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 Campus

Host Institution Faculty
Industrial and Management Engineering

Host Institution Degree

Host Institution Department

[Print](#)