

**Lesson Plans – Kovalcin**  
**SP Physics - G201- Pd 9/10**

**Week**  
**Beginning ⇨**

**May 18, 2009**

**SP Physics - Daily Activities**

**Content Covered - Unit Plan**

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**Introduce/Develop:** Impedance [ $X_L$  &  $X_C$ ], impedance, phase angle, phase relationships [demonstrate], RMS, power factor & RCL circuits.  
**Assign:** [HW 129 #1-3 Magnetic Inductance & Circuits](#)  
[HW 130 #4-7 Inductance & Impedance](#) for Wednesday

**Proficiencies addressed:**  
 42. Demonstrate the ability to calculate magnetic flux and to use both Faraday's Law and Lenz's Law to predict the resulting EMF within an appropriate conducting element. (CCCS#5.7)

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**Senior Projects!**

**Assigned Reading:** Magnetic Forces & Fields  
 11:8a-n Magnetic forces on Moving Charges  
 11:9a-j Magnetic Forces & Current  
 11:10a-f Magnetic Fields & Current

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**Review:** [HW 129 #1-3 Magnetic Inductance & Circuits](#)  
[HW 130 #4-7 Inductance & Impedance](#)  
**Give:** [Quiz#33 - RCL Circuits](#)  
**Announce:** [Test - Magnetic Inductance](#) for Friday

**Written Assignments for this topic will include:**  
[HW 129 #1-3 Magnetic Inductance & Circuits](#)  
[HW 130 #4-7 Inductance & Impedance](#)

**Senior Projects!**

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**Senior Projects!**

**Evaluations:** Magnetic Forces & Fields  
[Quiz#33 - RCL Circuits](#)  
[Test - Magnetic Inductance](#)

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**Give:** [Test - Magnetic Inductance](#)

**Senior Projects!**

**The overall goals for this week will be:**  
 To Complete the development of Magnetic Flux and EMF's and Inductance,