**Math 122B**

**September 12 – December 5, 2018**

(MTWRF)-----(tentative schedule)

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| --- | --- | --- | --- | --- |
| Monday | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| Sep 10 | *Sep 11* | *Sep 12*  Introduction  2.1-How Do We Measure Speed? | *Sep 13*  2.1-continued  2.2-The Derivative at a Point | Sep 14 2.2-continued |
| Sep 17 2.3-The Derivative Function | Sep 18 2.4-Interpretations of the Derivative | Sep 19 2.4-continued | Sep 20 2.5-The Second Derivative | Sep 21 2.5-continued  **Last day to drop with deletion from record (Sept 22)** |
| Sep 24 2.6-Differentiability | Sep 25 2.6-continued | Sep 26 3.1-Powers and Polynomials | Sep 27 3.2-The Exponential Function | Sep 28 Review |
| Oct 1 **EXAM 1** | Oct 2 3.3-The Product and Quotient Rules | Oct 3 3.3-continued  **Last day to apply for GRO** | Oct 4 3.4-The Chain Rule | Oct 5 3.4- continued  Honors Convocation  3:30-5pm |
| Oct 8 3.5-The Trigonometric Functions | Oct 9 3.6-The Chain Rule and Inverse Functions | Oct 10 3.6- continued | Oct 11 3.7-Implicit Functions | Oct 12 3.7- continued |
| Oct 15 3.9-Linear Approximations | Oct 16 4.1-Using First and Second Derivatives | Oct 17 4.1- continued | Oct 18 Review | Oct 19 **EXAM 2** |
| Oct 22 4.2-Optimization | Oct 234.2- continued | Oct 24 4.3-Optimization and Modeling | Oct 25 4.3-Continued | Oct 26 4.4-Families of Functions and Modeling |

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| Monday | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| Oct 29 4.4-Continued | Oct 30 4.6-Rates and Related Rates | Oct 31 4.6- continued | Nov 1 4.7-L’Hopital’s Rule, Growth, and Dominance | Nov 2 4.7- continued  **Last day to withdraw with W**  **(Nov 4)** |
| Nov 5 Review | Nov 6 **EXAM 3** | Nov 7 5.1-How Do We Measured Distance Traveled | Nov 8 5.2-The Definite Integral | Nov 9 5.3-The Fundamental Theorem and Interpretations |
| Nov 12 **Veteran’s Day**  **No Classes** | Nov 13 5.3- continued  5.4-Theorems About Definite Integrals | Nov 14 5.4- continued | Nov 15 6.1-Antiderivatives Graphically and Numerically | Nov 16 6.1- continued |
| Nov 19 6.2-Constructing Antiderivatives Analytically | Nov 20 6.2- continued | Nov 21 6.3-Differential Equations and Motion | Nov 22 **Thanksgiving**  **No Classes** | Nov 23 **Thanksgiving**  **No Classes** |
| Nov 26 6.4-Second Fundamental Theorem of Calculus | Nov 27 6.4- continued | Nov 28 7.1-Integration by Substitution | Nov 29 Review | Nov 30 **EXAM 4** |
| Dec 3 7.1- continued | Dec 4 Review | Dec 5 Review | Dec 6 | Dec 7 |
| Dec 10 | Dec 11 **FINAL EXAM**  **1:00-3:00 pm** | Dec 12 | Dec 13 | Dec 14 |