

MAT 151 Calendar: Spring 2021

Class Date	Class Activities	Learning Resources: If you were not able to attend the class session either watch the BBB recording OR the You Tube videos listed here before attempting the homework	Assignments to Complete Prior to Next Class
Tuesday May 11	<ul style="list-style-type: none"> Class Discussion 1A: Finding Limits Graphically Class Discussion 1B: Finding Limits Numerically 	Lecture Videos 1A Lecture Videos 1B	<ul style="list-style-type: none"> My Math Lab HW 1A Classwork #1 Classwork #2 Due by midnight on 5/13
Thursday May 13	<ul style="list-style-type: none"> Q & A Section 1A, 1B Class Discussion 1C: Drawing Graphs Based on Limits Class Discussion 1D: Finding limits Analytically (as x approaches a finite value) 	Lecture Videos 1C Lecture Videos 1D	<ul style="list-style-type: none"> My Math Lab HW 1C Classwork #3 My Math Lab HW 1D Classwork #4 Classwork #5 Due by midnight on 5/18
Tuesday May 18	<ul style="list-style-type: none"> Q & A Section 1C, 1D Class Discussion 1.E: Finding Limits Analytically (x approaches infinite value) Class Discussion 1F: Continuity 	Lecture Videos 1E Lecture Videos 1F	<ul style="list-style-type: none"> My Math Lab HW 1E Classwork #6 My Math Lab HW 1F Classwork #7 Due by midnight 5/20
Thursday May 20	<ul style="list-style-type: none"> Q & A Section 1E, 1F Class Discussion 1G: Mean Value Theorem Class Discussion 1H: Applications of Limits 	Lecture Videos 1G (note that there are no YouTube videos for 1H – we started the classwork problems in class, so use the BBB video for help)	<ul style="list-style-type: none"> My Math Lab HW 1G Classwork #8 Due by midnight 5/25 **Work on Review for Test 1 (not handed in)**
Tuesday May 25	<ul style="list-style-type: none"> Q & A Sections 1G – 1H Q & A: Review for Test 1 		<ul style="list-style-type: none"> Test 1 Due by midnight 5/27
Thursday May 27	<ul style="list-style-type: none"> Class Discussion 2A: Definition of the Derivative (Finding Derivatives using a Limit) Class Discussion 2B: Derivatives Graphically 	Lecture Videos 2A Lecture Video 2B	<ul style="list-style-type: none"> Classwork #9 Classwork #10 Due by midnight 6/1
Tuesday June 1	<ul style="list-style-type: none"> Q & A Section 2A, 2B Class Discussion 2C: Derivatives Analytically – Basic Rules 	Lecture Videos 2C	<ul style="list-style-type: none"> My Math Lab HW 2C Classwork #11 Due by midnight 6/3

Thursday June 3	<ul style="list-style-type: none"> Q & A Sections 2C Class Discussion 2D: Derivatives Analytically – Product and Quotient Rules Class Discussion 2E: Derivatives Analytically – Derivatives of Trigonometric Functions 	<p>Lecture Videos 2D</p> <p>Lecture Videos 2E</p>	<ul style="list-style-type: none"> My Math Lab HW 2DE Classwork #12 Classwork #13 <p>Due by midnight 6/8</p>
Tuesday June 8	<ul style="list-style-type: none"> Q & A Section 2D – 2E Class Discussion 2F: Applications of the Derivative 	<p>Lecture Videos 2F</p>	<ul style="list-style-type: none"> Classwork #14 <p>Due by midnight 6/10</p>
Thursday June 10	<ul style="list-style-type: none"> Q & A Sections 2F Class Discussion 2G: Higher Order Derivatives Class Discussion 2H: Derivatives Analytically – Chain Rule 	<p>Lecture Videos 2G</p> <p>Lecture Videos 2H</p>	<ul style="list-style-type: none"> My Math lab HW 2G Classwork #15 My Math Lab 2H Classwork #16 Classwork #17 <p>Due by midnight 6/15</p>
Tuesday June 15	<ul style="list-style-type: none"> Q & A Sections 2G, 2H Class Discussion 2I: Implicit Derivatives 	<p>Lecture Videos 2I</p>	<ul style="list-style-type: none"> My Math Lab 2I Classwork #18 <p>Due by midnight 6/17</p> <p>*Begin Review for Midterm* (not handed in)</p>
Thursday June 17	<ul style="list-style-type: none"> Q & A Sections 2I Class Discussion 2J: Derivatives of Logarithmic Functions Class Discussion 2K: Derivatives of Inverse Trig Functions 	<p>Lecture Videos 2J</p> <p>Lecture Videos 2K</p>	<ul style="list-style-type: none"> My Math lab 2J Classwork #19 My Math Lab 2K Classwork #20 <p>Due by midnight 6/22</p> <p>*Finish Review for Midterm* (not handed in)</p>
Tuesday June 22	<ul style="list-style-type: none"> Q & A Sections 2J – 2K Q & A Midterm Exam Review 		<p>Study for Midterm Exam</p>
Thursday June 24	<p>Midterm Exam taken during proctored Zoom call; please try to make arrangements to attend. Available times will be: 9-11 am or 6-8 pm. If it is impossible for you to attend at these times, notify your instructor to make arrangements to test with the JC Testing Lab.</p>		<p>Midterm should be uploaded to JetNet while you are on the Zoom call; verify that it has been received before logging off the call.</p>

Tuesday June 29	<ul style="list-style-type: none"> Class Discussion 3A: Related Rates Problems 	Lecture Videos 3A	<ul style="list-style-type: none"> My Math Lab 3A Classwork #21 <p>Due by midnight 7/1</p>
Thursday July 1	<ul style="list-style-type: none"> Q & A Section 3A Class Discussion 3B: Graphing Based on the First and Second Derivatives 	Lecture Videos 3B	<ul style="list-style-type: none"> My Math lab 3B Classwork #22 <p>Due by midnight 7/6</p>
Tuesday July 6	<ul style="list-style-type: none"> Q & A Section 3B Class Discussion 3C: Graphing Based on Limits and Derivatives 	Lecture Videos 3C	<ul style="list-style-type: none"> Classwork #23 Classwork #24 <p>Due by midnight 7/8</p>
Thursday July 8	<ul style="list-style-type: none"> Q & A Section 3C Class Discussion 3D: Absolute Maximum and Minimum Class Discussion 3E: Optimization (Begin) 	<p>Lecture Videos 3D</p> <p>Lecture Videos 3E</p>	<ul style="list-style-type: none"> Classwork #25 My Math Lab 3E Classwork #26 (start, not due yet) <p>Due by midnight 7/13</p>
Tuesday July 13	<ul style="list-style-type: none"> Q & A Sections 3D, 3E Continue Class Discussion 3E: Optimization Class Discussion 3F: Linear Approximation and Differentials 	<p>Lecture Videos 3E</p> <p>Lecture Videos 3F</p>	<ul style="list-style-type: none"> Classwork #26 (finish, due now) Classwork #27 <p>Due by midnight 7/15</p> <p>** Also Review for Test 3** (not handed in)</p>
Thursday July 15	<ul style="list-style-type: none"> Q & A Section 3E – 3F Q & A: Review for Test 3 	Lecture Videos 3G	<ul style="list-style-type: none"> My Math Lab 3G Test: Unit 3 <p>Due by 9AM on 7/20</p>
Tuesday July 20	<ul style="list-style-type: none"> Class Discussion 4A: Approximating the Area Under a Curve Using Riemann Sums 	Lecture Videos 4A	<ul style="list-style-type: none"> Classwork #29 (in coursepack this is labeled as Homework: Exploring Area with Riemann Sums) <p>Due by midnight 7/22</p>

Thursday July 22	<ul style="list-style-type: none"> Q & A Section 4A Class Discussion 4B: Properties of the Definite Integral Class Discussion 4C: Antiderivatives 	<p>Lecture Videos 4B</p> <p>Lecture Videos 4C</p>	<ul style="list-style-type: none"> Classwork #30 My Math Lab 4C Classwork #31 <p>Due by midnight 7/27</p>
Tuesday July 27	<ul style="list-style-type: none"> Q & A Section 4B – 4C Class Discussion 4D: The Fundamental Theorem of Calculus Class Discussion 4E: U-Substitution Method of Integration 	<p>Lecture Videos 4.3D</p> <p>Lecture Videos 4.5E</p>	<ul style="list-style-type: none"> My Math Lab 4D Classwork #32 My Math Lab 4E Classwork #33 <p>Due by midnight 7/29</p>
Thursday July 29	<ul style="list-style-type: none"> Q & A Section 4D, 4E Class Discussion 4F: Integrals Involving Natural Logs Class Discussion 4G: Integrals Involving Inverse Trig Functions 	<p>Lecture Videos 4.5F</p> <p>Lecture Videos 4.5G</p>	<ul style="list-style-type: none"> My Math Lab 4F Classwork #34 My Math Lab 4G Classwork #35 <p>Due by midnight 8/3</p> <p>*Also begin Review for Final Exam* (not handed in)</p>
Tuesday August 3	<ul style="list-style-type: none"> Q & A Section 4F – 4G Class Discussion 4H: Applications of the Integral 	<p>Lecture Video 4H</p>	<ul style="list-style-type: none"> My Math Lab 4H Classwork #36 <p>Due by midnight 8/5</p> <p>*Also Review for Final Exam* (not handed in)</p>
Thursday August 5	<ul style="list-style-type: none"> Q & A 4H Q & A Review for Final Exam 		<p>Study for Final Exam</p>
Sunday August 8 OR Monday August 9	<ul style="list-style-type: none"> Final Exam to be taken during proctored Zoom call; please try to make arrangements to attend. Available times: Sunday 8/8 6 – 8 pm Monday 8/9 9 – 11 am <p>If these times are truly impossible for you, make prior arrangements with instructor to test with our lab.</p>		