

## Calculus II: Mathematics UN1102 (Fall 2017 Section 3) Schedule

Week	Topic	Section
1 Sept. 6	Intro, review of Calculus I <i>u</i> -substitution	1-4, 5.1-5.4 5.5
2 Sept. 11, 13 HW 1 due Sept. 13	<i>u</i> -substitution Integration by parts Integrals with trigonometry	5.5 7.1 7.2, 7.3
3 Sept. 18, 20 HW 2 due Sept. 20	Partial fractions Integration strategies	7.4 7.5
4 Sept. 25, 27 HW 3 due Sept. 27	Improper integrals Areas Volume 🍷 🍷 🍷	7.8 6.1 6.2
5 Oct. 2, 4  HW 4 due Oct. 4	(Oct. 2) Volume by cylindrical shells Arc length (Oct. 4) Review	6.3 8.1
6 Oct. 9, 11	(Oct. 9) Midterm 1 (Oct. 11) Sequences	11.1
7 Oct. 16, 18 HW 5 due Oct. 18	Series Integral test	11.2 11.3
8 Oct. 23, 25 HW 6 due Oct. 25	Comparison tests and alternating series Absolute convergence, ratio, and root tests	11.4, 11.5 11.6
9 Oct. 30, Nov. 1 HW 7 due Nov. 1	Power series Functions as power series	11.8 11.9
10 Nov. 8 HW 8 due Nov. 8	Taylor's theorem and Taylor series	11.10
11 Nov. 13, 15 HW 9 due Nov. 15	(Nov. 13) Review (Nov. 15) Midterm 2	
12 Nov. 20	Parametric curves Thanksgiving 🍷 🍷 🍷	10.1, 10.2
13 Nov. 27, 29 HW 10 due Nov. 29	Polar coordinates Differential equations and direction fields	10.3, 10.4 9.1, 9.2
14 Dec. 4, 6 HW 11 due Dec. 6	Separable equations Linear differential equations	9.3 9.5
15 Dec. 11 HW 12 due Dec 11	Review	
16 Dec. 18	Final Exam 4:10-7:00 pm	