2024/03/28 23:52 1/2 Math 224/225 Schedule

Math 224/225 Weekly Schedule, Spring 2023

Math 224: January 18 to March 6 Math 225: March 10 to May 11

You are required to watch 1-3 videos before each class unless stated otherwise for that day in the schedule below. The videos are titled by section numbers from the text. The section covered in each class are the videos you need to watch before each class.

Math 224 begins Wednesday, January 18, and ends Monday, March 6

(Note: Schedule under construction, and subject to change, depending on circumstances. Dates of Skills Tests to be determined.)

Week	Dates	Sections	Topics	Basic Skills Tests
1	Jan 18 - 20	Appendix A (No required video, but videos available in "Precalculus Videos" link on webpage.)	Inequalities and Absolute Values	None
		1.4 & 2.1	Derivatives and Rates of Change: Motivation Tangents & Velocity	
2	Jan 23 - 27 (Add Deadline - Monday, January 23)	1.5	Limit of a Function (intuitive) & Calculating Limits	
		1.6	Calculating Limits	
		1.8	Continuity	
3	Jan 30 - Feb 4 (Drop Deadline - Monday, January 30)	2.1	Derivatives and Rates of Change: Definition	
		2.2	Derivative as a Function	
		2.3	Differentiation Formulas	
	Feb 6 - 10	Appendix D & 2.4	Trigonometry Review & Derivatives of Trig Functions	Skills Test 1 begins on Feb 6 and you have until Feb 10 to take your first attempt, but can take other attempts this week as well. It covers Limits, Continuity, and Differentiation Formulas. You have until Feb 17 to take all three attempts.
4		2.5	Chain Rule	
		Review		
5	Feb 13 - 17	224 Exam 1 (Midterm)	Exam will take place in person during regular class time in your regular classroom	
		2.6	Differentiation of Functions with Implicit Definitions	
		2.7 & 2.8	Rates of Change in Science & Related Rates	
6	Feb 20 - 24 (Withdraw Deadline - Monday, Feb 20)	2.8	More Related Rates	Skills Test 2 begins Feb 20. It covers Trigonometric Derivatives, the Chain Rule, and "Implicit Differentiation". You have until Mar 6 to take all three attempts.
		3.1	Maximum & Minimum Values	
		3.2 & 3.3	Brief Coverage of Mean Value Theorem and How Derivatives Affect the Shape of a Graph	
7	Feb 27 - Mar 3	3.4	Limits at Infinity	
		3.5	Curve Sketching	
		Review for Final	Exam is comprehensive, but emphasizing Sections 2.6-3.5	
	Mar 14 - 18	Spring Break		1
8	Mar 6 - 8	224 Final Exam	Exam will take place in person during regular class time in your regular classroom.	The last day to take Skills Test 2 is Mar 6
		No class	(Math 224 is over)	

Math 225 begins Friday, March 10, and ends Thursday, May 11

(Note: Schedule under construction, and subject to change, depending on circumstances.)

Week	Dates	Sections	Topics	Basic Skills Tests
8	Mar 10	3.7	Optimization	
9	Mar 13 - 17	3.7	More Optimization	
	(Add Deadline -	3.2	Mean Value Theorem & Consequences	
	Thursday, March 16)	3.9	Antiderivatives	
10	Mar 20 - 24	4.1 & Appendix E	Areas and Distances & Summation Notation	
	(Drop Deadline -	4.2	Definite Integrals	
	Thursday, March 23)	4.3	Fundamental Theorem of Calculus	
	Mar 27 - 31	4.3	More Fundamental Theorem of Calculus	
11		4.4	Indefinite Integrals and Net Change Theorem	
		4.4	More on Indefinite Integrals and the Net Change Theorem	
		Easter Break		Skills Test 3 begins Mar 27. It covers Antiderivatives, Indefinite Integrals, and the Fundamental Theorem of Calculus.
	Apr 3 - 7	Easter Break		
		Easter Break		
	Apr 10 - 14 (Monday Classes Meet on Wednesday, April 12)	Easter Break		
12		4.5	Substitution Rule	You have until Apr 21 to take all three attempts.
		4.5	More on Substitution Rule	
	Apr 17 - 21 (Withdraw Deadline - Friday, April 21)	Review		
13		225 Exam 1 (Midterm)	Exam will take place in person during regular class time in your regular classroom	
	Triday, April 21)	5.1	Area Between Curves	
	April 24 - 28	5.2	Volumes of Solids of Revolution (Disks/Washers)	Skills Test 4 Apr 24. It covers the Substitution Rule and Area Between Curves. You have until May 4 to take all three attempts.
14		5.3	Volumes of Solids of Revolution (Shells)	
		5.2, 5.3	Summary of Washers and Shells	
	May 1 - 4	5.5	Average Value of a Function	
15	(Friday Classes Meet on Tuesday, May 2)	Review		
16	May 5 - 11	Final Exam on Date and Time Assigned by Registrar, View Final Exam schedule here	The final is cumulative and covers all topics from the course with a majority of the questions covering sections 5.1-5.3 & 5.5	

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