Department of Mathematics  
Pomona College

Math 151. Probability        Spring 2020

Course Outline

Time and Place:      MWF 9:00 am – 9:50 am     Millikan 1051
Instructor:          Dr. Adolfo J. Rumbos
Office:              Millikan 2287
Phone/e-mail:        ext. 18713 / arumbos@pomona.edu
Office Hours:        TR 9:00 am – 10:00 am, or by appointment
Text:               Probability and Statistics,  
                    by Morris H. DeGroot and Mark J. Schervish,  Adison Wesley
Course Website:      http://pages.pomona.edu/~ajr04747/
Prerequisites:       Multivariable Calculus or Vector Calculus, and Linear Algebra.

Course Description.  This course is an introduction to the theory and applications of Probability;  
special attention will be given to applications relevant to statistical inference.  A solid knowledge of  
multivariable calculus and linear algebra will be assumed.  The course topics are listed in the  
attached tentative schedule of lectures and examinations.

Assigned Readings and Problems.  Readings and problem sets will be assigned at every lecture  
and collected on an alternate basis.  Students are strongly encouraged to work on every assigned  
problem.  Late homework assignments will not be graded.

Grading Policy.  Grades will be based on the homework, three 50-minute examinations, plus a  
comprehensive final examination.  The overall score will be computed as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>homework</td>
<td>20%</td>
</tr>
<tr>
<td>three 50-minute exams</td>
<td>50%</td>
</tr>
<tr>
<td>final examination</td>
<td>30%</td>
</tr>
</tbody>
</table>

Final Examination.  
Time:  Friday, May 15, 2020     9:00 am – 12:00 pm.  
Place:  Millikan 1051