1. Department: **Industrial Engineering** College: ENGR

2. Person Submitting Form: **Hamid R. Parsaei** Telephone: 3-6041

3. Course Information on New/Revised course:
   - Instructional Area / Course Number / Long Course Title: **INDE / 4374 / Industrial Supervision**
   - Instructional Area / Course Number / Short Course Title (30 characters max.): **INDS 4374**
   - SCH: 3.00 Level: **SR** CIP Code: 14.0101.00 06 Lect Hrs: 3.0 Lab Hrs: 0

4. Justification for adding/changing course: **To meet instructional needs of students**

5. Was the proposed/revised course previously offered as a special topics course? □ Yes □ No
   If Yes, please complete:
   - Instructional Area / Course Number / Long Course Title: ______ / ______ / ______
   - Content ID: ______ Start Date (yyyy3): ______

6. Authorized Degree Program(s): □ Undergraduate □ Graduate □ Professional Studies
   - BS Industrial Eng.
   - Does this course affect major/minor requirements in the College/Department? □ Yes □ No
   - Does this course affect major/minor requirements in other Colleges/Departments? □ Yes □ No
   - Are special fees attached to this course? □ Yes □ No
   - Can the course be repeated for credit? □ Yes □ No

7. Grade Option: **Letter (A, B, C...)** Instruction Type: lecture ONLY (Note: Lect/Lab info. must match item 3. above.)

8. If this form involves a change to an existing course, please obtain the following information from
   the course inventory: Instructional Area / Course Number / Long Course Title
   ______ / ______ / ______
   - Start Date (yyyy3): ______ Content ID.: ______

9. Proposed Catalog Description: (If there are no prerequisites, type in "none").
   Cr. 3. (3-0). Prerequisites: ENGI 2304. Description (30 words max.): Introduce tools and scientific
   methods necessary to better understand the role of human behavior in complex socio-technical systems such
   as cognitive processes of organizational behavior, dynamics of organizational behavior, leadership and
   innovation.

10. Dean's Signature: __________________________ Date: 10/15/07
    Print/Type Name: **Dr. Frank Claydon**
Industrial Supervision  
INDE 4374  
Fall 2008

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The course is intended to provide students with necessary knowledge to better understand the principles of engineering administration and work as a productive team member. The course also intended to introduce tools and scientific methods necessary to better understand the role of human behavior in complex sociotechnical systems. The course also presents how people behave in organizations and what impact a leadership can make in increasing the productivity of organizations and morale of their members.

Prerequisite(s):

ENGI 2304.

Course Outcomes:

Upon completion of this course, students should:

- Understand concepts, tools, and applications of organizational behavior in engineering and technical organizations,
- Develop an appreciation for the role of human behavior in complex organizations and how an effective leadership can positive impact an organization and its productivity,
- Skills necessary to motivate and lead technical organizations.

Textbook:


Topics Covered in this course include:

Environmental and Organizational

1. Introduction to Organizational Behavior

2. Environmental Context: Information technology, Globalization, Diversity, and Ethics
3. Organizational Context: design and Culture
4. Organizational Context: Reward Systems
5. Industrial Supervision

Cognitive Processes of Organizational Behavior
6. Personality and Attitude
7. Motivational Needs and Processes
8. Job Motivation, Job Design, and Job Adaptation
9. Positive Organizational behavior

Dynamics of Organizational Behavior
10. Group Dynamics
11. Stress and Conflict
12. Power and Politics
13. Groups and Teams

Organizational Processes
14. Communication
15. Decision Making
16. Leadership

Leadership and Innovation
17. Effective Leadership Processes
18. Common Characteristics of Leaders: Personalities, Styles, Activities, and skills

Course grade:
First exam 100 Points
Second exam 100 Points
Final exam 100 Points
Homework assignments 50 Points
<table>
<thead>
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<th>Activity</th>
<th>Points</th>
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<td>Group presentations</td>
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<td>Class participation</td>
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