



DEPARTMENT OF SCIENCE

MA2150 INTERMEDIATE CALCULUS II – 3(3, 1, 0) UT 60 HOURS

WINTER 2012

INSTRUCTOR: Thomas Kaip
OFFICE: J218

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OFFICE HOURS: TBA

PREREQUISITE(S)/COREQUISITE: MA2140

REQUIRED TEXTS: Single and Multivariable Calculus; James Stewart 6th Ed.

CALENDAR DESCRIPTION: The course includes first and second order linear differential equations with constant coefficients; curves, tangent vectors, arc length, integration in two and three dimensions, polar, cylindrical and spherical coordinates, line and surface integrals; Green's, divergence and Stoke's theorems.

CREDIT/CONTACT HOURS: (3-1-0) 3 credits

DELIVERY MODE(S): Lecture: A3 M W F 08:30-09:20 J228
Seminars: S1 F 10:00-10:50 J226

TRANSFERABILITY: See www.gprc.ab.ca and www.acat.gov.ab.ca

**** Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions and may 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:

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	4-point Equivalent	Percentage Guidelines	Designation
A ⁺	4.0	95 – 100	EXCELLENT
A	4.0	90 – 94	
A ⁻	3.7	85 – 89	FIRST CLASS STANDING
B ⁺	3.3	80 – 84	
B	3.0	75 – 79	GOOD
B ⁻	2.7	70 – 74	
C ⁺	2.3	66 – 69	SATISFACTORY
C	2.0	62 – 65	
C ⁻	1.7	58 – 61	
D ⁺	1.3	55 – 57	MINIMAL PASS
D	1.0	50 – 54	
F	0.0	0 – 49	FAIL
WF	0.0	0	FAIL, withdrawal after the deadline

EVALUATIONS: Assignments 10%
 Quizzes 15%
 Midterm 25% TBA
 Final Exam 50% April 16-26 inclusive including Saturdays and evenings

STUDENT RESPONSIBILITIES: Students are responsible for all lecture material, labs and readings. Students are expected to practice the material by doing problems from the textbook. Assignments are not accepted if handed in late. If the midterm is missed due to illness the weight will be put on the final (ie. the final will be worth 75%). If the final is missed due to illness it will be deferred (see calendar for information). A doctor's note and a phone message or email will be required in both cases.

STATEMENT ON PLAGIARISM AND CHEATING: Refer to the Student Conduct section of the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at www.gprc.ab.ca/about/administration/policies/**

**Note: all Academic and Administrative policies are available on the same page.

COURSE SCHEDULE: Chapters 10, 14, 16, 17, 18

NOTE: Some sections in these chapters will be omitted.