

# Day by Day Math 141

Spring 2019

|    | Monday   | TuesR | Wednesday   | ThR | Friday  |
|----|--|-------|---|-----|---|
| 1  | 1/7<br>Intro to course, .1(Number Systems; Sets and notations) |       | 1/9<br>.2(Conics; Parabolas, Ellipses & Hyperbolas) |     | 1/11<br>.3(Functions, big overview section).      |
| 2  | 1/14<br>.4 (Parametric Equations)                              |       | 1/16<br>1.1 1.2 (Defn. of a limit)                  |     | 1/18<br>1.2 (Limits; properties & evaluations)    |
| 3  | 1/21<br>No Classes (MLK day)                                   |       | 1/23<br>1.3 (Continuity)                            |     | 1/25<br>1.4(Inst. Velocity)                       |
| 4  | 1/28<br>2.1(Defn. of Deriv)                                    |       | 1/30<br>Review                                      |     | 2/1<br>Test #1 (.1-2.1)                           |
| 5  | 2/4<br>2.2(Derivative Rules)                                   |       | 2/6<br>2.3 (More Deriv rules)                       |     | 2/8<br>2.4 (Trig Derivatives)                     |
| 6  | 2/11<br>2.5 (Chain Rule)                                       |       | 2/13<br>2.6(Implicit Diff)                          |     | 2/15<br>2.6 (Logs and other rules)                |
| 7  | 2/18<br>2.7 (Related Rates)                                    |       | 2/20<br>2.7(Related Rates)                          |     | 2/22<br>Review                                    |
| 8  | 2/25<br>Test #2 (2.2-2.7)                                      |       | 2/27<br>3.1 (Newton's Method)                       |     | 3/1<br>3.2( Extreme Values)                       |
| 9  | 3/4<br>3.3 (Shape of a Curve)                                  |       | 3/6<br>3.4 (Optimization)                           |     | 3/8<br>3.5(L'Hopital's Rule)                      |
|    | 3/11<br>No Classes   |       | 3/13<br>Spring Break                                |     | 3/15<br>Spring Break                              |
| 10 | 3/18<br>3.6(Differentials & Antiderivatives)                   |       | 3/20<br>Review                                      |     | 3/22<br>Test #3 (3.1-3.6)                         |
| 11 | 3/25<br>4.1 (Areas under curves; Riemann Sums)                 |       | 3/27<br>4.2(Definition of definite integral)        |     | 3/29<br>4.3 (Fund Theorem of Calculus)            |
| 12 | 4/1<br>4.3 (Substitution)                                      |       | 4/3<br>4.4 & 4.5 (Int. by parts)                    |     | 4/5<br>4.5(Int. by parts)                         |
| 13 | 4/8<br>5.1 Areas   |       | 4/10<br>5.2 Volumes                                 |     | 4/12<br>5.2 Volumes                               |
| 14 | 4/15<br>Review   |       | 4/17<br>Test 4 (4.1-4.5)                            |     | 4/19<br>No Classes (Easter)                       |
| 15 | 4/22<br>Review Test 1&2  |       | 4/24<br>Review Test 3&4                             |     | 4/26<br>Overall Review day<br>Last day of Classes |

Exams 4/29-5/7 Date according to official NCSU exam schedule based on time and day of the class.

<https://studentservices.ncsu.edu/calendars/exam/#spring>

## MA141-005 Tests (MW):

Test #1: Monday, February 4

Test #2: Monday, February 25

Test #3: Wednesday, March 20

Test #4: Wednesday, April 17

## MA141-004 Tests (TTh):

Test #1: Thursday, January 31

Test #2: Tuesday, February 26

Test #3: Thursday, March 21

Test #4: Thursday, April 18