Mathematics

MATH 441  Differential Equations  credit: 3 OR 4 hours.
Basic course in ordinary differential equations; topics include existence and uniqueness of solutions and the general theory of linear
differential equations; treatment is more rigorous than that given in MATH 285. 3 or 4 undergraduate hours. 3 or 4 graduate hours.
Credit is not given for both MATH 441 and any of MATH 284, MATH 285, MATH 286. 4 hours of credit requires approval of the
instructor and completion of additional work of substance. Prerequisite: MATH 241; MATH 347 or MATH 348 is recommended.

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<tr>
<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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<tr>
<td>39529</td>
<td>Online</td>
<td>ONL</td>
<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 must be taken with an approved proctor. Exams may
be taken on- or off-campus. For summer proctoring options see https://netmath.illinois.edu/summerproctor. Off-campus proctors
must be able to scan completed exams and email them to NetMath for grading, as well as mailing the paper exam back for archival
purposes. Students who will be on campus during Summer Session 2 are encouraged to select the on-campus section of this
course. 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.