

Ma 122 Calculus 1B: Integral Calculus							
Syllabus: 2012F-2							
Text: Stewart, Calculus: Concepts & Contexts, 4e							
No.	Date	Topics	Text	Practice problems	Due Date	Approx Content	Wk
L-0	22-Oct	Introduction; Review Final Exam in MA-121					9
NC	23-Oct						
L-1	24-Oct	Areas and distances	5.1	5.1: 1, 3, 4, 11, 15, 17			
L-2	25-Oct	The definite integral	5.2	5.2: 2, 3, 12, 31, 47			
R-1	26-Oct	Review for WebEx-02 (5.1, 5.2)			WebEx-01	5.1, 5.2	
NC	29-Oct						10
NC	30-Oct						
NC	31-Oct						
NC	1-Nov						
NC	2-Nov						
NC	5-Nov						11
NC	6-Nov			4.8: 8, 16, 29, 50			
L-3	7-Nov	Antiderivatives; evaluating definite integrals	4.8,5.3	5.3: 2, 7, 15, 22, 32, 62			
L-4	8-Nov	Net Change Thm; Fundamental Thm: I and II	5.3,5.4	5.4: 2, 7, 10, 20, 21	WebEx-02	5.1,5.2,4.8	
R-2	9-Nov	Review for WebEx-03 (4.8, 5.3, 5.4); Hw-1					
L-5	12-Nov	Substitution Method	5.5	5.5: 2, 4, 11, 12, 29, 32	WebEx-03	4.8,5.3,5.4	12
W-1	13-Nov	Topics thru 5.2		ASC Review: 9:00 p.m.	Hw-1	thru 5.2	
L-6	14-Nov	Integration by parts	5.6	5.6: 5, 8, 11, 17, 35	Gate-1	5.1-5.4, 4.8	
Ex1	15-Nov	Exam-1: 5:00 pm; thru Lec 4 (Sect 5.4)					
R-3	16-Nov	Review for WebEx-05 (5.5, 5.6); Hw-2			WebEx-04	5.5, 5.6	
L-7	19-Nov	Additional techniques; trig integrals & rational polynom	5.7	5.7: 1, 4, 12, 15, 16	WebEx-05	5.5,5.6, 5.7	13
W-2	20-Nov	Topics thru 5.7; see also Hw-3			Hw-2	thru 5.5	
NC	21-Nov	Thanksgiving Recess					
NC	22-Nov	Thanksgiving Recess					
NC	23-Nov	Thanksgiving Recess					
L-8	26-Nov	Applications: Calculating areas; average value	6.1,6.5	6.1: 6, 11, 15	WebEx-06	5.5-5.7; 6.1	14
W-3	27-Nov	Topics thru 6.1 and 6.5; see also Hw-3		6.5: 5, 10, 15			
L-9	28-Nov	Applications: calculating volumes	6.2	6.2: 2, 4, 7	WebEx-07	6.1,6.5; 6.2	
L-10	29-Nov	Applications: more volumes; l'Hospital's rule	6.2,4.5				
R-4	30-Nov	Review for WebEx-08 (6.1,6.2,6.5)			Hw-3	thru 6.5	
L-11	3-Dec	l'Hospital's rule	4.5	4.5: 14, 31, 36, 52	WebEx-08	6.1,6.2,6.5	15
W-4	4-Dec	Topics thru 4.5; see also Hw-4		ASC Review: 9:00 p.m.			
L-12	5-Dec	Improper Integrals	5.10	5.10: 1, 5, 7, 11, 20	Gate-2	5.5-5.7,6.1-6.5	
Ex2	6-Dec	Exam-2: 5:00 pm; thru Lec 10 (Sect 6.5)					
R-5	7-Dec	Review for WebEx-09 (4.5, 5.10)			WebEx-09	4.5,5.10	
L-13	10-Dec	Applications in physics: Calculating work	6.6	6.6: 1, 10, 13, 17			16
W-5	11-Dec	Topics thru 6.6			Hw-4	thru 4.5	
L-14	12-Dec				WebEx-10	4.5,5.10; 6.6	
Fin	13-Dec	Final Exam: 5:00 pm					
	14-Dec						
	17-Dec						17
	18-Dec	WebEx-11 is due at 9:00 a.m.			WebEx-11	6.6	
	19-Dec						
	20-Dec						
	21-Dec						
		WebAssign due at 9am on the date shown					
		Hw turned in on Tue or Fri; see "Due Dates"					
		ASC = Academic Support Center					