
University of Lethbridge
Department of Mathematics and Computer Science
Mathematics 2560A • Calculus II
Course Outline • Spring 2000

LECTURES:	TR 9:25-10:40	Room: D634
TUTORIALS:	Tutorial 1 F 9:00–9:50 A.M.	Room: D511
	Tutorial 2 F 11:00–11:50 A.M.	Room: D511
	Tutorial 3 F 1:00–1:50 P.M.	Room: D511
INSTRUCTOR:	Hadi Kharaghani	Office: D540
HELP SESSION:	Wednesdays, 6:00–10:00 p.m.	Room: PE256
ACADEMIC ASSISTANT:	Joan Blair	Office: D546
TEXT:	<i>Calculus</i> , 3rd or fourth edition by J. Stewart	
METHOD OF EVALUATION:	Homework	15%
	Midterm Exam	35% Thursday, Feb. 17, 2000, 9:25-10:40
	Final Exam	50% Friday April 20, 2000, 2:00–4:00

Attendance: It is not easy to learn mathematics by reading a book. From past experience, **those who attend the lectures regularly find the course very easy and enjoyable.**

PROJECTED TEACHING OUTLINE

Week	Sections of the text
1	Areas between curves
2	Volumes, Volumes by cylindrical shells
3	Work, Inverse functions
4	The natural logarithmic function, The natural exponential functions
5	Inverse trig. functions
6	Exam week, review
7	Hyperbolic functions, Indeterminate forms
8	Techniques of integration
9	Techniques of integration
10	Techniques of integration
11	Techniques of integration
12	Approximate integration, Improper integrals
13	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..**

<u>Number</u>	<u>Due Date</u>	<u>Problems from 3rd edition</u>	<u>Problems from 4th edition</u>
1	Jan. 20	Page 313, #8,14,16,22,53 Page 324, #6,18,31,54,60	Page 376, #8,16,18,22,49 Page 387, #6,24,31,52,58
2	Jan. 27	Page 330, #8,11,18,25,38 Page 334, #16 Page 350, #10,16,30,40(a),40(b)B	Page 392, #6,11,17,23,40 Page 397, #16 Page 414, #14,28,44,50(a),50(b)B
3	Feb. 3	Page 383, #8,10,22,30,36,64,76,83B,87 Page 389, #11,31,38,44,66	Page 452, #8,10,18,28,29,60,72,81B,85 Page 458, #7,37,42,46,70
4	Feb. 10	Page 396, #8,26,30,34,43 Page 411, #13,18,32,42,56,82,100B	Page 467, #10,28,32,34,41 Page 476, #7,10,22,30,38,62,80B
5	Mar. 2	Page 418, #2,8,12,36,44,52,56,64B Page 427, #4,10,14,22,50,56,66,96B,98	Page 483, #2,8,12,38,44,56,60,64B Page 493, #8,14,24,28,50,56,64,92B,94
6	Mar. 9	Page 441, #8,18,28,29,38,42,44B,52,54 Page 448, #9,13	Page 508, #6,18,24,19,38,42,44B,52,54 Page 516, #11,15
7	Mar. 16	Page 448, #17,20,21,36,44,54,56,60,62B Page 454, #10,24,28,30	Page 516, #19,22,23,38,44,58,60,64,66B Page 522, #10,26,30,32
8	Mar. 23	Page 463, #24,30,34,43,60,66B Page 472, #28,30,63	Page 532, # 20,24,26,31,56,66B Page 538, #42,48,75
9	Mar. 30	Page 472, #66,74 Page 486, #14,26 Page 495, #14,26,28,30,38,44,74B	Page 538, #56,68 Page 555, #18,28 Page 565, #16,26,28,30,36,42,78B
10	Apr. 6	Page 519, #8,20,24,30 Page 524, #4,14,18,21 page 531, #15,12,30B	Page 580, #8,22,26,32 Page 586, #8,16,22,27 Page 597, #27,26,42B