

Revision for MATH 263

Proposal Reference : 1165
 Number
 PRN Alias : 09-10#118
 Version No : 1
 Submitted By : Ms Amber Louise Saunders

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Summary of Changes **Course Title, Course Description, Corequisites, Restrictions**

	Current Data	New Data								
Program Affected?		Y								
Program Change Form Submitted?		N (Simple Change) - Please change the course title in the "Required Courses" list for B.Eng. Chemical Engineering, B.Eng. Civil Engineering, B.Eng. Computer Engineering, B.Eng. Electrical Engineering, B.Eng. Honours in Electrical Engineering, B.S.E. Software Engineering, B.Eng. Mechanical Engineering, B.Eng. Honours in Mechanical Engineering, B.Eng. Materials Engineering Co-op, and B.Eng. Mining Engineering Co-op.								
Subject/Course/Term	MATH 263 <ul style="list-style-type: none"> • one term 									
Credit Weight or CEU's	3 credits.									
Course Activities	<ul style="list-style-type: none"> • A - Lecture • OT - Optional Tutorial • T - Tutorial 									
Course Title	<table border="1"> <tr> <td>Course Title on Transcript</td> <td>ODEs and Linear Algebra</td> </tr> <tr> <td>Course Title on Calendar</td> <td>Ordinary Differential Equations and Linear Algebra.</td> </tr> </table>	Course Title on Transcript	ODEs and Linear Algebra	Course Title on Calendar	Ordinary Differential Equations and Linear Algebra.	<table border="1"> <tr> <td>Course Title on Transcript</td> <td>Ordinary Diff. Equations</td> </tr> <tr> <td>Course Title on Calendar</td> <td>Ordinary Differential Equations.</td> </tr> </table>	Course Title on Transcript	Ordinary Diff. Equations	Course Title on Calendar	Ordinary Differential Equations.
	Course Title on Transcript	ODEs and Linear Algebra								
Course Title on Calendar	Ordinary Differential Equations and Linear Algebra.									
Course Title on Transcript	Ordinary Diff. Equations									
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.								

		Computer Engineering, B.Eng. Civil Engineering, B.Eng. Electrical Engineering, B.Eng. Honours in Electrical Engineering, B.S.E. Software Engineering, B.Eng. Mechanical Engineering, B.Eng. Honours in Mechanical Engineering, B.Eng. Materials Engineering Co-op, and B.Eng. Mining Engineering Co-op. Wording changed slightly in restriction.		
Responsible Instructor				
Course Description	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.	First order ODEs. Second and higher order linear ODEs. Series solutions at ordinary and regular singular points. Laplace transforms. Linear systems of differential equations with a short review of linear algebra.		
Teaching Dept.	0290 : Mathematics and Statistics			
Administering Faculty/Unit	EN : Faculty of Engineering			
Prerequisites				
Corequisites	Corequisite: MATH 262 or MATH 260.	Corequisite: MATH 262. <table border="1" data-bbox="959 989 1341 1041"> <tr> <td>Web Registration Blocked? :</td> <td>N</td> </tr> </table>	Web Registration Blocked? :	N
Web Registration Blocked? :	N			
Restrictions	<ul style="list-style-type: none"> 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. 	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.		
Supplementary Calendar Info	1. (3-1-5)			
Additional Course Charges				
Campus				
Projected Enrollment				
Requires Resources Not Currently Available				
Explanation for Required Resources				
Consultation Reports Attached?				
Effective Term of Implementation		201001		
File Attachments		No attachments have been saved yet.		

To be completed by the Faculty		
For Continuing Education Use		

Approvals Summary

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Version No.	Departmental Curriculum Committee	Departmental Meeting	Departmental Chair	Other Faculty	Curric/Academic Committee	Faculty	SCTP	Version Status
1		Approved Jacques Claude Hurtubise Meeting Date: Nov 02 2009 Approval Date: Nov 5 2009 View Comments	Approved Jacques Claude Hurtubise Meeting Date: Nov 05 2009 Approval Date: Nov 5 2009 View Comments					Approved by Departmental Chair Created on: Sep 19 2009