LB 220 FS15 Sections 001 & 002 Course Calendar

Date: Topic; Assignment Due

9/2: §11.1–11.3 Vectors and the Dot Product

9/4: §11.1–11.3 Vectors and the Dot Product, continued

9/8: Recitation: introduction to vectors

9/9: §11.4 The Cross Product

9/11: §11.5 Lines and Planes in $\mathbb{R}^3$; EWA 1–3 (§11.1–11.3) due; HW 1 due

9/14: §11.6 Surfaces in $\mathbb{R}^3$

9/15: Recitation; Quiz 1

9/16: §11.7 Cylindrical and Spherical Coordiantes in $\mathbb{R}^3$

9/18: Chapter 11 Review; Worksheet 1; EWA 4–6 (§11.4–11.6) due; HW 2 due

9/21: §12.1 Vector-valued Functions; Worksheet 2;

9/22: Recitation; Quiz 2

9/23: §12.2 Derivatives of Vector-valued Functions EWA 7 (§11.7) due

9/25: §Chapter 12 Review EWA 8 (§12.1) due; HW 3 due

9/28: §13.1 Functions of Several Variables; Worksheet 3; EWA 9 (§12.2) due

9/29: Recitation; Quiz 3

9/30: §13.2 Limits of Functions of Several Variables

10/2: Exam I, Friday, October 2; topics: §11.1–11.7, 12.1–12.2

10/5: §13.3 Partial Derivatives EWA 10 (§13.1 due)

10/6: Recitation; Quiz 4

10/7: §13.4–13.5 Differentiable Functions and the Chain Rule; Worksheet 4; EWA 11 (§13.2) due; HW 4 due

10/9: §13.6 The Gradient and Directional Derivatives EWA 12 (§13.3) due

10/12: §13.7 Tangent Planes and Normal Lines

10/13: Recitation; Quiz 5

10/14: §13.8 Extrema of Functions of Two Variables EWA 13 (13.4–13.5) due; HW 5 due

10/16: §13.9 Applications of Extrema; Worksheet 5; EWA 14 (13.6) due

10/19: §13.10 Lagrange Multipliers

10/20: Recitation; Quiz 6

10/21: §Chapter 13 Review Worksheet 6; EWA 15 (13.7) due; HW 6 due

10/23: §14.1 Iterated Integrals EWA 16 (13.8) due

10/26: §14.2 Double Integrals EWA 17 (13.9–13.10) due

10/27: Recitation; exam review

10/28: Exam II, Wednesday, October 28; topics: §13.1–13.10

10/30: §14.2 Double Integrals, continued

11/2: §14.3 Change of Variables Using Polar Coordinates EWA 18 (§14.1) due; HW 7 due

11/3: Recitation; Quiz 7

11/4: §14.5 Surface Area EWA 19 (§14.2)

11/6: 14.6 Triple Integrals; Worksheet 7; EWA 20 (§14.3) due

11/9: §14.6 Triple Integrals, continued; Worksheet 8; HW 8 due

11/10: Recitation; Quiz 8

11/11: §14.7 Change of Variables Using Cylindrical or Spherical EWA 21 (§14.5) due

11/13: §14.8 Change of Variables Using the Jacobian EWA 22 (§14.6, part 1) due

11/16: §Chapter 14 Review (pp. 330–339); EWA 23 (§14.6, part 2) due; HW 9 due

11/17: Recitation; Quiz 9

11/18: §15.1 Vector Fields EWA 24 (§14.7) due

11/20: §15.2 Line Integrals;j Worksheet 9; EWA 25 (§14.8) due

11/23: Exam III, Monday, November 23; topics: §14.1–14.8

11/24: Recitation; substitution rule review

11/25: *** No class on Wednesday, November 25; see Final Exam Review ***

11/30: §15.4 Green's Theorem

12/1: Recitation; Quiz 10

12/2: §15.4 Green's Theorem, continued EWA 26 (§15.1) due; HW 10 due

12/4: §15.5 Parametric Surfaces; Worksheet 10; EWA 27 (§15.2) due

12/7: §15.6 Surface Integrals (pp. 455–465); EWA 28 (§15.3) due

12/8: Recitation; Quiz 11

12/9: §15.7–15.8 The Divergence Theorem and Stokes's Theorem; EWA 29 (§15.4) due; HW 11 due

12/11: Chapter 15 Review; Worksheet 11; EWA 30 (§15.5–15.6) due

12/13: Final Exam Review on Sunday, December 13, time/location TBD; EWA 31 (§15.7–15.8) due

12/14: Final Exam, Thursday, December 17, 7:45 a.m.–9:45 a.m.

*** The final is in our usual classroom. The final is comprehensive. ***