		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. Web Registration Blocked? : N
Restrictions	• 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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