

COURSE DETAIL

ARTIFICIAL INTELLIGENCE IN MEDICINE

Country

Taiwan

Host Institution

National Taiwan University

Program(s)

National Taiwan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

118

UCEAP Course Suffix**UCEAP Official Title**

ARTIFICIAL INTELLIGENCE IN MEDICINE

UCEAP Transcript Title

AI MEDICINE

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

Artificial intelligence in medicine has created tremendous business opportunities recently, creating an ideal environment for AI-Biomedical interdisciplinary specialists to make considerable contributions and significantly impact the world. Intelligent medicine aims to utilize state-of-the-art AI technologies for many medical applications such as accurate disease risk prediction and essential predictors selection, which are for early precise and efficient treatments. This course introduces the vast potential of intelligent medicine, seeking to advance student skills and motivation for AI-Biomedical interdisciplinary science.

The course also introduces potential partners for future interdisciplinary collaboration to our students and provide opportunities for practical implementations through several carefully designed experiments, which shall demonstrate how to leverage real-world medical resources and related AI technologies. The course includes visits to prestigious companies and institutes and as well as seminars.

Language(s) of Instruction

English

Host Institution Course Number

CommE5064

Host Institution Course Title

ARTIFICIAL INTELLIGENCE IN MEDICINE

Host Institution Campus

Host Institution Faculty

College of Electrical Engineering and Computer Science

Host Institution Degree

Host Institution Department

Institute of Biomedical Electronics and Bionformatics

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