Science 122

Wednesday, October 26/16

Midterm - Tuesday, Nov. 15/16

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1. Optics Lab - Due: Today, Oct. 26/16
2. Topic Fluid Mechanics
3. Hydrostatics vs Hydrodynamics
4. Mass Density
5. Specific Gravity
6. Pressure
7. Pressure and Depth in a Static Fluid - To Be Continued

8. Worksheet - Pressure and Depth in a Fluid

Physics 112

Wednesday, October 26/16

Midterm - Wednesday, Nov. 9/16

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1. Conference Schedule

2. Check -> PP - C4, Page 144: 6-8
   PFU - C4, Page 151: #26-28, 30-32, 34

3. FA - 1st Law Problem

4. Newton's Second Law of Motion - To Be Continued

5. Second Law Problems

6. Net Force Equation and Dimensions

7. Worksheet: C5 – Newton's Second Law
   Text: Page 163, PP #1-3
   Text - Page 168, PP #4-7

P112 - FA - First Law Problem
October 26/16

A 30.6 kg block is moved at a constant speed over a horizontal surface by a force of 50.0 N applied parallel to the surface. What is the coefficient of friction between the block and floor? Include a labelled FBD for the block.

0.167

Physics 122

Wednesday, October 26/16

Midterm - Tuesday, Nov. 8/16

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1. Check -> Worksheet - 1D Collisions/Explosions
2. Elastic Collisions
3. Inelastic Collisions
4. Worksheet - Problems: Collisions - Elastic and Inelastic - HW

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5. 2D Collisions/Explosions
6. Worksheet - 2D Collisions

Science 10

Wednesday, October 26/16

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Progress Reports

1. Unit 2 - Motion
2. Physics, Kinematics and Linear Motion
3. Physical Quantities
4. SI System of Units
5. Certainty and Significant Digits
6. Counted and Defined Values
7. Rounding Values
8. Certainty Rule for Multiplying and Dividing Measurements
9. Precision Rules for Adding and Subtracting Measurements
10. Metric Conversions
11. Rearranging Formulas