Contact Information

Instructor: Morgan Schreffler
Office: 902 Patterson Office Tower
Office Hours: W 1:00-2:20, F 2:30-3:50, and by appointment
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Course Website: http://www.ms.uky.edu/~mschreffler/MA_109_Summer_2016.php

Course Information


Course Meetings: MTWRF 8:30-9:50 AM, CB 345 and MTR 1:00-2:20 PM, CB 347

Course Goals: This course is intended to prepare you for either MA113 (Calculus I), MA123 (Elementary Calculus), or MA137 (Calculus for Life Sciences). Throughout the semester we will cover the following material:

- The Real Number System
- Solving Equations
- The Cartesian Coordinate System
- Systems of Equations
- Inequalities
- Functions, including:
  - Exponential Functions
  - Logarithmic Functions
  - Polynomials
  - Rational Functions
- Applications of the above

Course Structure: Most weeks, we will have lecture in the mornings and workshop in the afternoons. These work as follows:

Lecture will work just like it would for any other class; I will introduce you to new material by walking through derivations and providing example problems.

Workshop is a problem session where you can get your hands dirty working with the material covered in lecture. Often this will take the form of completing problems in small groups. Sometimes groups may be asked to present a particularly interesting problem on the board. You will be able to choose your own groups, but I reserve the right to change groups on a whim with no explanation. Workshop is also often your chance to ask me questions about homework problems.

Depending on our pace, the schedule may not always work as described.
Expectations and Requirements

Homework: Mathematics is not a spectator sport. You cannot expect to learn math by simply sitting through lecture any more than you could expect to be a star athlete by simply watching other athletes play their sport. Math must be practiced every day. As such, problems from the textbook will be assigned on a daily basis. Three (3) days after they are assigned they will be collected and select problems will be checked for completeness. A list of homework problems (and which ones will be checked) will be maintained on the course website.

Graded Assignments Periodically, I will assign a small number of problems to collect and grade for correctness as well as completeness. You will be given at least three school days to complete these assignments.

Attendance and Professionalism As you are well aware, attendance is important, not to mention mandatory. In accordance with FSP policy, I will take attendance each class and report any absences to the CARES staff. Even more important than being physically present, however, is maintaining a professional attitude while present. Unprofessional behavior includes - but is not limited to - sleeping during class, talking out of turn or being rude, using electronic devices (other than a calculator) in class, and failing to participate in class discussions and activities.

Exams There will be two (2) regular exams given throughout the semester, and one final exam. The exams are tentatively scheduled for June 17, July 1, and July 15. The first two exams will not strictly be cumulative, but all mathematics is cumulative by nature, so expect to study old material as well as new when preparing for an exam. The final will be cumulative.

Grades: Course grades will be calculated as follows:

<table>
<thead>
<tr>
<th>Item</th>
<th>Points Possible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily Homework</td>
<td>100</td>
</tr>
<tr>
<td>Graded Assignments</td>
<td>50</td>
</tr>
<tr>
<td>Attendance/Professionalism</td>
<td>50</td>
</tr>
<tr>
<td>Exam 1</td>
<td>100</td>
</tr>
<tr>
<td>Exam 2</td>
<td>100</td>
</tr>
<tr>
<td>Final Exam</td>
<td>100</td>
</tr>
<tr>
<td>Total</td>
<td>500</td>
</tr>
</tbody>
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Academic Honesty: Math is a collaborative activity. Rarely do you see new math developed by a single individual. More often than not, it is the product of a collective effort by many mathematicians. As such, I strongly encourage you to work in groups. However, when you turn something in to me, it should be your work and ONLY your work. Working in a group to come up with a solution is acceptable. Everyone in the group turning in the exact same assignment word for word is not acceptable. Any and every act of plagiarism will be reported to CARES and will receive a grade of zero (0); The College of Arts and Sciences Plagiarism Policy can be found at [http://www.as.uky.edu/plagiarism-policy-procedures](http://www.as.uky.edu/plagiarism-policy-procedures).

Closing Remarks Please be respectful to me and to your fellow classmates. We are all in this together! For anything I have failed to mention, please refer to University or CARES Policy.

NOTE: The policies in this document are subject to change at any time!