



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Design of Work: Methods and Measurement

ISE 2400

Credit Hours:

2.00 - 2.00

Course Levels:

Undergraduate (1000-5000 level)

Course Components:

Lecture

Course Description:

Introduces students to tools and techniques used in work methods design and productivity improvement, including operation analysis, motion study, value engineering, predetermined time systems, time study, line balancing.

Prerequisites and Co-requisites:

Prereq: Soph standing, and enrollment in Industrial and Systems Engineering major or Engineering Physics major. Additional prereq for students enrolled in ISE major: a grade of C or above in English 1110, Math 2568, Stat 3470, and CSE 1222 or 1223 or 1224.

Course Goals / Objectives:

- Provide students with an understanding of the historical roots through current applications of and need for a systematic approach to the design of work, including measurement methods
 - Gain experience with tools and techniques used by practicing Industrial Engineers
-

Course Topics:

- Work design, analysis, and management – the necessity for adopting a systems perspective.
 - Design and management of work.
 - Work measurement and methods analysis.
-

Designation:

Required