Instructor: Esam Al-Sawi  
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Teaching Hours: SUMTW 10:30-11:30am and SUMT 12:30-2:10
Office Hours: SUMT 11:35-12:20 am or by appointment

Text and Package:
2. MINITAB Statistical Package will be used.
3. Scientific calculator with statistical functions in every class and exam.

Course Objectives:
Introducing basic concepts of probability and statistics to business students. Emphasis will be given on the understanding of the nature of randomness of real world problems, the formulation of statistical methods by using intuitive arguments and thereby making meaningful decisions.

Assessment:
Assessment for this course will be based on homework, attendance, two Major exams and a final exam, as following:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>attendance, homework and Lab work</td>
<td>(4%+6%+10% = 20%)</td>
</tr>
<tr>
<td>Exam 1 (Chapters 9, 10)</td>
<td>20%</td>
</tr>
<tr>
<td>Exam 2 (Chapters 12 &amp; 13)</td>
<td>15%</td>
</tr>
<tr>
<td>Exam 3 (Chapters 14 &amp; 15)</td>
<td>15%</td>
</tr>
<tr>
<td>Final Exam (Comprehensive)</td>
<td>30%</td>
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</tbody>
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General Notes:
- Students are required to carry pens, binder and a calculator with statistical functions to EVERY lecture, quizzes, and exams.
- Students are also expected to take class notes and organize their learning material in a binder for easy retrieval to help them in study and review for class, exams, etc.
  - It is to the student’s advantage to keep a binder for storing class notes, homework, and other graded assignments. Students who are organized will find it easier to find important materials when studying for exams.
- To effectively learn statistics, students need to solve problems and analyze data. The selected assigned problems are specifically designed to prepare you for class quizzes, lab, majors and final exam. So, it is expected that you complete these problems step-by-step and with comprehension.
- Never round your intermediate results to problems when doing your calculations. This will cause you to lose calculation accuracy. Round only your final answers and you should not round less than 4 decimal places unless required otherwise.

A formula sheet and statistical tables will be given for you in every exam, so you only need to bring with you pens, pencils, a sharpener, an eraser, and a calculator.
# Tentative Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Sections</th>
<th>Topics</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3/7 – 7/7</td>
<td>9.1-9.4</td>
<td>5-July Last day for adding courses</td>
</tr>
<tr>
<td></td>
<td>10/7 – 14/7</td>
<td>10.1-10.4</td>
<td>10-July Last day for dropping course(s) without permanent record</td>
</tr>
<tr>
<td>3</td>
<td>17/7 – 21/7</td>
<td>12.1-12.5</td>
<td>Exam 1</td>
</tr>
<tr>
<td>4</td>
<td>24/7 – 28/7</td>
<td>13.1-13.9</td>
<td>28-July Last day for dropping course(s) with grade of &quot;W&quot; thru web at <a href="http://regweb.kfupm.edu.sa">http://regweb.kfupm.edu.sa</a></td>
</tr>
<tr>
<td>5</td>
<td>31/7 – 4/8</td>
<td>14.1-14.6</td>
<td>4 August Last day for withdrawal from all courses with grade of &quot;W&quot; thru web at <a href="http://regweb.kfupm.edu.sa">http://regweb.kfupm.edu.sa</a> Exam 2</td>
</tr>
<tr>
<td>6</td>
<td>7/8 – 11/8</td>
<td>15.1, 15.3-15.5</td>
<td>Exam 3 18 August Last day for major exams; Last day for withdrawal from all courses with grade of &quot;WP/WF&quot; thru the University Registrar</td>
</tr>
<tr>
<td>7</td>
<td>14/8 – 18/8</td>
<td>16.1-16.8</td>
<td>23 August Last day of classes</td>
</tr>
<tr>
<td>8</td>
<td>21/8 – 23/8</td>
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<td></td>
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</tbody>
</table>
**Important Notes:**

- Students will be required to carry a scientific calculator *with statistical functions* to *every class, quiz, and exam.*
- We will explain the MINITAB commands in the class and the student free to do his homework anywhere he likes.
- In accordance with University rules, *Nine (9) unexcused absences* will automatically result in a grade of *DN.*
- *Attendance* on time is very important. Therefore, ½ % will be reduced for *each* one absence.
- Mostly, attendance will be checked within the *first five minutes* of the class. Entering the class after that, is considered as one late, and *every two lateness* equals to one absence.
- All contacts or announcements between the instructor and the students are supposed to be held on the WebCT, so the student *must* check his WebCT inbox *at least once* a day.
- *Quizzes:* In general, there will be a *quiz at the end of every chapter.*

**Home Work Problems:**

- *Homework* problems will be *handed out* to students.
- The *Homework* should be submitted the first Saturday after completing the chapter and *no need for an announcement in advance.*
- No late homework will be accepted.

**Student Learning Outcomes:**

Students are expected to

1. Know the correspondence between *levels of measurement* and *statistical procedures.*
2. Know the *assumptions* underlying statistical procedures.
3. *Select* the appropriate statistical *procedure* for various applied business situations.
4. Accurately *compute* procedures *manually* and by *MINITAB* and *interpret the results* of these statistical procedures.
5. Finally, make the *right* decision.