

Syllabus for Math 151A

Calculus I

Edmonds Community College
Spring 2008 • 5 credits
MTWThF 9:30a–10:20a • SQL 201

Instructor: Jeff Eldridge

Office: ALD 273
Office Hours: MTWThF 11:30a–12:20p
Phone: 425-640-1434
E-mail: jeeldridg@edcc.edu
Web: <http://math.edcc.edu/eldridge>

About This Course: Math 151 is the first course in a four-quarter calculus sequence that includes Math 152, Math 153 and Math 251. Math 151 focuses on the derivative and its applications. Topics include: limits; differentiation of algebraic, exponential, logarithmic, trigonometric and inverse trigonometric functions; minimization and maximization of functions; related rates; and applications. A complete list of course objectives may be found at: <http://tinyurl.com/36xg7v>

Prerequisite: Math 132 with a 2.0 or better, or placement into Math 151 via Accuplacer.

Text: *Calculus: Early Transcendentals*, Jon Rogawski, Chapters 1–4. The solutions manual is not required; it can be found on reserve in the EdCC Library and the Learning Support Center.

Calculator: A graphing calculator (such as a TI-83 or TI-84) is required. These calculators (but not computers, PDAs, cell phones, calculators such as the TI-89 capable of symbolic manipulation, or any other electronic device) may be used during in-class exams. You must use your own calculator during exams; no sharing is allowed.

Attendance: You are expected to attend every class, but attendance will not be taken.

Homework: A list of assigned problems may be found on the reverse side of this document; this list is subject to change as the quarter progresses. This represents the *minimum* number of exercises that you should work in order to gain an understanding of the material. It is expected that you will work all of these exercises and ask questions in class or during office hours about any you do not understand.

Activities: Throughout the quarter there will be a number of class activities, each worth 5 points. These may take the form of (unannounced) in-class quizzes, in-class worksheets, take-home quizzes and/or some combination of these. To receive credit, you must be in attendance for in-class work and turn in take-home work by the stated deadline (usually the beginning of the next class). The best 20 scores will be used to compute your course grade.

Exams: There will be three midterm exams, the lowest of which will be dropped to compute your course grade.

Final Exam: Wednesday, June 18, 9:30a–11:20a. The exam, worth 100 points, will be comprehensive.

Grading: There are 300 points possible in this course. If you earn 95% or more, you will receive a 4.0; 70% corresponds to a 2.0 and 54% to a 0.7; 53% or lower will result in a 0.0; grades between 0.7 and 4.0 will be assigned using a linear scale (e.g., 82.5% corresponds to a 3.0). The V and I grades will be assigned only in extraordinary circumstances, and only if the student is passing the class as of the withdrawal deadline (May 27). It is your responsibility to withdraw from the course prior to May 27 if you do not wish to receive a numerical grade.

Academic Dishonesty: You are expected to do all of your own work on exams and quizzes. Any cheating will be reported to the Senior Associate Dean for Student Success and Retention, and any other appropriate actions will be taken (including, at a minimum, assigning a score of 0 for the exam or quiz in question).

Disability Accommodations: If you require an accommodation for a disability, please contact Services for Students with Disabilities (425-640-1320, ssdmail@edcc.edu).

Emergency Closure: In case of inclement weather, visit <http://schoolreport.org> or call 425-640-1459.

Tentative HW and Exam Schedule

Week	Day	Date	Section	Assigned HW	
1	M	April	7	1.6	31–34, 38–41
			1.7	1–7, 9–21 odd	
	T	8	2.1	1, 5, 6, 9–15 odd, 19, 23, 25, 29	
	W	9	2.2	1, 5, 7, 8, 13–37 eoo, 39, 43, 45, 49, 51	
	Th	10	2.3	5, 13, 17, 25–31 odd	
	F	11	2.4	2–4, 7–23 eoo, 25, 29, 33, 37–53 odd, 57–81 eoo, 83	
2	M	14	2.5	1–33 odd	
	T	15	2.5	33–51 eoo	
	W	16	2.6	1–45 eoo	
	Th	17	2.7	1–23 odd	
	F	18	2.8	1, 5, 9, 13, 19, 23	
3	M	21		Review	
	T	22		Exam	
	W	23	3.1	1, 5, 9, 11–15, 21, 23, 27, 33, 39, 41, 43, 45, 53, 55, 59, 63	
	Th	24	3.2	7–55 odd	
	F	25	3.2	71, 75, 79–87 odd	
4	M	28	3.3	1–37 odd, 45, 49–52	
	T	29	3.4	1, 7, 9, 13, 23, 27, 31, 33, 35, 39, 47	
	W	30	3.5	1–37 eoo, 39, 52, 53	
	Th	May 1	3.6	1–43 odd	
	F	2		No Class	
5	M	5	3.7	3–21 odd	
	T	6	3.7	25–69 eoo, 71–85 odd	
	W	7	3.8	1–25 eoo, 27–35 odd, 45, 51	
	Th	8	3.9	1–17 eoo, 19–37 odd	
	F	9		No Class	
6	M	12	3.10	1–19 odd, 23–41 eoo	
	T	13	3.10	43, 45, 47, 51–75 eoo	
	W	14		Review	
	Th	15		Exam	
	F	16	3.11	1–29 odd	
7	M	19	3.11	31–39 odd, 43	
	T	20	4.1	1–25 eoo, 31, 41–53 odd, 57, 63	
	W	21	4.2	1–23 odd	
	Th	22	4.2	27–67 eoo, 75, 77	
	F	23	4.3	1–25 odd	
8	M	26		No Class	
	T	27	4.3	29–61 eoo	
	W	28	4.4	1, 2, 4–7, 9–19 odd, 23–53 eoo, 55, 59	
	Th	29	4.5	1, 9, 11, 13–45 eoo	
	F	30	4.5	51–71 eoo, 73, 77–89 eoo	
9	M	June 2		Review	
	T	3		Exam	
	W	4	4.6	1–39 odd	
	Th	5	4.6	41–63 odd	
	F	6	4.7	1–37 eoo	
10	M	9	4.7	41–61 eoo, 63	
	T	10	4.8	1–9 odd, 13, 17	
	W	11	4.9	1–39 odd	
	Th	12	4.9	41–77 odd	
	F	13		Review	
11	M	16		Review	
	T	17		No Class	
	W	18		Exam	

This schedule (dates as well as assigned exercises) is subject to change; changes will be announced in class. In addition to the exercises listed above, you should work all of the Preliminary Questions from each section.