

MATH 110: Course Outline, 2014W

Week	Dates	Topic	Sections	Notes
1.1	Sept. 3 - 5	Welcome, Why Calculus?	0.2	No assignment No workshop
1.2	Sept. 8 - 12	Lines in the Plane, Functions	0.2, 0.3, 0.4	
1.3	Sept. 15 - 19	Tangent Lines, Velocities, Growth	1.0	
1.4	Sept. 22 - 26	Evaluating limits	1.1, 1.2	
1.5	Sept. 29 - Oct. 3	Continuity	1.3	
1.6	Oct. 6 - 10	Tangent lines and the idea of derivative	2.0	
1.7	Oct. 14 - 17 Oct. 15	The definition of derivative Midterm Test	2.1	No assignment No workshop No class Oct. 13
1.8	Oct. 20 - 24	The Power, Product and Quotient Rules	2.2	
1.9	Oct. 27 - 31	Trigonometry	2.3	
1.10	Nov. 3 - 7	Exponentials	2.3	
1.11	Nov. 10 - 14	The Chain Rule	2.4	No class Nov. 11
1.12	Nov. 17 - 21	Implicit differentiation	2.9	
1.13	Nov. 24 - 28	Review	-	
				Exams and break
2.1	Jan. 5 - 9	Extrema	3.1	No assignment No workshop
2.2	Jan. 12 - 16	The Mean Value Theorem	3.2	
2.3	Jan. 19 - 23	The First and Second Derivative Tests	3.3	
2.4	Jan. 26 - 30	Concavity	3.4	
2.5	Feb. 2 - 6	Asymptotes	3.6, 3.7	
2.6	Feb. 10 - 13	Curve sketching	-	No assignment No workshop Midterm Feb. 12
				Reading Week
2.7	Feb. 23 - 27	Optimization I	3.5	No assignment No workshop
2.8	Mar. 2 - 6	Optimization II	3.5	
2.9	Mar. 9 - 13	Related rates I	2.6	
2.10	Mar. 16 - 20	Related rates II	2.6	
2.11	Mar. 23 - 27	Approximations I	2.8	
2.12	Mar. 30 - Apr. 2	Approximations II	-	
2.13	Apr. 7 - 10	Review	-	No assignment No workshop
				Exams