

# Weekly schedule

## Math 224/225

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.

| Week | Dates   | Sections   | Topics  | Basic Skills Tests   |  |
|------|---|--|---|--|--|
| 1    | Jan 23-25   | Appendix A (no required video, but videos available in "Precalculus Videos" link on webpage) | Inequalities and Absolute Values  | none   |  |
|      |   | 1.5  | Limit of a Function (intuitive) & Calculating Limits                            |  |  |
| 2    | Jan 28-Feb 1 (Add Deadline is Monday, 1/28)                   | 1.6  | Calculating Limits  |  |  |
|      |   | 1.8  | Continuity  |  |  |
|      |   | 1.4 & 2.1  | Derivatives and Rates of Change   |  |  |
| 3    | Feb 4-8 ( <b>Drop Deadline</b> Monday, Feb 4)                 | 2.2  | Derivative as a Function  |  |  |
|      |   | 2.3  | Differentiation Formulas  |  |  |
|      |   | App D, 2.4   | Trig Review & Derivatives of Trig Functions                                     |  |  |
| 4    | Feb 11-15   | 2.5  | Chain Rule  |  | Skills Test 1 begins Thursday Feb 7, covers limits, continuity, and differentiation formulas. <b>The last day to take 1st attempt is Thursday Feb 14</b> |
|      |   | Review   |   |  |  |
|      |   | <b>EXAM 1</b>  | All exams in class  |  |  |
| 5    | Feb 18-22   | 2.6  | Implicit Differentiation  | Skills Test 1, 2nd or 3rd attempt. <b>You have until Friday Feb. 22 to take both 2nd and 3rd attempts.</b>   |  |
|      |   | 2.7  | Rates of Change in Science  |  |  |
|      |   | 2.8  | Related Rates   |  |  |
| 6    | Feb 25-March 1 ( <b>Withdraw Deadline</b> is Thursday Feb 28) | 2.8  | Related Rates   | Skills Test 2 (covering trigonometric derivatives, the chain rule, and implicit differentiation) begins Monday Feb. 25. <b>The last day to take 1st attempt is Friday March 1.</b> |  |
|      |   | 3.1  | Maximum & Minimum Values  |  |  |
|      |   | 3.3  | How Derivatives Affect the Shape of a Graph                                     |  |  |
| 7    | Mar 4-8   | 3.4  | Limits at Infinity  | Skills Test 2, 2nd or 3rd attempt. <b>You have until Tuesday Mar. 12 to take both 2nd and 3rd attempts.</b>  |  |
|      |   | 3.5  | Curve Sketching   |  |  |
|      |   | 3.5  | More Curve Sketching  |  |  |
| 8    | Mar 11-15   | Review for Final   |   | None   |  |
|      |   | Final Exam   | Final Exam covers all topics from the course but with focus on sections 2.6-3.5 |  |  |
|      |   | No Class   | Math 224 is over  |  |  |

## Math 225 Begins Monday, March 25

| Week | Dates  | Sections        | Topics                                  | Basic Skills Tests |
|------|--|-----------------|---|--------------------|
| 10   | Mar 25 - 29 ( <b>Add Deadline</b> Friday Mar 29)   | 3.7             | Optimization                            | None               |
|      |  | 3.7             | More Optimization                       |                    |
|      |  | 3.9             | Antiderivatives                         |                    |
| 11   | April 1 - 5 ( <b>Drop Deadline</b> Friday April 5) | 4.1, Appendix E | Areas and Distances, Summation Notation |                    |
|      |  | 4.2             | Definite Integrals                      |                    |
|      |  | 3.2             | Mean Value Theorem                      |                    |

|    |  |             |   |  |
|----|--|-------------|---|--|
| 12 | April 8 - 12   | 4.3         | Fundamental Theorem of Calculus                                       | Skills Test 3 begins Wed April 10, covering Antiderivatives, Indefinite Integrals, and the Fundamental Theorem of Calculus. The last day to take 1st attempt is Tues April 16. Students may take their 2nd and 3rd attempts April 17-26. |
|    |  | 4.3         | Fundamental Theorem of Calculus                                       |  |
|    |  | 4.4         | Indefinite Integrals and Net Change Theorem                           |  |
| 13 | April 15 - 19  | Review      | Exam 1 covers 3.7, 3.9, 4.1 - 4.4, 3.2                                |  |
|    |  | Exam 1      | In Class  |  |
|    |  | No Class    | Easter Break  |  |
| 14 | April 22 - 26  | 4.5         | Substitution Rule   | Skills Test 3, final week. <b>The last day to take Skills Test 3 is Friday, April 26</b>   |
|    |  | 4.5         | Substitution Rule   |  |
|    |  | 5.1         | Area Between Curves   |  |
| 15 | April 29 - May 3<br>( <b>Withdraw Deadline</b><br>Monday April 29) | 5.1         | More Area Between Curves  | Skills Test 4 begins, covering the Substitution Rule and Area Between Curves. The last day to take 1st attempt is Fri May 3. Students may take their 2nd and 3rd attempts May 6-10.  |
|    |  | 5.2         | Volumes of Solids of Revolution (Disks/Washers)                       |  |
|    |  | 5.3         | Volumes of Solids of Revolution (Cylindrical Shells)                  |  |
| 16 | May 6 - 10 ( <b>Withdraw Deadline</b><br>Tue Apr 24)               | 5.2, 5.3    | Volumes Review/Summary  | Skills Test 4 continues.   |
|    |  | 5.5         | Average Value of a Function   |  |
|    |  | Review      | Last Day of Classes   | <b>Last day for Skills Test 4!!!</b>   |
| 17 | May 13 - 17  | Finals Week | The final exam is cumulative and covers all topics from 225, not 224. | TBA  |

From:

<https://www2.math.binghamton.edu/> - **Binghamton University Department of Mathematical Sciences**

Permanent link:

[https://www2.math.binghamton.edu/p/calculus/math\\_224\\_225/weekly\\_schedule](https://www2.math.binghamton.edu/p/calculus/math_224_225/weekly_schedule)

Last update: **2019/03/31 00:41**

