

UCEAP Course Suffix

UCEAP Official Title
ETHICS OF EMERGING TECHNOLOGIES

UCEAP Transcript Title
ETHICS/EMERGNG TECH

UCEAP Quarter Units
3.00

UCEAP Semester Units
2.00

Course Description

Emerging technologies like artificial intelligence, the Internet of Things, and Blockchain Technology have an increasingly transformative impact on people and society. This course introduces the different ways to theorize emerging technology, reflect on its ethical impacts, and use practical tools to integrate ethical reflection in day-to-day projects. The course consists of three parts. The first part of the course covers the basics: presenting major ethical issues with emerging technologies from a historical perspective, explaining the link between ethical theories and technology, and presenting different ways to think about technological mediation. The second part focuses on ethics of particular types of emerging technologies: of artificial intelligence (e.g. deep learning), artificial life (e.g. genetic modification), and existential machines (e.g. the atomic bomb). The third part contextualizes the ethics of emerging technologies in a discussion of three global challenges: global citizenship and human rights, climate change, and violence. The course uses methods of philosophical reflection, argumentation, empirical and historical research, and applied ethics.

Language(s) of Instruction
English

Host Institution Course Number
326002

Host Institution Course Title
ETHICS OF EMERGING TECHNOLOGIES

Host Institution Course Details
https://www.graduate.technion.ac.il/Subjects.Eng/?Sub=326002

Host Institution Campus

Host Institution Faculty
Graduate School

Host Institution Degree

Joint

Host Institution Department
Humanities and Art

Course Last Reviewed
2021-2022

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