

COURSE DETAIL

HEALTH SYSTEMS ENGINEERING

Country

Korea, South

Host Institution

Korea University

Program(s)

Korea University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Health Sciences

UCEAP Course Number

110

UCEAP Course Suffix**UCEAP Official Title**

HEALTH SYSTEMS ENGINEERING

UCEAP Transcript Title

HEALTH SYS ENGR

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

The purpose of this course is to explore various areas within healthcare/medical settings and understand the applicability of IE/OR/AI tools. Applications of Markov process, simulation modeling, and data analytics methods are discussed through case studies and papers in different care settings and areas. Topics include hospital resource optimization, decision support for public health sector, AI for personalized medicine, etc.

Language(s) of Instruction

English

Host Institution Course Number

IMEN383

Host Institution Course Title

HEALTH SYSTEMS ENGINEERING

Host Institution Course Details

<https://infodepot.korea.ac.kr/lecture1/lecsubjectPlanView.jsp?year=2023&term=2R...>

Host Institution Campus

Host Institution Faculty

Industrial and Management Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed

2023-2024

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