ISEN 411 Engineering Management  
January 2005


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BASIS OF GRADES:  
<table>
<thead>
<tr>
<th>Exam</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>1st Exam</td>
<td>25%</td>
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<tr>
<td>2nd Exam</td>
<td>25%</td>
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<tr>
<td>Final Exam</td>
<td>25%</td>
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<tr>
<td>Class Participation</td>
<td>25%</td>
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DATE  TOPIC  *  ASSIGNMENT

1/13 Introduction  
1/15 Scope of Engineering Management  1-21  
1/17 Managerial Roles  notes  
1/22 Planning and Forecasting  notes  
1/24 Organizational theory  22-40  
1/27 Informal organization  41-48  
1/29 Informal org. cont.  
1/31 TQM  49-79  
2/3 TQM cont.  82-118  
2/5 Motivation  120-128  
2/7 Motivation cont.  
2/10 Case II  
2/12 Case III  
2/14 FIRST TEST  
2/17 Leadership  129-145  
2/19 Leadership cont.  
2/21 Case IV  
2/24 Case V  
2/26 Creativity  Notes  
2/28 Creativity cont.  
3/3 Creativity cont.  
3/5 Case VIa  
3/7 Team building  
3/10 Case VIb  
3/12 Conflict resolution  
3/14 Communication  147-168  

Spring break  
3/24 Systems Engineering  
3/26 Systems Life cycle

3/28 SECOND TEST  
3/31 Project Control  169-190  
4/2 Cost estimating  
4/4 Project selection  
4/7 Project planning  
4/9 Case VIII  
4/11 Scheduling and control  191-224  
4/14 Case IX
NOTES:

* Subject to change as deemed necessary by the instructor.

CASE STUDIES:

The class will be divided up into teams. Each team will be assigned as many cases as there are team members. Each student will serve as team manager for the preparation and presentation of 1 case and as a team member for the other cases. The team will prepare a 15 minute presentation of their analysis and proposed solution for the case utilizing the most applicable concepts discussed in the text and found in the literature. Teams are urged to seek out information that might be helpful from sources other than the class text.

Presentations should not be merely a summary of the case. Rather they should include an analysis and identification of the basic problem or problems, suggested recommendations for solution of the problem or problems, the theoretical justification for the recommendations and the expected results if the recommendations are followed. Visual aides are encouraged where appropriate.

The preparation and presentation of these case studies will constitute 25% of each student’s final grade. This will be determined as follows:

- Evaluation of student as manager by teammates: 2.5%
- Evaluation of student participation by managers: 2.5%
- Evaluation of team presentations by class: * 10%
- Evaluation of team presentations by instructor: * 10%

* In the latter two categories, each member of the team (manager and team members) will receive these grades i.e. the whole team is being graded by the class and instructor, not just the presenter.