## Summary of Changes

**Course Title, Course Description, Corequisites, Restrictions**

### Current Data

<table>
<thead>
<tr>
<th>Program Affected?</th>
<th>Y</th>
</tr>
</thead>
</table>

### Subject/Course/Term

- MATH 263
  - one term

### Credit Weight or CEU's

- 3 credits.

### Course Activities

- A - Lecture
- OT - Optional Tutorial
- T - Tutorial

### Course Title

<table>
<thead>
<tr>
<th>Course Title on Transcript</th>
<th>ODEs and Linear Algebra</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Title on Calendar</td>
<td>Ordinary Differential Equations and Linear Algebra.</td>
</tr>
</tbody>
</table>

### Course Title on Transcript

| Course Title on Calendar  | Ordinary Differential Equations. |

### Rationale

The revised course title and course description accurately reflect proposed changes to the course curriculum. The changes are intended to improve the coherence of the course sequence and to ease transfer of credit for students transferring to and from Engineering and Science. MATH 260 has not been offered since 2004, so should be removed from the corequisites. MATH 261 has not been offered since 2004, so should be removed from the restriction. *This course is listed in the required courses for B.Eng. Chemical Engineering, B.Eng.
<table>
<thead>
<tr>
<th>Responsible Instructor</th>
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</thead>
<tbody>
<tr>
<td><strong>Course Description</strong></td>
<td>First Order ODEs. Second and higher order linear ODEs. Laplace Transforms. Linear Algebra: introduction to vector spaces, linear transformations, diagonalization of matrices (in particular symmetric matrices), applications to linear systems of differential equations.</td>
</tr>
<tr>
<td><strong>Teaching Dept.</strong></td>
<td>0290 : Mathematics and Statistics</td>
</tr>
<tr>
<td><strong>Administering Faculty/Unit</strong></td>
<td>EN : Faculty of Engineering</td>
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<tr>
<td><strong>Prerequisites</strong></td>
<td></td>
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<tr>
<td><strong>Corequisites</strong></td>
<td>Corequisite: MATH 262 or MATH 260.</td>
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<td><strong>Corequisite: MATH 262.</strong></td>
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<tr>
<td><strong>Restrictions</strong></td>
<td>• Restrictions: Open only to students in the Faculty of Engineering. Not open to students taking or having taken MATH 261, MATH 315, or MATH 325.</td>
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<tr>
<td><strong>Restrictions: Open only to students in the Faculty of Engineering. Not open to students who are taking or have taken MATH 315 or MATH 325.</strong></td>
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<tr>
<td><strong>Supplementary Calendar Info</strong></td>
<td>1. (3-1-5)</td>
</tr>
<tr>
<td><strong>Additional Course Charges</strong></td>
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<tr>
<td><strong>Campus</strong></td>
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<td><strong>Projected Enrollment</strong></td>
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<tr>
<td><strong>Requires Resources</strong></td>
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<tr>
<td><strong>Not Currently Available</strong></td>
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<td><strong>Explanation for Required Resources</strong></td>
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<tr>
<td><strong>Consultation Reports Attached?</strong></td>
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<tr>
<td><strong>Effective Term of Implementation</strong></td>
<td>201001</td>
</tr>
<tr>
<td><strong>File Attachments</strong></td>
<td>No attachments have been saved yet.</td>
</tr>
<tr>
<td>Version No.</td>
<td>Departmental Curriculum Committee</td>
</tr>
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<tr>
<td>1</td>
<td>Approved Jacques Claude Hurtubise</td>
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