

Applied Mathematics 307

Differential Equations for Engineers

(see Section 3.5C of Faculty of Science www.ucalgary.ca/pubs/calendar/current/sc-3-5.html
and Course Descriptions: <http://www.ucalgary.ca/pubs/calendar/current/course-main.html>)

Syllabus

<u>Topics</u>	<u>Number of hours</u>
Introduction: definitions, existence, uniqueness	1
First order equations, applications	8
Systems, applications to second and fourth order equations	10
Laplace transforms	4
Series, Taylor series	9
Series solutions to second order ordinary differential equations	4
TOTAL HOURS	36

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98.06.11 Effective: Fall 1998
prereq change Fall 2008
WEC.jlong