January 6. Introduction and review (Ch. I)
January 8. Ascoli’s theorem (Ch. I)
January 10. Hilbert spaces (Sec. II.1)
January 13. Riesz lemma (Sec. II.2)
January 15. Orthonormal bases (Sec. II.3)
January 17. Orthonormal bases, continued (Sec. II.3)
January 22. Banach spaces and duals (Sec. III.1-III.2)
January 24. Hahn-Banach theorem (Sec. III.3)
January 27. Hahn-Banach theorem, continued, operations on Banach spaces (Sec. III.3-III.4)
January 29. Baire category theorem and consequences
January 31. Baire category theorem and consequences, continued (Sec. III.5),
Topological spaces (Sec. IV.1)
February 3. Weak topologies on Banach spaces (Sec. IV.5)
February 5. Compactness (Sec. IV.3)
February 7. Stone-Weierstrass theorem (Sec. IV.3)
February 10. Banach-Alaoglu theorem (Sec. IV.5)
February 12. Midterm
February 14. Riesz-Markov theorem (Sec. IV.4)
February 19. Locally convex spaces (Sec. V.1)
February 21. Locally convex spaces (cont’d), Fréchet spaces (Sec V.1-2)
February 24. Schwartz functions and tempered distributions (Sec. V.3)
February 26. Schwartz functions and tempered distributions, continued (Sec. V.3)
February 28. Bounded operators, adjoints (Sec. VI.1-2)
March 2. The spectrum (Sec. VI.3)
March 4. The spectrum, continued (Sec. VI.3)
March 6. Compact operators (Sec. VI.5)
March 9. Compact operators, continued (Sec. VI.5)
March 11. Compact operators, continued (Sec. VI.5)
March 13. The continuous functional calculus (Sec. VII.1-2)

Note: The schedule is still subject to change.