**MATH 4031-1: Advanced Calculus I**

**Time:** Monday, Wednesday, and Friday 2:40–3:30

**Room:** Lockett 119

**Prerequisite**
Math 2057 and 2085; or equivalent

**Textbook**
L. Richardson: Advanced Calculus: Real Analysis with norms, July 30, 2007

**Coverage**
The first three chapters of the textbook will be covered.
1. Real numbers and limits of sequences
2. Continuous functions
3. Riemann integral

**Grading**

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework and attendance</td>
<td>230</td>
</tr>
<tr>
<td>Two 100-pt exams</td>
<td>200</td>
</tr>
<tr>
<td>Final exam</td>
<td>170</td>
</tr>
<tr>
<td><strong>Total score</strong></td>
<td><strong>600</strong></td>
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</tbody>
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**Tentative scale**

- **A** 520–600
- **B** 450–519
- **C** 380–449
- **D** 300–379
- **F** below 300

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