Theoretical Mathematics I
Math 0413 Fall 2011, CRN 25694

Class information

Classes and Recitations
This class is Mathematics 0413, CRN 25694,
Introduction to Theoretical Mathematics, class instructor George Sparling.
Recitation CRN 25695, instructor Jeremy Sivek.

- The classes are in CL 363,
  Mondays, Wednesdays and Fridays 1.00pm-1.50pm.
- The recitations are in Allen 106,
  Tuesdays and Thursdays, 1.00pm-1.50pm.
- The first class is on Monday August 29, 2011.
The first recitation is on Tuesday August 30th 2011.

Class Instructor: George Sparling

- Office: 609 Thackeray.
- Text/Phone: 1-412-576-1429.
- e-mail: gnilraps@gmail.com.
- Office hours: Mondays 2.30-3.30pm, Tuesdays 5.00-7.00pm, Wednes-
days 5.30-6.30pm and Fridays 2.30pm-3.30pm in the Math Lounge, 705
Thackeray, or by appointment.
Recitation Instructor: Jeromy Sivek

- **Office:** 521 Thackeray  
  **Phone:**  
- **e-mail:** jes147@pitt.edu.  
- **Office hours:**  

Class Schedule

- Every second week during the term, there will be a quiz or an exam during the Friday class.  
- Quizzes and exams will be open book.  
- Every week there will be a homework due in the Tuesday recitation.  

Quiz/Exam Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Type</th>
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</thead>
<tbody>
<tr>
<td>Friday September 9th</td>
<td>Quiz 1</td>
</tr>
<tr>
<td>Friday September 23th</td>
<td>Quiz 2</td>
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<tr>
<td>Friday October 7th</td>
<td>Exam 1</td>
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<tr>
<td>Friday October 21st</td>
<td>Quiz 3</td>
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<tr>
<td>Friday November 4th</td>
<td>Quiz 4</td>
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<tr>
<td>Friday November 18th</td>
<td>Exam 2</td>
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<tr>
<td>Friday December 9th</td>
<td>Quiz 5</td>
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<tr>
<td>Friday December 14th</td>
<td>Final Exam in class, 12.00pm-2.00pm</td>
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</tbody>
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Special needs

If you have need special accommodations during the course, you are encouraged to contact me and Disability Resources and Services, 140 William Pitt Union, 412-648-7890 or 412-383-7355 (TTY) as early as possible in the term.
W course requirement

This class counts for the Writing component of your degree. As such you will be required to demonstrate writing skill. Each week one homework problem will be designated as a W problem. You will solve this and have it graded as part of your ordinary homework by Jeromy. He may suggest editorial changes that you should make to clarify your argument. You are then free to edit it as you wish. Then near the end of term you will submit your best five such problems to George to be graded for writing skill, clarity and organization.

Grading

There are 14 homeworks, 5 quizzes, two midterms and a final exam during the term. Also this is a W course: each week one homework question will be designated as a W problem. The best five such problems will be graded for writing skill, clarity and organization.

Grading Scheme

- Best 12 homeworks at 20 points each 240pts
- Best 4 quizzes at 30 points each 120pts
- Two midterm examination at 120 points each 240pts
- One final examination at 200 points 200pts
- Best five W problems at 20 points each 100pts
- Maximum Possible Score 900pts

Grading is curved and based on your total score only, provided you pass the final.
If you pass the final, grading will be in the A+ to B- range, unless your other work is severely lacking.
If you fail the final, grading will be in the range C+ to F.

Textbook and Syllabus

- Text
  The text for this course is:
  Basic Analysis,
  by Jiri Lebl
  download the free pdf version from http://www.math.pitt.edu/~frank/pittal2121.pdf
• Syllabus
  We shall cover the first two chapters and some appendices in detail.