

## DAILEY SCHEDULE

Wednesday	Jan. 25	<b>topic:</b> Introduction: Electromagnetic's and Modern Physics
Friday	Jan. 27	<b>topic:</b> Electrostatic Force: Coulomb's Law <b>read:</b> chapter 25, sections 1 through 4
Monday	Jan. 30	<b>topic:</b> The Electric Field <b>read:</b> chapter 25, sections 5 and 6, chapter 26, sections 1, 2, 6, and 7
Wednesday	Feb. 1	<b>topic:</b> Electric Field for Continuous Charge Distribution <b>read:</b> chapter 26, sections 3 through 5
Friday	Feb. 3	<b>topic:</b> Electric Field Lines and Gauss's Law <b>read:</b> chapter 27, sections 1 through 6 read section 5 lightly chapter 34, section 1 to middle of page 1086
Monday	Feb. 6	<b>topic:</b> Electric Current and Resistance <b>read:</b> chapter 28
Wednesday	Feb. 8	<b>topic:</b> Electric Potential Energy <b>read:</b> chapter 29, sections 1 through 4
Friday	Feb. 10	<b>topic:</b> Examples of Electric Potential <b>read:</b> chapter 29, sections 5 through 7
Monday	Feb. 13	<b>topic:</b> Connection Between Potential and Fields <b>read:</b> chapter 30, sections 1 through 4
Wednesday	Feb. 15	<b>topic:</b> Capacitors <b>read:</b> chapter 30, sections 5 through 7
Friday	Feb. 17	<b>topic:</b> Electric Circuits <b>read:</b> chapter 31, sections 1, 2, 4, 5, and 7
Monday	Feb. 20	<b>topic:</b> Kirchhoff's Laws <b>read:</b> chapter 31, sections 3, 6, 8 through 10
Wednesday	Feb. 22	<b>topic:</b> The Magnetic Field <b>read:</b> chapter 32, sections 1 through 4
Friday	Feb. 24	<b>- Exam #1 - covers material from Jan. 25 through Feb. 20</b>
Monday	Feb. 27	<b>topic:</b> Ampere's Law <b>read:</b> chapter 32, section 5 through 7
Wednesday	March 1	<b>topic:</b> Magnetic Force on a Current-Carrying Wire <b>read:</b> chapter 32, sections 8 through 10
Friday	March 3	<b>topic:</b> Faraday's Law

**read:** chapter 33, sections 1 through 5

**- Spring Break - March 3, 5:00PM - March 13, 8:00AM**

Monday	March 13	<b>topic:</b> Electromagnetic Induction <b>read:</b> chapter 33, sections 6 through 10
Wednesday	March 15	<b>topic:</b> Maxwell's Equations <b>read:</b> chapter 34, section 1 through 5, read sections 3 and 4 lightly
Friday	March 17	<b>topic:</b> Electromagnetic Wave <b>read:</b> chapter 34, sections 6 through 8
Monday	March 20	<b>topic:</b> Alternating-Current Circuits <b>read:</b> chapter 35, sections 1 through 6
Wednesday	March 22	<b>topic:</b> Wave Optics <b>read:</b> chapter 22, sections 1 through 3
Friday	March 24	<b>topic:</b> Interference and Diffraction <b>read:</b> chapter 22, sections 4 through 6
Monday	March 27	<b>- Exam #2 - covers material from Feb. 22 through March 20</b>
Wednesday	March 29	<b>topic:</b> Ray Optics and Reflection <b>read:</b> chapter 23, sections 1 through 3
Friday	March 31	<b>topic:</b> Refraction and Image Formation <b>read:</b> chapter 23, sections 3 through 5
Monday	April 3	<b>topic:</b> Lenses <b>read:</b> chapter 23, sections 6 through 8
Wednesday	April 5	<b>topic:</b> Special Theory of Relativity <b>read:</b> chapter 36, sections 1 through 4
Friday	April 7	<b>topic:</b> Results of Relativity <b>read:</b> chapter 36, sections 5 through 7
Monday	April 10	<b>topic:</b> Relativistic Dynamics <b>read:</b> chapter 36, sections 8 through 10
Wednesday	April 12	<b>topic:</b> End of the Classical Period <b>read:</b> chapter 37, sections 1 through 9
Friday	April 14	<b>- Good Friday</b>
		<b>- Easter Break – April 13 4:00PM – April 18 8:00AM</b>

Wednesday	April 19	<b>topic:</b> Origins of the Quantum Theory <b>read:</b> chapter 38, sections 1 through 4
Friday	April 21	<b>topic:</b> Atomic Theory/ Bohr Atom (short class Jr/Sr Day) <b>read:</b> chapter 38, sections 5 through 7; chapter 24, section 5
Monday	April 24	<b>topics:</b> Quantum Theory <b>read:</b> chapter 39, sections 1 through 6
Wednesday	April 26	<b>topics:</b> Matter Waves <b>read:</b> chapter 24, sections 1 through 4
Friday	April 28	<b>- Exam #3 - covers material from March 22 through April 26</b>
Monday	May 1	<b>topic:</b> Nuclear Physics <b>read:</b> chapter 42, sections 1 through 4
Wednesday	May 3	<b>topic:</b> Radioactivity <b>read:</b> chapter 42, sections 5 through 7
Friday	May 5	<b>topic:</b> Review
Monday	May 8	<b>-Finals Start - Monday, May 8 - Friday, May 12</b>

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