



Math 1B-33682

(Calculus II)

Professor Bob Prior

Spring 2020

Homework and Test Calendar

This is a list of the daily assignments. **Note: This is subject to change.** Please check back **often** for updates.

| Week | Day | Date | Discussion/Lab | Lab/Discussion |
|---|------|---------|---|---|
| 1 | Wed. | Feb. 19 | Introduction; MAT-1A Review: (i) Derivatives, (ii) Integrals (Definite/Indefinite), (iii) Def'n of Integral | |
| 2 | Mon. | Feb. 24 | 5.5 U-Substitution | LAB: U-Substitution |
| | Wed. | Feb. 26 | 7.1 Integration by Parts 7.2 Trig Integrals | |
| 3 | Mon. | Mar. 2 | LAB: Writing radical expressions onto Triangles | 7.3 Trig Substitution |
| | Wed. | Mar. 4 | 7.3 Trig Substitution | |
| Sunday, Mach 8, Last Day to Drop without a "W" | | | | |
| 4 | Mon. | Mar. 9 | 7.4 Integrals by Partial Fractions; "Unusual" substitution | LAB: Partial Fractions |
| | Wed. | Mar. 11 | 7.5 Integration Strategies; "Unusual" substitution | Test 1 Pretest |
| 5 | Mon. | Mar. 16 | Ch. 7 Test Preparation: | |
| | Wed. | Mar. 18 | Integral Test: Covers 5.5 + 7.1-7.5 | LAB: Improper Integrals |
| 6 | Mon. | Mar. 23 | 11.1 Sequences 11.2 Series | |
| | Wed. | Mar. 25 | 11.3 Integral Test 11.4 Comparison Tests | LAB: Telescoping Series |
| 7 | Mon. | Mar. 30 | 11.5 Alternating Series 11.6 Ratio & Root Tests | |
| | Wed. | Apr. 1 | LAB: Series Test Strategies | Ch. 11 Test Preparation |
| 8 | Mon. | Apr. 6 | Ch. 11 Test | 11.8 Power Series; 11.9 Functions as Power Series |
| | Wed. | Apr. 8 | LAB: Power Series | 11.10 Taylor and MacLaurin Series |
| SPRING BREAK April 13-17 | | | | |
| 9 | Mon. | Apr. 20 | Power Series Mini-Test | LAB: Area under a curve |
| | Wed. | Apr. 22 | 6.1 Area Between Two Curves 6.2 Volume, Disk Method | |
| 10 | Mon. | Apr. 27 | 6.2 Volume, Washer Method | LAB: Volume: Setting up the diagram and integral |
| | Wed. | Apr. 29 | 6.3 Volume: Shell Method 8.1 Arc Length | |
| 11 | Mon. | May 4 | 8.2 Area of Surface of Revolution | LAB: Surface Area: Setting up the diagram and integral |
| | Wed. | May 6 | Ch. 6 & 8 Test Prep | |

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| | | | 7.7 Simpson's Rule, Trapezoidal Rule | |
| 12 | Mon. | May 11 | Ch. 6 & 8 Test | LAB: Simpson's Rule & Trapezoidal Rule |
| | Wed. | May 13 | 6.4 Work | |
| 13 | Mon. | May 18 | LAB: Work applications | 6.5 Average Value of a Function |
| Friday, May 9, Last Day to Drop with a "W" | | | | |
| | Wed. | May 20 | 10.1 Parametric Equations 10.2 Calculus of Parametric Equations | |
| 14 | Mon. | May 25 | Holiday | |
| | Wed. | May 27 | LAB: Draw Param. Curves; find Equation of Tangent line at a point. | 10.2 Calculus of Parametric Equations |
| 15 | Mon. | June 1 | 10.3 Polar Coordinates | |
| | Wed. | June 3 | 10.4 Arc and Arc length of Polar Curves | LAB: Ch. 10 Test prep |
| | Wed. | June 29 | Ch. 10 Test | Final Exam Pretest |
| | Mon. | June 31 | Review for Final Exam | Review for Final Exam |
| 16 | Wed. | June 5 | Final Exam, 2:00-4:30 | |
| | Mon. | June 7 | No Class | |
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