

Lecture, Homework, and Exam Schedule for APPM 2350, Spring 2025

Week	Date	Section covered in Lecture (with hardcopy textbook page numbers)	WebAssign HW	Due (Sun, Tue, or Thu.)	Written HW	Due (Wed, except for exam weeks.)
1	Mon, Jan 13 Wed, Jan 15 Fri, Jan 17	3D space coordinates - (10.1, pp 543-547) Vectors - (10.2, pp 548-555) Dot Product - (10.3, pp 557-561) / Cross Product (10.4(1), pp 564-570)	10.1 10.2 10.3	Jan 16 Jan 19 Jan 21	HW01 (Ch. 9 Review)	Jan 15
2	Mon, Jan 20 Wed, Jan 22 Fri, Jan 24	No Classes Cross Product (10.4(2)) / Lines and Planes (10.5(1), pp 572-578) Lines and Planes (10.5(2)) / Quadric Surfaces (10.6(1), pp 580-585)	10.4 10.5	Jan 23 Jan 26	HW02 (10.1-10.3)	Jan 22
3	Mon, Jan 27 Wed, Jan 29 Fri, Jan 31	Quadric Surfaces (10.6(2)) / Vector Functions (10.7(1), pp 586-594) Vector Functions (10.7(2)) Arc Length and TNB (10.8(1), pp 597-603)	10.6 10.7	Jan 28 Jan 30	HW03 (10.4-10.5)	Jan 29
4	Mon, Feb 3 Wed, Feb 5 Fri, Feb 7	Arc Length and TNB (10.8(2)) / Motion in Space (10.9(1), pp 606-611) Motion in Space (10.9(2)) / Multivariable Functions (11.1(1), pp 621-628) Multivariable Functions (11.1(2)) / Limits and Continuity (11.2(1), pp 632-637)	10.8/10.9 11.1	Feb 6 Feb 16	HW04 (10.6-10.7)	Feb 5
5	Mon, Feb 10 Wed, Feb 12 Fri, Feb 14	Limits and Continuity (11.2(2)) / Partial Derivatives (11.3(1), pp 639-644) Review Partial Derivatives (11.3(2))	11.2 Exam 1, Ch 10 6:45 - 8:15 pm 11.3	Feb 18 Feb 20	HW05 (10.8-10.9)	Mon, Feb. 10
6	Mon, Feb 17 Wed, Feb 19 Fri, Feb 21	Tangent Plane and Differentials (11.4, pp 647-653) Taylor Series (1) (Supplemental Reading) Taylor Series (2) / Chain Rule (11.5(1), pp 655-661)	11.4	Feb 23	HW06 (11.1-11.3)	Feb 19
7	Mon, Feb 24 Wed, Feb 26 Fri, Feb 28	Chain Rule (11.5(2)) / Directional Derivative and Gradient (11.6(1), pp 664-672) Directional Derivative and Gradient (11.6(2)) / Extrema (11.7(1), pp 675-681) Extrema (11.7(2)) / Lagrange Multipliers (11.8(1), pp 683-687)	11.5 11.6 11.7	Feb 25 Feb 27 Mar 2	HW07 (11.4-11.5, Taylor Series)	Feb 26
8	Mon, Mar 3 Wed, Mar 5 Fri, Mar 7	Lagrange Multipliers (11.8(2)) Double Integrals over Rectangles (12.1, pp 695-704) Double Integrals over General Regions (12.2, pp 706-713)	11.8 12.1/12.2	Mar 6 Mar 13	HW08 (11.6-11.7)	Mar 5
9	Mon, Mar 10 Wed, Mar 12 Fri, Mar 14	Double Integrals in Polar Coordinates (12.3, pp 715-719) Review Mass and Moments (12.4, pp 721-725)	12.3 Exam 2, 11.1-11.8 and Taylor Series, 6:45-8:15 pm 12.4	Mar 16 Mar 18	HW09 (11.8)	Mon, Mar 10
10	Mon, Mar 17 Wed, Mar 19 Fri, Mar 21	Triple Integrals (12.5(1), pp 726-734) Triple Integrals (12.5(2)) / Triple Integrals in Cylindrical Coordinates (12.6(1), pp 737-740) Triple Integrals in Cylindrical Coordinates (12.6(2)) / Triple Integrals in Spherical Coordinates (12.7(1), pp 741-745)	12.5	Mar 20	HW10 (12.1-12.4)	Mar 19
11	Mon, Mar 24 Wed, Mar 26 Fri, Mar 28	no class no class no class				
12	Mon, Mar 31 Wed, Apr 2 Fri, Apr 4	Triple Integrals in Spherical Coordinates (12.7(2)) / Change of Variables in Multiple Integrals (12.8(1), pp 748-755) Change of Variables in Multiple Integrals (12.8(2)) / Scalar Line Integrals (Supplemental Reading) (13 Scalar Line Integrals (13A(2)) / Vector Fields (13B(1), pp 761-765, 795-799)	12.6/12.7 12.8 13A	Apr 1 Apr 3 Apr 6	HW11 (12.5-12.7)	Apr 2
13	Mon, Apr 7 Wed, Apr 9 Fri, Apr 11	Vector Fields (13B(2)) / Vector Line and Surface Integrals (13C(1), pp 774-776, supplemental reading) / Vector Line and Surface Integrals (13C(2)) / Fundamental Theorem of Line Integrals (13D(1), pp 779-783) Fundamental Theorem of Line Integrals (13D(2))	13B 13C 13D	Apr 8 Apr 20 Apr 22	HW12 (12.8-13A)	Apr 9
14	Mon, Apr 14 Wed, Apr 16 Fri, Apr 18	Green's Theorem (13E(1), pp 788-793, 799-801) Review Green's Theorem (13E(2))	Exam 3, 12.1-12.8 and 13A-13B 6:45-8:15 pm 13E	Apr 24	HW 13 (13B)	Mon., Apr 14
15	Mon, Apr 21 Wed, Apr 23 Fri, Apr 25	Stokes' Theorem (13F(1), pp. 824-828) Stokes' Theorem (13F(2)) Divergence Theorem (13G(1), pp 829-834)	13F	Apr 29	HW14 (13C-13D)	Apr 23
16	Mon, Apr 28 Wed, Apr 30	Divergence Theorem (13G(2)) Review	13G	May 1	HW15 (13E-13G)	Not submitted or graded
Final Exam (cumulative): Wed. May 7, 10:30am-1pm						