Math 355 Course Information

**Prerequisite** Completion of Math 256, or completion of both Math 231 and Math 270/1.

**Required Text** Matrix Analysis and Applied Linear Algebra, by C. Meyer

**Course Content** Selected sections in Chapters 2-8 of the textbook.

**Course Objective** We will learn the fundamentals of linear algebra matrix theory and how these mathematical constructs can be used to solve problems in, e.g., numerical analysis, transform theory, signal processing, and others.

**Homework Policy** Problems will be assigned regularly. I encourage you to collaborate with each other when doing the homework problems; however, each person must hand in the solutions in his/her own writing and words. One of the goals in doing the homework is to not only further develop your problem-solving skills, but to improve your ability to communicate mathematics. I must receive a hard copy of the assignment at the beginning of the class period in which it is due. I will not accept an electronic copy, and I will not accept late assignments. If you will not be in class the day the homework is due because of a prearranged conflict, it is your responsibility to get the assignment handed in to me before you leave.

**Make-up Policy** There will be no make-ups.

**Grading Policy** The homework will be graded weekly. There will be a final exam. The points will be distributed as follows:

<table>
<thead>
<tr>
<th>Points</th>
<th>Homework</th>
<th>Final Exam</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td></td>
<td>100</td>
<td>600</td>
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The distribution of grades is not determined until the end of the semester. In a typical situation, the final distribution of grades will determine the cutoff point for A’s, B’s, etc. I can guarantee, however, that if your class average is 93 or better, then you will receive an A for the course.

**Attendance Policy** Your attendance is not mandatory; however, your likelihood of doing well is directly proportional to the number of lectures that you attend. If you decide not to attend, that is your business, but please do not then expect me to be sympathetic to your pleas for help the day before an exam is given.

**Electronic Gadget Policy** While you are free to use the technology of your choice while doing the homework problems, you will not be permitted to use any technology when taking an exam. The classroom is a No Cell Phone Zone. You are not to use your cell phone to make phone calls, receive phone calls, or text message. Any violation of this policy will result in the deduction of three points from your final class average.