



Division: Instructional

Effective Date: June 30, 2002

Department / Program Area: Math

Revision New Course

If Revision, Section(s) Revised: F,G,M,N,O,P,Q

Date of Previous Revision: May 1994

Date of Current Revision:

Math 421 : Introduction to Differential Equations 3

Subject & Course No.	Descriptive Title	Semester Credits
<p>Calendar Description: Calendar Description: This is a first course in ordinary differential equations. Topics include the theory and applications of linear and non-linear ordinary differential equations (ODE's) and systems of ODE's. Formal solution methods are investigated as well as power series, Laplace transform, matrix and numerical/computer methods. Qualitative and asymptotic properties of an equation or system are studied by way of phase plane and/or stability analysis.</p>		
<p>Allocation of Contact Hours to Type of Instruction / Learning Settings</p> <p>Lecture 3 – 4 hours/week Tutorial/Lab 0 – 1 hours/week</p>	<p>Course Prerequisites: Math 220 and Math 232 or special permission</p>	
<p>Primary Methods of Instructional Delivery and/or Learning Settings:</p>	<p>Course Corequisites: None</p>	
<p>Number of Contact Hours: (per week / semester for each descriptor)</p> <p>4</p>	<p>Course for which this Course is a Prerequisite</p> <p>None</p>	
<p>Number of Weeks per Semester:</p> <p>15</p>	<p>Maximum Class Size: 35</p>	
<p>PLEASE INDICATE</p>		
<p>Non-Credit</p>	<p>SFU 310(3)</p>	<p>Uvic 201(1.5)</p>

Means of Assessment

Quizzes	0 – 40 %
Term Tests	20 – 70 %
Assignments	0 – 20 %
Computer Labs	0 – 20 %
Attendance	0 – 5 %
Class Participation	0 – 5 %
Final Examination	30 – 40 %

Prior Learning Assessment and Recognition: specify whether course is open for PLAR

None