

LB 118 FS15 Sections 009 & 010 Course Calendar

Date: Topic; Assignment Due

- 9/2: A Preview of Calculus (pp. 1–8)
- 9/4: §1.1–1.3 Functions (pp. 10–45)
- 9/8: Recitation: precalculus review
- 9/9: §1.4 The Tangent and Velocity Problems (pp. 45–50)
- 9/11: §1.5 The Limit of a Function (pp. 50–62); EWA 1–3 (Appendices A & D, §1.1–1.3) due; HW 1 due
- 9/14: §1.6 Calculating Using the Limit Laws (pp. 62–72);
- 9/15: Recitation; Quiz 1
- 9/16: § 1.8 Continuity (pp. 82–94);
- 9/18: Chapter 1 Review (pp. 94–97); Worksheet 1; EWA 4–6 (§1.4–1.6) due; HW 2 due
- 9/21: §2.1 Derivatives and Rates of Change (pp. 106–116); Worksheet 2;
- 9/22: Recitation; Quiz 2
- 9/23: §2.2 The Derivative as a Function (pp. 117–130); EWA 7 (§1.8) due
- 9/25: §2.3 Differentiation Formulas (pp. 130–144); EWA 8 (§2.1) due; HW 3 due
- 9/28: §2.3, continued; Worksheet 3; EWA 9 (§2.2) due
- 9/29: Recitation; Quiz 3
- 9/30: §2.4 Derivatives of Trigonometric Functions (pp. 144–152)
- 10/2: Exam I, Friday, October 2; topics: §1.1–1.6, 1.8, 2.1–2.2
- 10/5: §2.5 The Chain Rule (pp. 152–160); EWA 10 (§2.3) due
- 10/6: Recitation; Quiz 4
- 10/7: §2.5, continued; Worksheet 4; EWA 11 (§2.4) due; HW 4 due
- 10/9: §2.6 Implicit Differentiation (pp. 161–168); EWA 12 (§2.5) due
- 10/12: §2.7 Rates of Change in the Sciences (pp. 169–181)
- 10/13: Recitation; Quiz 5
- 10/14: §2.8 Related Rates (pp. 181–188); EWA 13 (2.6) due; HW 5 due

10/16: Chapter 2 Review (pp. 195–199); Worksheet 5; EWA 14 (2.7) due

10/19: §3.1 Maximum and Minimum Values (pp. 204–213)

10/20: Recitation; Quiz 6

10/21: §3.2 The Mean Value Theorem (pp. 215–220); Worksheet 6; EWA 15 (2.8) due; HW 6 due

10/23: §3.3 How Derivatives Affect the Shape of a Graph (pp. 221–231); EWA 16 (3.1) due

10/26: §3.4 Limits at Infinity; Horizontal Asymptotes (pp. 231–244); EWA 17 (3.2) due

10/27: Recitation; exam review

10/28: Exam II, Wednesday, October 28; topics: §2.3–2.8, 3.1–3.2

10/30: §3.7 Optimization Problems (pp. 258–270)

11/2: §3.7, continued; EWA 18 (§3.3) due; HW 7 due

11/3: Recitation; Quiz 7

11/4: §3.9 Antiderivatives (pp. 278–284); EWA 19 (§3.4)

11/6: Chapter 3 Review (pp. 285–288); Worksheet 7; EWA 20 (§3.7) due

11/9: §4.1 Areas and Distances (pp. 294–306); Worksheet 8; HW 8 due

11/10: Recitation; Quiz 8

11/11: §4.2 The Definite Integral (pp. 306–319); EWA 21 (§3.9) due

11/13: §4.3 The Fundamental Theorem of Calculus (pp. 320–330); EWA 22 (§4.1) due

11/16: §4.4 Indefinite Integrals; the Net Change Theorem (pp. 330–339); EWA 23 (§4.2) due; HW 9 due

11/17: Recitation; Quiz 9

11/18: §4.5 The Substitution Rule (pp. 340–347); EWA 24 (§4.3) due

11/20: Chapter 4 Review (pp. 348–351); Worksheet 9; EWA 25 (§4.4) due

11/23: Exam III, Monday, November 23; topics: §3.3, 3.4, 3.7, 3.9, 4.1–4.4

11/24: Recitation; substitution rule review

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

11/30: §6.1 Inverse Functions (pp. 400–407)

- 12/1: Recitation; Quiz 10
- 12/2: §6.2* The Natural Logarithmic Function (pp. 438–447); EWA 26 (§4.5) due; HW 10 due
- 12/4: §6.3* The Natural Exponential Function (pp. 447–455); Worksheet 10; EWA 27 (§6.1) due
- 12/7: §6.4* General Logarithmic and Exponential Functions (pp. 455–465); EWA 28 (§6.2) due
- 12/8: Recitation; Quiz 11
- 12/9: §6.5 Exponential Growth and Decay (pp. 466–473); EWA 29 (§6.3) due; HW 11 due
- 12/11: Chapter 6 Review (pp. 503–507); Worksheet 11; EWA 30 (§6.4) due
- 12/13: Final Exam Review on Sunday, December 13, time/location TBD; EWA 31 (§6.5) due
- 12/14: Final Exam, Monday, December 14, 12:45 p.m. – 2:45 p.m.
- *** The final is in our usual classroom. The final is comprehensive. ***