MTH 357 – Probability and Statistics
Spring 2010

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TTh 1–3, by appointment, or drop in OM 429
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Textbook: Probability and Statistics for Engineer and Scientists , 8th Edition,  
Walpole, Myers, Myers, and Ye, Pearson/Prentice Hall 2007
Other: Coursepack of class notes available in the bookstore

Course Prerequisite: MTH 172 with a C− or better

Course Objectives:
♦ Provide a thorough introduction to the theory and applications of probability and statistics.
♦ Develop an appreciation for the use of statistics in decision making as well as an appreciation of its limitations.
♦ Develop new problem solving skills and enhance critical thinking abilities.

Exams and Grading:
♦ Homework 20%  
  IMPORTANT: NO EXTRA CREDIT
♦ ICP 15%
♦ Exams 1/2/3 45% (15% each)
♦ Final 20%  
  Tuesday, 12/15/09, 10:15–12:15

Homework
♦ Homework may be done in groups (each student must hand in an assignment).
♦ Homework may be an in-class assignment. These can not be made up.
♦ Assigned problems are on a separate handout as well as on my webpage.
♦ Due dates will be announced in class.
♦ You must show your work to receive full credit (where applicable).
♦ Late homework will be penalized/not accepted.
  ◦ Homework will be considered late if not in my office by 3:00 on the due date unless prior arrangements have been made.
  ◦ Homework will be accepted until the assignment is returned to the class–but it will be penalized unless prior arrangements have been made.

Exams 1/2/3:
♦ Make-up exams will not be possible without prior arrangements–and the reason for missing an exam must be compelling and perhaps more importantly, documented.
♦ Exams will resemble homework problems and problems done in class.
ICP:

◊ Integration plays a key role starting in §3.3.
◊ Counting is an important skill to have...not as easy as it sounds!
◊ The problems will be on separate handouts with due dates identified.

Final Exam:

◊ The final will be closed book (may allow a notecard).
◊ Will be cumulative.

General Philosophy/Attendance:

◊ College prepares you for a professional position.
◊ In the working world, you are responsible for your career and you are accountable for your decisions. For example, class attendance is expected (just as you are expected to go to work), but not required.

Important Dates:

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martin Luther King’s Birthday, no class</td>
<td>January 18, 2010</td>
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<tr>
<td>Last day to add a class</td>
<td>January 22, 2010</td>
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<tr>
<td>First Exam</td>
<td>February 5, 2010 (subject to change)</td>
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<tr>
<td>President’s Day, no class</td>
<td>February 15, 2010</td>
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<tr>
<td>Second Exam</td>
<td>March 12, 2010 (subject to change)</td>
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<tr>
<td>Spring Break, no class</td>
<td>March 15–19, 2010</td>
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<tr>
<td>Last day to withdraw</td>
<td>March 26, 2010</td>
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<tr>
<td>Easter Recess, no class</td>
<td>April 2–5, 2010</td>
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<tr>
<td>Third Exam</td>
<td>April 9, 2010 (subject to change)</td>
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<tr>
<td>Final Exam</td>
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Students with Disabilities:

If you need course adaptations or accommodations because of a disability, if you have a medical and/or safety concern to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible.