SYLLABUS: Math 532, 736I
Modern Geometry
2:00 p.m.-3:15 p.m. on TTh in LeConte 405

Instructor:  Michael Filaseta
Office:  301 LeConte
Email:  filaseta@math.sc.edu (encouraged to use)
Office Phone Number:  777-6589
Office Hours:  9:00-10:30 a.m. on TTh and by appointment (but NOT 30 minutes before class)
Cell Phone Policy:  Please remember to turn off your cell phone prior to class.
Text Book:  None required. See notes at web link below.
Web Page for Course:  http://www.math.sc.edu/~filaseta/courses/Math532/Math532.html
Grading:  Attendance, Class Participation and Quizzes (15%)
          → (An additional essay is required for Math 736I and this 15%.) ←
          2 Tests (25% each)
          Cumulative Final (35%)
Date and Time of Final Exam:  Friday, May 1, 9:00 a.m.–12:00 noon
                               (No exceptions can be made in this scheduled time.)
Remarks:  •  There will be no make-up grades for this course.
          •  Calculators are not permitted on quizzes, tests, and the final exam.
          •  There are no exemptions for the final exam.
          •  The quizzes will be based on the homework. The quizzes will be announced unless it is the
             impression of the instructor that the homework is not being done by a significant number of the
             students. If at some point the instructor feels that the homework is not being done properly, he
             will announce in advance that future quizzes will be given unannounced.

Learning Outcomes:
Whether you are taking this course because of a genuine interest in learning the material or to help your
career goals or for some other reason, the following three outcomes are possible: (i) Students will master
concepts and be able to solve problems associated with the topic of Non-Euclidean Geometry, focusing
on axiomatic systems, finite projective planes, and finite affine planes, and with the use of vectors and
matrices to obtain results in Euclidean Geometry, in particular with results associated with translations and
rotations. (ii) Students will discover that they cannot or do not want to master these concepts - that their strengths and/or interests are different. (iii) Some combination of (i) and (ii).

Grading Scale:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Letter Grade</th>
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<tbody>
<tr>
<td>≥ 90</td>
<td>A</td>
</tr>
<tr>
<td>≥ 87 and &lt; 90</td>
<td>B⁺</td>
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<tr>
<td>≥ 80 and &lt; 87</td>
<td>B</td>
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<tr>
<td>≥ 77 and &lt; 80</td>
<td>C⁺</td>
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<tr>
<td>≥ 70 and &lt; 77</td>
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<tr>
<td>≥ 67 and &lt; 70</td>
<td>D⁺</td>
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<tr>
<td>≥ 60 and &lt; 67</td>
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<td>&lt; 60</td>
<td>F</td>
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