

## COURSE DETAIL

### ARTIFICIAL INTELLIGENCE

**Country**

Germany

**Host Institution**

CIEE, Berlin

**Program(s)**

The Berlin Experience

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

111

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

ARTIFICIAL INTELLIGENCE

**UCEAP Transcript Title**

ARTIFICIAL INTELLIGENCE

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course introduces key concepts and applications for the design of intelligent computer systems, or Artificial Intelligence (AI). Topics covered include heuristic search, game playing, logic, machine learning, deep learning, natural language processing, robotics and image processing. Through interactive lectures, discussions, and assignments, students apply basic AI concepts and principles to develop modeling and analytical skills for problem-solving. Students create working programs that solve problems, reason logically, and/or improve their own performance. The class covers the history, different careers, and social/cultural impacts of AI as well. Finally, it prepares students to further explore and apply AI in research and application domains.

## Language(s) of Instruction

English

## Host Institution Course Number

CMPS 3002

## Host Institution Course Title

ARTIFICIAL INTELLIGENCE

## Host Institution Course Details

<https://ciee.file.force.com/sfc/dist/version/download/?oid=00Di0000000ddow&ids=...>

## Host Institution Campus

CIEE Berlin

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

## Course Last Reviewed

2025-2026

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