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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