The proposed schedule is tentative. For Spring 2017, ISE 2211 Statistics for Engineers will be delivered as a pseudo SCALE-UP curriculum. The SCALE-UP schedule is based on the traditional lecture method of delivery-of-instruction and as such, is a work in progress. Please refer to the ISE 2211 (Spring 2017) List of Topics and Associated Tests for a detailed list of topics which correlates with each test. For information regarding make-up tests, please refer to the ISE 2211 (Spring 2017) Policy Regarding Attendance, Participation, Absences, and Test Grades.

Note: The content, order, and/or schedule of planned tests may be altered at the discretion of the instructor based on his assessment of class progress.

Grading Criteria: There is no extra credit, no graded homework, no graded quizzes, no participation grades or other points other than test scores. The overall course grade will be based on the average test scores (after dropping the lowest two test scores). Note: Missed tests due to absences will be scored as zero points. Plan on approximately ten tests. The exact day of the week does not appear on the schedule below, but will be announced (either verbally in class or by email) before the test. The ISE 2211 (Spring 2017) Review Notes summarizes the key elements that may be covered by each test.

<table>
<thead>
<tr>
<th>Week</th>
<th>Week of</th>
<th>Test Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>01-09-17</td>
<td>Introduction to Engineering Statistics</td>
</tr>
</tbody>
</table>
| 2    | 01-16-17| 01-16-17 Monday - Martin Luther King Holiday - No Classes  
Test #1 Descriptive Statistics |
| 3    | 01-23-17| Test #2 Axioms of Probability |
| 4    | 01-30-17| Test #3 Discrete Probability Distributions |
| 5    | 02-05-17| Last Day to Drop without Grade of "W" |
| 6    | 02-13-17| Test #4 Continuous Probability Distributions |
| 7    | 02-20-17| Test #5 Normal Distribution |
| 8    | 03-06-17| Test #6 Central Limit Theorem |
| 9    | 03-13-17| Test #7 One Sample Hypothesis Testing |
| 10   | 03-20-17| Test #8 Two Sample Hypothesis Testing |
| 11   | 03-27-17| |
| 12   | 04-03-17| |
| 13   | 04-10-17| |
| 14   | 04-17-17| 04-21-17 Friday Last Day of Class |
| 15   | 04-24-17| 8:00 - 10:00 AM Friday April 28, 2017  
Test #9 One Way ANOVA and Test #10 Correlation & Regression |
List of Topics and Associated Tests

The topics and subtopics are guidelines and are not meant to be restrictive or all inclusive. The content, order, and/or schedule of planned tests may be altered at the discretion of the instructor based on his assessment of class progress.

Test #1
Data Analysis, Frequency Tables, Histograms
Descriptive Statistics Mean, Variance, Standard Deviation

Test #2
Axioms of Probability
Conditional Probability

Test #3
Random Variables and Probability Distributions
Probability Distributions Mean (Expected Value) and Variance
Discrete Probability Distribution Functions and Probability Mass Functions
Discrete Probability Distributions
  Uniform Distribution
  Binomial Distribution
  Poisson Distribution

Test #4
Continuous Probability Distribution Functions and Probability Density Functions
Continuous Probability Distributions
  Uniform Distribution
  Exponential Distribution

Test #5
Normal Distribution
Standard Normal Distribution (Z Table)

Test #6
Central Limit Theorem, Sampling Distributions, and Interval Estimates
Parameter Estimation (Mean and Variance)
Minimum Sample Size

Test #7
One Sample Hypothesis Testing (Z Test, t-Test, and p-Values) Mean & Variance
Type I & II Errors, Power of the Test

Test #8
Two Sample Hypothesis Testing (Independent and Dependent {Paired t-test})
Means & Variances

Test #9
One-Way ANOVA

Test #10
Correlation & Regression