

## 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 AND INTELLIGENT MEDICINE

### Host Institution Course Details

[https://nol.ntu.edu.tw/nol/coursesearch/print\\_table.php?course\\_id=942%20U0780&c...](https://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=942%20U0780&c...)

### 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

**Course Last Reviewed**

2024-2025

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