University of Lethbridge
Department of Mathematics and Computer Science
Mathematics 1560(A,B) • Calculus I
Course Outline • Spring 2001

LECTURES:	TTh 9:25-10:40(A), 1:40-2:55(B)	Room: TH201(A,B)
TUTORIALS:	Tutorial 1 M 11:00–11:50	Room: D511
	Tutorial 2 M 12:00–12:50	Room: D511
	Tutorial 3 M 14:00–14:50	Room: E519
	Tutorial 4 M 15:00–15:50	Room: E519
INSTRUCTOR:	Hadi Kharaghani	Office: D540
HELP SESSIONS:	Wednesday, 7:00–10:00 p.m.	Room: PE256
ACADEMIC ASSISTANT:	Joan Blair	Office: D546
TEXT:	*Calculus*, by James Stewart, fourth edition, Brooks/Cole, 1999	

GRADING:	Homework/Quizzes	15%	
	Midterm Exam	35%	Thursday Feb. 15, class time
	Final Exam	50%	April 23, 2–5(A), April 26, 2–5(B)

Attendance: It is not easy to learn mathematics from a book or notes. Past experience has proven that only **those who attend the lectures regularly find the course easy and enjoyable**. You are paying for this course, so get full benefits by attending the lectures etc. regularly.

PROJECTED TEACHING OUTLINE

Week	Sections of the text
1	Review of inequalities
2	Functions
3	Limits
4	Limits
5	Continuity
6	Derivatives
7	Derivatives
8	Derivatives
9	Applications of the differentiation
10	Applications of the differentiation
11	Integrals
12	Integrals
13	Integrals
14	Review

ASSIGNMENTS

The assignment component of your final grade is determined by the average on your ten assignments. Each assignment is due at classtime on the day specified. Assignments may be turned in early, **but cannot be accepted late**. Please submit the assignments on **standard, left-corner stapled papers**. **Please do not use paper clips, etc.**.

Number	Due Date	Recommended problems	Problems to hand in
1	Jan. 18	Page A9, #36, 38, handout	Page A9, #34, 35, handout
		Page 23, #21, 28, 33, 44, 63	Page 23, #22, 25, 35, 38, 40, 53
2	Jan. 25	Page 47, #18, 24, 27	Page 47, #18, 24, 23
		Page 48, #41, 58	Page 48, #36, 46, 64
		Page 82, #5, 14, 25	Page 82, #7, 20
		Page 92, #7, 27, 35	Page 92, #5, 22, 36
3	Feb. 01	Page 92, #44, 50, 58	Page 92, #38, 40, 42, 45, 57
		Page 113, #6, 19, 39, 48, 57	Page 113, #11, 18, 38, 44, 58Bonus
4	Feb. 08	Page 134, #7, 15, 22, 33	Page 134, #8, 16, 21, 34
		Page 156, #13, 39, 49, 50, 75	Page 156, #24, 37, 65, 68, 83
		Page 167, #7, 11, 13	Page 167, #12, 14
5	Mar. 01	Page 175, #9, 10, 41, 42, 45	Page 175, #12, 20, 22, 36, 38, 44
		Page 183, #41, 45, 52	Page 183, #40, 42, 51
		Page 190, #9, 20, 36, 37	Page 190, #10, 22, 26
		Page 196, #35	Page 196, #34Bonus
6	Mar. 08	Page 203, #7, 11, 15	Page 203, #5, 9, 13
		Page 211, #12, 31	Page 211, #11, 12, 13
		Page 230, #31, 37, 57, 70	Page 230, #30, 38, 58, 71
7	Mar. 15	Page 238, #4, 18, 19, 21	Page 238, #6, 17, 20, 33
		Page 247, #22, 29, 32, 23, 24	Page 247, #21, 30, 31, 38, 30, 58
8	Mar. 22	Page 260, #13, 18, 49, 53, 55	Page 260, #14, 16, 17, 48, 51
		Page 270, #12, 13, 17	Page 270, #10, 14, 18
		Page 282, #9, 17, 25, 29	Page 282, #11, 19, 27, 31
9	Mar. 29	Page 304, #9, 30, 32, 33	Page 304, #13, 34, 36, 37
		Page 335, #21, 26, 34, 38	Page 335, #22, 25, 35, 36, 63, 64
10	Apr. 05	Page 344, #12, 42, 46	Page 344, #11, 43, 44
		Page 361, #9, 14, 27, 32, 50, 54	Page 361, #15, 16, 23, 24, 28, 49, 53