

Cover Sheet -- Planned Course Overview

- A. Planned Course Title: Physics I Course Number: S403
- B. Grade Level: 11-12 Level/Track:
- C. Board Approval Date: 8/24/09
- D. Instructional Time:
1. Length of course in weeks: 36
  2. Number of class periods per week: 7 per 6 day cycle
  3. Length of class periods: 42 minutes
  4. Total clock hours/credit for course: 1.0 credit

- E. List of the units of study within the course and estimated number of weeks allotted to each:

<u>Unit</u>	<u>Estimated Time</u>
1. History, Math, Science, Measurement Systems Ch 1 (PA Stds 3.1.12-B,C,D,E 3.2.12-A,C 3.4.12-C)	2 weeks
2. Linear Motion Ch 2,3,4 (PA Stds 3.1.12-C,D 3.2.12-A,B,C 3.4.12-C 3.7.12-A,B,D)	5 weeks
3. External and Internal Forces Ch 5,6,7,13 (PA Stds 3.1.12-B,C,D 3.2.12-A,B,C,D 3.4.12-C)	5 weeks
4. Work, Power and Energy Ch 9 (PA Stds 3.1.12-B,C,D 3.2.12-A,B 3.4.12-A,B,C 3.7.12-B,D)	4 weeks
5. Momentum Ch 8 (PA Stds 3.1.12-B,C,D 3.2.12-A,B 3.4.12-A,B,C 3.7.12-B,D)	5 weeks
6. Circular Motion Ch 10,12, 14 (PA Stds 3.1.12-B,C,D,E 3.2.12-A,B,C 3.4.12-C,D 3.7.12-A,B,D)	5 weeks
7. Rotational Equilibrium Ch 11 (PA Stds 3.1.12-A,B,C,D 3.2.12-A,B,C,D 3.4.12-B,C 3.7.12-A,B,C)	6 weeks
8. DC Electrical Circuits Ch 34,35 (PA Stds. 3.1.12-A,B,C,D 3.2.12-A,B,C,D)	4 weeks

- F. The texts or major resources for the course:

Title: Conceptual Physics  
Author: Paul G. Hewitt  
Publisher: Prentice Hall  
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- G. Special Notes:

- H. Name(s) of the committee members who developed the planned course:  
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