University of Wisconsin - Madison  
College of Engineering [EGR]  
Last Offered: 2015-2016 Fall [1162]  
Direct Link to this Syllabus:  

1. I SY E 653, Organization and Job Design  
2. Credits: 3  Contact Hours: 2.5  

a. Other Supplemental Materials: N/A  

- Specific Course Information:  
  
a. Brief description of the content of the course (Course Catalog Description): Design of productive organizations and people's roles within them. Issues including boundary location, organizational decision levels, autonomous work groups, implementation and diffusion. Roles of the union. Case studies.  
  
b. Pre-requisites or Co-requisites: Grad st or IE 349  
  
c. This is a Selected Elective course.  

- Specific Goals for the Course:  
  
a. Course Outcomes:  

  1. To be able to conduct a detailed job analysis using a variety of methods.  
  2. To know theories of job and organization design.  
  3. To be able to apply theories of job and organization to the analysis and redesign of jobs.  

- ABET Student Learning Outcomes:  

  (a) Ability to apply mathematics, science and engineering principles.  
  (b) Ability to design and conduct experiments, analyze and interpret data.
(c) Ability to design a system, component, or process to meet desired needs.
(d) Ability to function on multidisciplinary teams.
(e) Ability to identify, formulate and solve engineering problems.
(f) Understanding of professional and ethical responsibility.
(g) Ability to communicate effectively.
(h) The broad education necessary to understand the impact of engineering solutions in a
global and societal context.
(i) Recognition of the need for and an ability to engage in life-long learning.
(j) Knowledge of contemporary issues.
(k) Ability to use the techniques, skills and modern engineering tools necessary for
engineering practice.

• **Brief List of Topics to be Covered:**

  Methods of data collection for job analysis, Theories of job design and organizational
  management, Features of jobs that affect employee motivation, Job Redesign, Teamwork,
  Ethical Treatment of Employees

• **Additional Information**: N/A