



**University of Wisconsin - Madison**  
**College of Engineering [EGR]**  
**Last Offered: 2013 Fall [1142]**  
**Direct Link to this Syllabus :**

<http://aefis.enr.wisc.edu/index.cfm/page/CourseAdmin.ViewABET?coursecatalogid=277&pdf=True>

**1. ISyE 653, Organization and Job Design**

**2. Credits : 3.00 Contact Hours : 2.5**

**3. Textbook and Materials :** Job and Work Design; ? Parker, S., & Wall, T.; 1st edition; 1998

**a. Other Supplemental Materials :** N/A

**4. 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.**

**5. 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.

**b. 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.

**6. 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

**7. Additional Information : N/A**