Series Calculus and Linear Algebra - MTH 253

*Winter 2021 *tentative**

Week	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 1	1/4	1/5	1/6	1/7	Set 1 Due · 1/8	1/9	1/10
	Lecture 0	Lecture 1	Lecture 2		Lecture 3		
	Introductions	Notation	Taylor Polynomials		Error Estimate		
			(Lesson 9)		(Lesson 9)		
Week 2	WU 1 Due · 1/11	Set 2 Due · 1/12	1/13	1/14	1/15	1/16	1/17
		Lecture 4	Lecture 5		Lecture 5 cont		
	Finish Lecture 3	Intro to Series/Convergence	Geometric Series		Geometric Series		
		(Lesson 10)	(Lesson 10.4)		(Lesson 12)		
Week 3	1/18	Set 3 Due · 1/19	1/20	1/21	Set 4 Due · 1/22	1/23	1/24
	Holiday No Classes	Lecture 6 Continued	Lecture 6 Continued		Lecture 7		Project 1 Review Due
	Project 1 Due	The Integral Test	The Integral Test		Comparison Tests		WU 2 Due
		(Lesson 12)	(Lesson 12)		(Lesson 13)		
Week 4	1/25	Set 5 Due · 1/26	Quiz 1 Due · 1/27	1/28	1/29	1/30	1/31
	Lecture 8	Lecture 9	Lecture 11		Lecture 12		
	Absolute/Cond Convergence	Ratio and Root Test	Power Series		More Power Series		
	(Lesson 14)	(Lesson 15)	(Lesson 16,11)		(Lesson 16,17)		
Week 5	2/1	Set 6, 7 Due · 2/2	Project 2 Due · 2/3	2/4	2/5	2/6	2/7
	Lecture 13	Lecture 14	Lecture 15				
	Applications	Complex Numbers	Complex Series		Review		Project 2 Review Due
	(Lesson 17)	(Lesson 1)	(Lesson 18)				
Week 6	WU 3 Due · 2/8	Set 8, 9 Due · 2/9	2/10	2/11	2/12	2/13	2/14
	Lecture 16	Lecture 17			Lecture 17		
	Linear Algebra Intro/Vectors	Systems	Final Exam 1 Due		Systems		
	(Lesson 2)	(Lesson 3)			(Lesson 3)		
Week 7	WU 4 Due · 2/15	Set 11,12 Due · 2/16	2/17	2/18	2/19	2/20	2/21
	Holiday No Classes	Lecture 18	Lecture 19		Lecture 20		Project 3 Due
		Solutions	Matricies and Operations		Matrix Equations		Last day to Withdraw
		(Lesson 3)	(Lesson 4)		(Lesson 4)		
Week 8	WU 5 Due · 2/22	Set 13, 14 Due · 2/23	2/24	2/25	2/26	2/27	2/28
	Lecture 21	Lecture 21	Lecture 22		Lecture 23		
	Span and Basis	Span and Basis	Linear Transformations		Matrix Transformations		Project 3 Review Due
	(Lesson 5)	(Lesson 5)	(Lesson 6)				
Week 9	Quiz 2 Due · 3/1	Set 15, 16 Due · 3/2	3/3	3/4	3/5	3/6	3/7
	Lecture 24	Lecture 24	Lecture 25 Part 1		Lecture 25 Part 2		
	Determinants	Determinants	Eigenthings		Eigenthings		
	(Lessons 3,4,5,6)	(Lessons 3,4,5,6)	(Lesson 7)		(Lesson 7)		
	WU 6 Due · 3/8	Set 17, 18 Due · 3/9	3/10	3/11	3/12	3/13	3/14

Week 10	Lecture 26 Part 1		Lecture 26 Part 2		Review				Review		Project 4 Due	
	Complex Eigenthings		Complex Eigenthings									
	(Supplimental Text)		(Supplimental Text)									
	WU 7 Due	3/15		3/16		3/17		3/18		3/19		3/20		3/21
Finals Week			Edfinity All Sets 11-20									
					Final Exam 2							