

# Math 180 + Math 18

TTh 10:45am-2:05pm

Note: The table below shows which packets will tentatively be covered in class.

See class website for homework due dates.

Week	Tuesday		Thursday		Weekly Math 18 Topics
1	Feb 26	Registration, Syllabus, 1	Feb 28	1	Tools for Limits
2	Mar 5	2	Mar 7	3	Tools for Limits
3	Mar 12	4	Mar 14	5, <b><u>Math 180 - Quiz #1</u></b> <b>Scavenger Hunt due</b>	Tools for Limits
4	Mar 19	6, 7	Mar 21	<b><u>Math 18 - Test #1</u></b> 8	Getting Ready for Derivatives
5	Mar 26	9	Mar 28	<b><u>Math 180 - Test #1</u></b>	Getting Ready for Derivatives
6	Apr 2	10	Apr 4	11	Getting Ready for Derivatives
7	Apr 9	12, 13	Apr 11	<b><u>Math 180 - Quiz #2</u></b> 14	Getting Ready for Derivatives
8	Apr 16	15	Apr 18	<b><u>Math 18 - Test #2</u></b> 16	Tools for Modeling
9	Apr 23	17	Apr 25	<b><u>Math 180 - Test #2</u></b>	Tools for Modeling
10	Apr 30	18, 19	May 2	20	Tools for Integration
11	May 7	21	May 9	<b><u>Math 180 - Quiz #3</u></b> 22	Tools for Integration
12	May 14	23	May 16	<b><u>Math 18 - Test #3</u></b> 24	Tools for Integration
13	May 21	25	May 23	<b><u>Math 180 - Test #3</u></b>	Review
14	May 28	26	May 30	27	Review
15	Jun 4	<b><u>Math 18 - Final Exam</u></b> 28, 29, Review	Jun 6	<b><u>Math 180 - Quiz #4</u></b> Review	Review
16	Jun 11	<b><u>MATH 180 - Review</u></b> 10:30am-1:00pm	Jun 13	<b><u>MATH 180 - FINAL EXAM</u></b> 7:30am-10:00am	

Last day to drop with a refund

Last day to add (register)

Last day to drop without a W

Last day to drop with a W

March 8, 2019 (Friday)

March 8, 2019 (Friday)

March 10, 2019 (Sunday)

May 3, 2019 (Friday)

Here's a table of contents for the packets that I'll be handing out in class.

The sections of the book that are covered by each packet are listed.

<b>Packet</b>	<b>Book Section(s)</b>	<b>Topic(s)</b>
1	parts of 2.2, 2.6	Limits (Visual)
2	parts of 2.2, 2.3, 2.6	Limits (Numeric and Algebraic)
3	2.5	Continuity
4	parts of 2.1, 2.7, 2.8	Definition of the Derivative
5	parts of 3.1, 3.3, 3.5, 3.6, 3.11	Derivative Shortcuts
6	parts of 3.4, 3.6, 3.11	The Chain Rule
7	3.7	Applications: Rates of Change
8	3.5 and part of 3.6	Implicit and Logarithmic Differentiation
9	3.9	Related Rates
10	parts of 3.1, 3.3, 3.5, 3.6	Proving Derivatives
11	3.10	Linear Approximations and Differentials
12	4.8	Applications: Newton's Method
13	4.4	L'Hospital's Rule
14	parts of 4.1, 4.3	First Derivatives and Graphs
15	parts of 4.3	Second Derivatives and Graphs
16	4.5	Graphing using Calculus
17	4.1	Absolute Extrema and the Extreme Value Theorem
18	4.7	Optimization Problems
19	4.9 and parts of 5.4	Antiderivatives and Indefinite Integrals
20	5.5	Substitution
21	7.1	Integration by Parts
22	5.1	The Area Problem
23	5.2	The Definite Integral
24	5.3 and parts of 5.4	The Fundamental Theorem of Calculus
25	parts of 5.5, 7.1	Substitution and Integration by Parts (Again)
26	2.4	The Precise Definition of a Limit
27	4.2	The Mean Value Theorem
28	Appendix G	The Logarithm Defined as an Integral
29	3.8	Exponential Growth and Decay