COURSE DETAIL

3.00

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** ARTIFICL INTELLIGNC **UCEAP Quarter Units** 4.50 **UCEAP Semester Units**

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 Al 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 Al as well. Finally, it prepares students to further explore and apply Al in research and application domains.

Language(s) of Instruction

English

Host Institution Course Number

CMPS 3002

Host Institution Course Title

ARTIFICIAL INTELLIGENCE

Host Institution Campus

CIFF Berlin

Host Institution Faculty

Host Institution Degree

Host Institution Department

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