University of Pennsylvania  
Math 103 Pre-Freshman Program  
Summer 2012  
Monday / Wednesday / Friday  
10 am – noon  Williams 1

Professor: Nakia Rimmer  
Office: DRL 4C19  
Office Hours: Monday and Wednesday 9:30-10 am  
Email: rimmer@math.upenn.edu  
Webpage: http://www.math.upenn.edu/~rimmer/math103/pfp.htm

We will also have a dedicated Blackboard webpage where you can check your grades.

Text: *Thomas’ Calculus*, Custom Edition for the University of Pennsylvania. Pearson 2011. ISBN 13: 978-1-256-33339-5. It must be bought in the University bookstore for the relatively low price of $100 (this same text is used in Math 103 and Math 114). Don’t buy the non-custom Penn version of the text because it won’t be bundled with the access code to My Math Lab.

**Introduction to Calculus:** Introduction of concepts and methods of Calculus for students with little or no previous Calculus experience. The following topics will be covered:

**Pre-Calculus Review**  
Fractions, Exponents, Radicals, Order of Operations, Solving Equations, Graphing, Exponential, Logarithmic and Trigonometric Functions

**Chapter 2**  
2.1 Tangent and Velocity Problems (motivation for the derivative)  
2.2 The Limit of a Function  
2.3 Limit Laws

**Grade:**

<table>
<thead>
<tr>
<th>35 %</th>
<th>Exam 1</th>
<th>In-class on Friday August 10th</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 %</td>
<td>Exam 2</td>
<td>In-class on Friday August 24th</td>
</tr>
<tr>
<td>15 %</td>
<td>Homework</td>
<td>3 Weekly Hw sets due on Mondays at 10 am</td>
</tr>
<tr>
<td>15 %</td>
<td>Quizzes</td>
<td>2 Quizzes on Friday August 3rd and Friday August 17th</td>
</tr>
</tbody>
</table>