

Homework Schedule Math 10550 Fall 2024

Note all deadlines are at 2:00 A.M., meaning that homework due on thurs. at 2:00 a.m. is essentially due on wed. night with a two hour extension.

| Class Date | Topic covered in class | HW Appears | HW Due |
|--------------|--|------------|------------------------|
| | Entering Math Answers in Webassign (not for credit) | Tue. 08/27 | Mon. 09/02 2:00 a.m. |
| 08/28 Wed. | 1.1-1.3. Review of Functions | Tue. 08/27 | Mon. 09/02 2:00 a.m. |
| 08/30 Fri. | 1.4. Ave., Tangent and Velocity | Wed. 08/28 | Tue. 09/03 2:00 a.m. |
| 09/02 Mon. | 1.5. Limit of a Function | Fri. 08/30 | Thurs. 09/05 2:00 a.m. |
| 09/04 Wed. | 1.6. Calculating limits using the limit laws | Mon. 09/02 | Mon. 09/09 2:00 a.m. |
| 09/06 Fri. | 1.8. Continuity | Wed. 09/04 | Tue. 09/10 2:00 a.m. |
| 09/09 Mon. | 2.1. Derivatives and rates of change | Fri. 09/06 | Thurs. 09/12 2:00 a.m. |
| 09/11 Wed. | 2.2. The derivative as a function | Mon. 09/09 | Mon. 09/16 2:00 a.m. |
| 09/16 Mon. | 2.3. Differentiation formulas | Wed. 09/11 | Thur. 09/19 2:00 a.m. |
| 09/18 Wed. | 2.4. Derivatives of trigonometric functions | Mon. 09/16 | Mon. 09/23 2:00 a.m. |
| 09/20 Fri. | 2.5. The Chain Rule | Wed. 09/18 | Tue. 09/24 2:00 a.m. |
| 09/23 Mon. | 2.6. Implicit differentiation | Fri. 09/20 | Fri. 09/27 2:00 a.m. |
| 09/25 Wed. | Review for Exam 1 | | |
| 09/27 Fri. | Return of Exam 1 | | |
| 09/30 Mon. | 2.7. Rate of change in the natural and social sciences | Fri. 09/27 | Thur. 10/03 2:00 a.m. |
| 10/02 Wed. | 2.8. Related Rates | Mon. 09/30 | Mon. 10/07 2:00 a.m. |
| 10/04 Fri. | 2.9. Linear approximation and differentials | Wed. 10/02 | Tue. 10/08 2:00 a.m. |
| 10/07 Mon. | 3.1. Maximum and minimum values | Fri. 10/04 | Thur. 10/10 2:00 a.m. |
| 10/09 Wed. | 3.2. The Mean Value Theorem | Mon. 10/07 | Mon. 10/14 2:00 a.m. |
| 10/11-14 F/M | 3.3. How derivatives affect the shape of a graph | Wed. 10/09 | Fri. 10/18 2:00 a.m. |
| 10/16 Wed. | Review for Exam 2 | | |
| 10/18 Fri. | Return of Exam 2 | | |
| | Fall Break | | |
| 10/28 Mon. | 3.4. Limits at infinity; horizontal asymptotes | Fri. 10/18 | Thurs. 10/31 2:00 a.m. |
| 10/30 Wed. | 3.5. Summary of curve sketching | Mon. 10/28 | Mon. 11/04 2:00 a.m. |
| 11/01 Fri. | 3.7. Optimization problems | Wed. 10/30 | Tue. 11/05 2:00 a.m. |
| 11/04 Mon. | 3.8. Newton's Method | Fri. 11/01 | Thurs. 11/07 2:00 a.m. |
| 11/06 Wed. | 3.9. Antiderivatives | Mon. 11/04 | Mon. 11/11 2:00 a.m. |
| 11/08 Fri. | 4.1. Areas and distances | Wed. 11/06 | Tue. 11/12 2:00 a.m. |
| 11/11 Mon. | 4.2. The definite integral | Fri. 11/08 | Thur. 11/14 2:00 a.m. |
| 11/13 Wed. | 4.3. The Fundamental Theorem of Calculus | Mon. 11/11 | Mon. 11/18 2:00 a.m. |
| 11/15 Fri. | 4.4. Indefinite integrals and the Net Change Theorem | Wed. 11/13 | Tue. 11/19 2:00 a.m. |
| 11/18 Mon. | 4.5. The Substitution Rule | Fri. 11/15 | Fri. 11/22 2:00 a.m. |
| 11/20 Wed. | Review for Exam 3 | | |
| 11/22 Fri. | Return of Exam 3 | | |
| 11/25 Mon. | 5.1. Area between curves | Mon. 11/18 | Mon. 12/02 2:00 a.m. |
| 11/27-29 W/F | Thanksgiving Break | | |
| 12/02 Mon. | 5.2. Volumes | Mon. 11/25 | Thur. 12/05 2:00 a.m. |
| 12/04 Wed. | 5.3. Volumes by cylindrical shells | Mon. 12/02 | Mon. 12/09 2:00 a.m. |
| 12/06 Fri. | 5.4. Work | Wed. 12/04 | Tue. 12/10 2:00 a.m. |
| 12/09 Mon. | 5.5. Average value of a function | Fri. 12/06 | Thur. 12/12 2:00 a.m. |
| 12/11 Wed. | Review for Final | | |