

FDA132

An Introduction to Human Factors Engineering - HMI 606 (HMI)

Lectures:

30 h.

Recommended for

Graduate status as HMI student or well qualified undergraduate.

The course was last given:

Spring 1998.

Goals

To acquaint HMI and other students with the human factors engineering topics, concepts, theories and research strategies.

Prerequisites

Graduate student status or qualified undergraduate.

Organization

15 lectures/class meetings, 2 hours each. Day(s) to be determined.

Contents

Human factors and systems, human factors research methodologies, information input, text, graphics, symbols and codes, visual displays of dynamic information, auditory, tactual and olfactory displays, speech communications, physical work, motor skills, human control of systems, controls and data entry devices, hand tools and devices, workspace design and seating, physical space, interpersonal aspects, illumination, climate, noise, motion, human error, human factors in systems design.

Literature

Sanders, M. S., & McCormick, E. J. (1993). Human Factors Engineering and Design. New York: McGraw-Hill.

Teachers

Sidney Dekker, IKP.

Examiner

Sidney Dekker, IKP.

Schedule

Fall 2002.

Examination

Written examination, student presentation(s).

Credit

5 credits.