

**GRANDE PRAIRIE REGIONAL COLLEGE
DEPARTMENT OF SCIENCE**

COURSE: MA1010 Engineering Calculus Winter 2011

Instructor: Dallas Sawtell
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Prerequisite: MA1000

Textbooks: Calculus Early Transcendentals by James Stewart

Description: Ch 6-11, 13: Volumes, arc lengths, surface areas, techniques of integration including by parts, trigonometric substitution, partial fractions and improper integrals, differential equations including separable and linear, Laplace Transforms, parametric curves, sequence and series including convergence and divergence, infinite, power and Taylor series, vector functions and motion in space.

Credit/Contact Hours: (3,1,0) 3.5 credits

Delivery Mode: Lecture M W F 9:00-10:00 J228
Seminar F 10:00-11:00 J228

A worksheet will be given out that must be handed in by the end of the seminar for marking.

Transfer: See GPRC Calendar and www.acat.gov.ab.ca
**** Grade of D or D+ may not be acceptable for transfer to other post secondary institutions and will not meet the prerequisite requirements for other math courses.** Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability.

Grading Criteria:	Worksheets	10%
	Quizzes	15
	Midterm	25%
	Final Exam	50%

Grading Scheme:	A+	4.0	95-100%
	A	4.0	90-94%
	A-	3.7	85-89%
	B+	3.3	80-84%
	B	3.0	75-79%
	B-	2.7	70-74%
	C+	2.3	66-69%
	C	2.0	62-65%
	C-	1.7	58-61%
	D+	1.3	55-57%
	D	1.0	50-54%
F	0.0	0-49%	

Examinations:

Quizzes: Quizzes will be held every other Monday starting Jan. 10. Quizzes can not be made up if missed.

Midterm: If the midterm is missed with a good reason, the weight will be put on the final (ie. the final will be worth 75%). A doctors note will be required. The midterm will be on Wednesday, Feb. 16.

Finals: Finals are held from April 14 to April 27 inclusive (including **ALL** Saturdays and evenings **including Easter**). Writing finals early is not permitted. A doctor's note is required if you have to miss a final.

Calculators: The use of calculators is not permitted on the quizzes or exams.

Plagarism and Cheating: See Calendar regarding penalties.