Analysis I

Syllabus

**Time & Place** 11.15-12.05 MWF, 412 BU

**Instructor:** Dr. Grozdena Todorova, office 330 Ayres Hall, phone: 974-4323, E-mail todorova@math.utk.edu

**Office Hours:** 12.30 - 1.20 MW, 10.20-11.10 F and by appointment, 330 Ayres Hall.


**Course goal:** This class provides an introduction to real analysis and a range of applications. The goal of the class is by using a friendly approach to fill the gap between the routine intuitive calculus manipulations of formulas to solve standard problems and the ability to think deductively, to analyze mathematical situations and to extend ideas to a new context.

**Homework:** Homework will usually be collected on Friday. Some of the homework problems will be put on the board by the students.

**Tests:** There will be two tests during the semester and a final exam. At least one week’s notice will be given. A review session is scheduled the class before each test.

**Composition of grade:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage of Total Grade</th>
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</thead>
<tbody>
<tr>
<td>Homeworks</td>
<td>15%</td>
</tr>
<tr>
<td>Each test</td>
<td>25%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>35%</td>
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**Class activity** can raise the grade up to 10%

**Grading scale:** 90% and above A, 89-86% B+, 85-80% B, 79-76% C+, 75-70% C, 69-60% D, 59% and below F.