

Class Schedule

Wednesday	Jan. 30	topic: Introduction: Waves, Electromagnetic's and Modern
Friday	Feb. 1	topic: Traveling Waves read: chapter 20, sections 1, 2, 3
Monday	Feb. 4	topic: Waves in Three Dimensions: Sound and Light read: chapter 20, sections 4, 5, 6
Wednesday	Feb. 6	topic: Standing Waves read: chapter 21, sections 1, 2, 3
Friday	Feb. 8	topic: Interference and Beats read: chapter 21, sections 4, 5, 6, 7, 8
Monday	Feb. 11	topic: Wave Optics and Interference read: chapter 22, sections 1, 2, 3
Wednesday	Feb. 13	topic: Diffraction read: chapter 22, sections 4, 5, 6
Friday	Feb. 15	topic: Ray Optics and Reflection read: chapter 23, sections 1 through 3
Monday	Feb. 18	topic: Refraction and Image Formation read: chapter 23, sections 3 through 5
Wednesday	Feb. 20	topic: Lenses read: chapter 23, sections 6 through 8
Friday	Feb. 22	topic: Electrostatic Force: Coulomb's Law read: chapter 25, sections 1 through 4
Monday	Feb. 25	topic: The Electric Field read: chapter 25, sections 5, 6; chapter 26, sections 1, 2, 6, 7
Tuesday	Feb. 26	- Review for Exam #1 6:00pm
Wednesday	Feb. 27	- Exam #1 - covers material from Jan. 30 through Feb. 20
Friday	Feb. 29	topic: Electric Field for Continuous Charge Distribution read: chapter 26, sections 3 through 5
Monday	Mar. 3	topic: Electric Field Lines and Gauss's Law read: chapter 27, sections 1 through 4

Wednesday	Mar. 5	topic: Electric Current and Batteries read: chapter 28, sections 1 through 3
Friday	Mar. 7	topic: Electric Current and Resistance read: chapter 28, sections 4 and 5
- Spring Break - March 9, 5:00PM - March 17, 8:00AM		
Monday	Mar. 17	topic: Electric Potential Energy read: chapter 29, sections 1 through 4
Wednesday	Mar. 19	topic: Examples of Electric Potential read: chapter 29, sections 5 through 7
- Easter Break – March 20 5:00PM – March 25 8:00AM		
Wednesday	Mar. 26	topic: Connection between Potential and Fields read: chapter 30, sections 1 through 4
Friday	Mar. 28	topic: Capacitors read: chapter 30, sections 5 through 7
Monday	Mar. 31	topic: Kirchhoff's Laws read: chapter 31, sections 1, 2, 4, 5, and 7
Wednesday	Apr. 2	topic: Electric Circuits read: chapter 31, sections 3, 6, 8 through 10
Friday	Apr. 4	topic: The Magnetic Field read: chapter 32, sections 1 through 4
Monday	Apr. 7	topic: Ampere's Law read: chapter 32, section 5 through 7
Tuesday	Apr. 8	- Review for Exam #2 6:00pm
Wednesday	Apr. 9	- Exam #2 - covers material from Feb. 22 through Apr. 2
Friday	Apr. 11	topic: Magnetic Force on a Current-Carrying Wire read: chapter 32, sections 8 through 10
Monday	Apr. 14	topic: Faraday's Law read: chapter 33, sections 1 through 5

Wednesday	Apr. 16	topic: Electromagnetic Induction read: chapter 33, sections 6 through 10
Friday	Apr. 18	topic: Maxwell's Equations and Electromagnetic Wave read: chapter 34, section 1 through 8, sections 3, 4 lightly
Monday	Apr. 21	topic: Alternating-Current Circuits read: chapter 35, sections 1, 2, 4 through 6
Wednesday	Apr. 23	topic: Special Theory of Relativity read: chapter 36, sections 1 through 5
Friday	Apr. 25	topic: Relativistic Dynamics read: chapter 36, sections 6, 7, 9, 10
Monday	Apr. 28	topic: End of the Classical Period read: chapter 37, sections 1 through 9
Wednesday	Apr. 30	topic: Origins of the Quantum Theory read: chapter 38, sections 1 through 4
Friday	May 2	topic: Atomic Theory/ Bohr Atom read: chapter 38, sections 5 through 7; chapter 24, section 5
Monday	May 5	topics: Quantum Theory and Matter Waves read: chapter 39, sections 1 - 6, chapter 24, sections 1 - 4
Wednesday	May 7	- Exam #3 - covers material from Apr. 4 through May 5
Thursday	May 8	- Reading Day
Friday	May 9	topic: Review
Thursday	May 15	-Finals Exam 2:00pm

***Great job and
have a wonderful Summer!***