

MATH 2413 – 1701 – SU2018 – LECTURES, HOMEWORK AND EXAMS  
CALENDAR

| Week Number | LECTURE MATERIAL   | HOMEWORK   |
|-------------|--|--|
| 1           |  |  |
| JULY 12     | <b>Syllabus</b><br><b>2.1: A Preview of Calculus</b><br><b>2.2: The Limit of a Function</b>      | <b>WebAssign HW1 and HW2 due July 23 by 11:59pm</b>    |
| 2           |  |  |
| JULY 16     | <b>2.3: The Limit Laws</b><br><b>2.4: Continuity – Part 1</b>                                    | <b>WebAssign HW3 due July 23 by 11:59pm</b>            |
| JULY 17     | <b>2.4: Continuity – Part 2</b><br><b>3.1: Defining the Derivative</b>                           | <b>WebAssign HW4 and HW5 due July 23 by 11:59pm</b>    |
| JULY 18     | <b>3.2: The Derivative as a Function</b><br><b>3.3: Differentiation Rules</b>                    | <b>WebAssign HW6 and HW7 due July 23 by 11:59pm</b>    |
| JULY 19     | <b>3.4: Derivatives as Rates of Change</b><br><b>3.5: Derivatives of Trigonometric Functions</b> | <b>WebAssign HW8 and HW9 due July 23 by 11:59pm</b>    |
| 3           |  |  |
| JULY 23     | <b>Review 1</b><br><b>Exam 1 covers Section 2.1 through 3.5</b>                                  |  |
| JULY 24     | <b>3.6: The Chain Rule</b><br><b>3.7: Derivatives of Inverse Functions – Part 1</b>              | <b>WebAssign HW10 due August 1 by 11:59pm</b>          |
| JULY 25     | <b>3.7: Derivatives of Inverse Functions – Part 2</b><br><b>3.8: Implicit Differentiation</b>    | <b>WebAssign HW11 and HW12 due August 1 by 11:59pm</b> |

MATH 2413 – 1701 – SU2018 – LECTURES, HOMEWORK AND EXAMS  
CALENDAR

| Week Number                           | LECTURE MATERIAL  | HOMEWORK  |
|---------------------------------------|---|---|
| JULY 26                               | <b>3.9: Derivatives of Exponential and Logarithmic Functions</b><br><b>4.1:Related Rates – Part 1</b> | <b>WebAssign HW13 due August 1 by 11:59pm</b>           |
| 4                                     |   |   |
| JULY 30                               | <b>4.1:Related Rates – Part 2</b><br><b>4.2:Linear Approximations and Differentials</b>               | <b>WebAssign HW14 and HW15 due August 1 by 11:59pm</b>  |
| JULY 31                               | <b>4.3:Maxima and Minima</b><br><b>4.4:The Mean Value Theorem</b>                                     | <b>WebAssign HW16 and HW17 due August 13 by 11:59pm</b> |
| AUGUST 1                              | <b>Review 2</b><br><b>Exam 2 Covers Section 3.6 through 4.2</b>                                       |   |
| AUGUST 2                              | <b>4.5:Derivatives and the Shape of a Graph</b><br><b>4.6:Limits at Infinity and Asymptotes</b>       | <b>WebAssign HW18 and HW19 due August 13 by 11:59pm</b> |
| 5                                     |   |   |
| AUGUST 6                              | <b>4.7: Applied Optimization Problems</b><br><b>4.8:L'Hôpital's Rule</b>                              | <b>WebAssign HW20 and HW21 due August 13 by 11:59pm</b> |
| AUGUST 7<br><b>(LAST DAY TO DROP)</b> | <b>4.9:Newton's Method</b><br><b>4.10: Antiderivatives</b>  | <b>WebAssign HW22 and HW23 due August 13 by 11:59pm</b> |
| AUGUST 8                              | <b>5.1:Approximating Areas</b><br><b>5.2: The Definite Integral</b>                                   | <b>WebAssign HW24 and HW25 due August 13 by 11:59pm</b> |
| AUGUST 9                              | <b>5.3: The Fundamental Theorem of Calculus</b><br><b>5.5: Substitution – Part 1</b>                  | <b>WebAssign HW26 due August 16 by 11:59pm</b>          |
| 6                                     |   |   |

MATH 2413 – 1701 – SU2018 – LECTURES, HOMEWORK AND EXAMS  
CALENDAR

| Week Number | LECTURE MATERIAL   | HOMEWORK  |
|-------------|--|---|
| AUGUST 13   | <b>Review 3</b><br><b>Exam 3 Covers Sections 4.3 through 5.2</b>   |   |
| AUGUST 14   | <b>5.5: Substitution – Part 2</b><br><b>5.6: Integrals Involving Exponential and Logarithmic Functions</b> | <b>WebAssign HW27 and HW28</b><br><b>due August 16 by 11:59pm</b> |
| AUGUST 15   | <b>5.7: Integrals Resulting in Inverse Trigonometric Functions</b><br><b>6.1: Areas between Curves</b>     | <b>WebAssign HW29 and HW30</b><br><b>due August 16 by 11:59pm</b> |
| AUGUST 16   | <b>Review 4</b><br><b>Final Exam is comprehensive with an emphasis on sections 5.3 through 6.1</b>         |   |