Mathematics

MATH 444  Elementary Real Analysis  credit: 3 OR 4 hours.
Careful treatment of the theoretical aspects of the calculus of functions of a real variable intended for those who do not plan to take graduate courses in Mathematics. Topics include the real number system, limits, continuity, derivatives, and the Riemann integral. 3 or 4 undergraduate hours. 3 or 4 graduate hours. Credit is not given for both MATH 444 and either Math 424 or MATH 447. 4 hours of credit requires approval of the instructor and department with completion of additional work of substance. Prerequisite: MATH 241; MATH 347 or MATH 348, or equivalent.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>66403</td>
<td>Lecture-Discussion</td>
<td>B13</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
<td>441 - Altgeld Hall</td>
<td>Mortensen, K</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
Early registration in this section is restricted to approved Math cohort students from Spring 2018 Math 347 C2M and Math 416 E13, as well as students from Fall 2017 Math 347 C2M and Math 417 D13. Any remaining open seats will be made available to all math majors on April 18, 2018, and to all students on April 24, 2018. Students who were part of those cohorts should email mathadvising@illinois.edu with name, 9-digit UIN, and cohort they were in, such as SP18 416 E13.

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Credit Hours: 4 hours
Instructor Approval Required
Restricted to Graduate - Urbana-Champaign.
Graduate students requesting the 4 credit hour section must first register for the 3 hour section. If the instructor is willing to offer extra work to graduate students for the 4-hour section, students can get an approval form from 313 Altgeld Hall between the first day of the semester and the 8th week of the semester.

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<tr>
<td>32129</td>
<td>Lecture-Discussion</td>
<td>C13</td>
<td>10:00 AM - 10:50 AM</td>
<td>MWF</td>
<td>145 - Altgeld Hall</td>
<td>Nikolaev, I</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
This course is restricted to Mathematics, Math&CS, and Stat&CS majors initially, but the restriction will be removed during business hours on April 17, 2018. Current Statistics majors may consult with the Statistics advisor to determine whether they are eligible for an override before the restriction-remove date.

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<tr>
<td>32125</td>
<td>Lecture-Discussion</td>
<td>E13</td>
<td>01:00 PM - 01:50 PM</td>
<td>MWF</td>
<td>241 - Altgeld Hall</td>
<td>Nikolaev, I</td>
</tr>
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</table>

Credit Hours: 3 hours
This course is restricted to Mathematics, Math&CS, and Stat&CS majors initially, but the restriction will be removed during business hours on April 17, 2018. Current Statistics majors may consult with the Statistics advisor to determine whether they are eligible for an override before the restriction-remove date.
### 32127
- **Lecture-Discussion**
- **E14**
- **01:00 PM - 01:50 PM**
- **MWF**
- **241 - Altgeld Hall**
- **Nikolaev, I**

Credit Hours: 4 hours  
Instructor Approval Required  
Restricted to Graduate - Urbana-Champaign.  
Graduate students requesting the 4 credit hour section must first register for the 3 hour section. If the instructor is willing to offer extra work to graduate students for the 4-hour section, students can get an approval form from 313 Altgeld Hall between the first day of the semester and the 8th week of the semester.

### 32132
- **Lecture-Discussion**
- **M13**
- **09:30 AM - 10:50 AM**
- **TR**
- **143 - Altgeld Hall**
- **Hinkkanen, A**

Credit Hours: 3 hours  
This course is restricted to Mathematics, Math&CS, and Stat&CS majors initially, but the restriction will be removed during business hours on April 17, 2018. Current Statistics majors may consult with the Statistics advisor to determine whether they are eligible for an override before the restriction-remove date.

### 32134
- **Lecture-Discussion**
- **M14**
- **09:30 AM - 10:50 AM**
- **TR**
- **143 - Altgeld Hall**
- **Hinkkanen, A**

Credit Hours: 4 hours  
Instructor Approval Required  
Restricted to Graduate - Urbana-Champaign.  
Graduate students requesting the 4 credit hour section must first register for the 3 hour section. If the instructor is willing to offer extra work to graduate students for the 4-hour section, students can get an approval form from 313 Altgeld Hall between the first day of the semester and the 8th week of the semester.