Course Description:
Principles of total quality control; Shewhart control charts; acceptance sampling; capability and reliability studies.

Objective:
To provide students with understanding of the techniques of quality assurance and techniques used in contemporary industries so that they can become a manager in quality.

Text/Calc:
Gerald M. Smith, Statistical Process Control and Quality Improvement (5th Edition)
A calculator with basic statistical functions is required for class meeting. Students are responsible and are encouraged to get familiar with the usage of their calculators.

Evaluation:
The final grade is based upon the following percentages:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>≥ 90</td>
<td>A</td>
</tr>
<tr>
<td>80 ≤ Percentage &lt; 90</td>
<td>B</td>
</tr>
<tr>
<td>70 ≤ Percentage &lt; 80</td>
<td>C</td>
</tr>
<tr>
<td>60 ≤ Percentage &lt; 70</td>
<td>D</td>
</tr>
<tr>
<td>Percentage &lt; 60</td>
<td>F</td>
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</tbody>
</table>

Total score will be calculated based upon the following grading activities:
- Class participation, quiz, exercise 15%
- Assignments, Homework, etc. 45%
- Midterm Test 20%
- Final Examination 20%

Class Approach, Policies, Equipment
- Students are expected to have read the chapter of discussion prior to class.
- Students are expected to attend all class sessions and be attentive to lectures.
- Unless specified otherwise, homework is due at the beginning of class. After 20 minutes homework will be considered late. Late homework (within 24 hours after the due date) will be penalized by 20% in the grade.
- Homework received 24 hours after due date will not be accepted.
- Exams will not be made up unless prior approval is granted by the instructor.
- The university's policy on academic integrity will be followed.

Graduate Students Policy:
- According to the policy of Graduate School, a graduate student taking a senior class is required to perform additional work beyond the requirements for undergraduate students.
- The additional work is typically a research project related to the subject this count as a 10% and the evaluation percentages for undergraduates will weight 90%.

Students with Disabilities:
If you have a documented disability and wish to discuss academic accommodation, please contact the coordinator in the Office of Disability (581-6583) as soon as possible.