

# MATH 20C SCHEDULE

## APRIL 2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	<i>Lecture</i> 1 Syllabus Prerequisites and notation (pages xxii - xxv in book)	2	<i>Lecture</i> 3 1.1 Vectors in Two- and Three-Dimensional Space	<i>Section</i> 4	<i>Lecture</i> 5 1.2 The Inner Product, Length, and Distance	6
<i>Homework 1</i> 7 <b>WebAssign and written            homework due at 11:59pm</b>	<i>Lecture</i> 8 1.2 The Inner Product, Length, and Distance	9	<i>Lecture</i> 10 1.3 Matrices, Determinants, and the Cross Product	<i>Section</i> 11	<i>Lecture</i> 12 1.3 Matrices, Determinants, and the Cross Product <b>Written Homework 2 due at            5pm</b>	13
<i>WebAssign            Homework 2</i> 14 due at 11:59pm	<i>Lecture</i> 15 2.1 The Geometry of Real-Valued Functions	16	<i>Lecture</i> 17 2.2 Limits and Continuity	<i>Section</i> 18	<i>Lecture</i> 19 <b>Midterm 1</b> Covers sections 1.1-1.3, 2.1	20
21	<i>Lecture</i> 22 2.3 Differentiation	23	<i>Lecture</i> 24 2.3 Differentiation	<i>Section</i> 25	<i>Lecture</i> 26 2.4 Introduction to Paths and Curves <b>Written Homework 3 due at            5pm</b> Drop Deadline	27
<i>WebAssign            Homework 3</i> 28 due at 11:59pm	<i>Lecture</i> 29 2.5 Properties of the Derivative	30				

# MAY 2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			<i>Lecture</i> 1 2.5 Properties of the Derivative	<i>Section</i> 2	<i>Lecture</i> 3 2.6 Gradients and Directional Derivatives <b>Written Homework 4 due at 5pm</b>	4
<i>WebAssign Homework 4</i> Due at 11:59pm	<i>Lecture</i> 6 2.6 Gradients and Directional Derivatives	7	<i>Lecture</i> 8 3.1 Iterated Partial Derivatives	<i>Section</i> 9	<i>Lecture</i> 10 3.3 Extrema of Real-Valued Functions <b>Written Homework 5 due at 5pm</b>	11
<i>WebAssign Homework 5</i> due at 11:59pm	<i>Lecture</i> 13 3.3 Extrema of Real-Valued Functions	14	<i>Lecture</i> 15 3.4 Constrained Extrema and Lagrange Multipliers	<i>Section</i> 16	<i>Lecture</i> 17 <b>Midterm 2</b> Covers sections 1.1-1.3, 2.1-2.6, 3.1, 3.3 Emphasis on sections 2.2-2.6, 3.1, 3.3	18
19	<i>Lecture</i> 20 3.4 Constrained Extrema and Lagrange Multipliers	21	<i>Lecture</i> 22 4.1 Acceleration and Newton's Second Law	<i>Section</i> 23	<i>Lecture</i> 24 4.2 Arc Length <b>Written Homework 6 due at 5pm</b>	25
<i>WebAssign Homework 6</i> due at 11:59pm	<i>Memorial Day</i> no lecture	28	<i>Lecture</i> 29 5.1 Introduction to Double Integrals	<i>Section</i> 30	<i>Lecture</i> 31 5.2 The Double Integral Over a Rectangle <b>Written Homework 7 due at 5pm</b>	

# JUNE 2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
<i>WebAssign Homework 7</i> due at 11:59pm	2 <i>Lecture</i> 5.3 The Double Integral Over More General Regions	3 4	<i>Lecture</i> 5.4 Changing the Order of Integration	5 6	<i>Section</i> 6 <i>Lecture</i> 5.5 The Triple Integral Final exam information <b>Written Homework 8 due at 5pm</b>	7 8
<i>WebAssign Homework 8</i> due at 11:59pm	9 10	11	<b>Final</b> 11:30 am - 2:29 pm Location TBD Cumulative, slight emphasis on sections 3.4, 4.1, 4.2, 5.1 - 5.5	12 13	14	15