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.

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<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>39056</td>
<td>Online</td>
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<td>ARRANGED -</td>
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<td>McCarthy, R</td>
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Credit Hours: 3 hours
This is an online course featuring video lectures and online lecture notes through Moodle. No additional textbook has to be purchased. Students must be able to print out assignments, write out solutions, then scan their written work and upload it to Moodle to meet set deadlines. This course requires multiple paper-based exams that will be administered online, see https://netmath.illinois.edu/exam-proctoring for exam information. A 16-week self-paced version of this class will also be available as part of the academic year term (not summer term). Registration for the self-paced class is done through https://netmath.illinois.edu/register/college (not Self-Service). Please contact mathadvising@illinois.edu with any questions

31124  | Online | ONM     | ARRANGED - |      | -        | McCarthy, R |

Credit Hours: 4 hours
Departmental Approval Required
Restricted to Graduate - Urbana-Champaign.
This 4-hour section is restricted to graduate students only. Additional work of substance is required for this section, as assigned by the instructor. To request approval to register, please email rmccrthy@illinois.edu with "Summer Math 444 4-hour request" in the subject line, and include name, netid, UIN, and reason for needing to take the class for 4 hours.