

COURSE DETAIL

HUMAN FACTORS ENGINEERING

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering

UCEAP Course Number

121

UCEAP Course Suffix**UCEAP Official Title**

HUMAN FACTORS ENGINEERING

UCEAP Transcript Title

HUMAN FACTORS ENGR

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course focuses on the interaction dynamics between the human operator and the machine or system in a human-machine system. The course begins by defining the areas of concern in human factors engineering (e.g., the human-machine interface, the displays to be perceived, and the controls to be actuated). The course also discusses the tools and methodologies used by human factors engineers. The next part of the course discuss issues of capabilities and limitations of the human operator. Throughout the course, emphasis is placed on application-oriented material.

Language(s) of Instruction

English

Host Institution Course Number

IE2150

Host Institution Course Title

HUMAN FACTORS ENGINEERING

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Industrial & Systems Engineering

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