

**COURSE OUTLINE****PHYSICS 111H****FALL 2003**

TEXT:

FUNDAMENTALS OF PHYSICS, 6TH EDITIONHalliday, Resnick & Walker; Wiley, 2003  
*Enhanced Problems Version, Vol. 1*

ASSIGNMENTS: Homework problems are listed by week and underlined problems will be collected during recitation

MID-TERM DATE: Friday, October 31 8:30 - 9:55 AM

FINAL EXAM: To Be Arranged

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September 2 and September 4Week 1 Measurements Chap. 1  
-Units  
-Length  
-Time  
-MassHomework : 8P, 15P, 18P, 20P, 40P, N7, N16-----  
September 9 and September 11Week 2 Vectors Chap. 3  
-Vectors and Scalars  
-Adding Vectors  
-Multiplying VectorsHomework: 2P, 8P, 18P, 25P, 34P, N11, N26-----  
September 16 and September 18Week 3 Motion Along a Straight Line Chap. 2  
-Motion  
-Speed and Acceleration  
-Free FallHomework: 8P, 11P, 20P, 36P, 55P, 56P, N17

September 23 and September 25

Week 4      Motion in Two or Three Dimension      Chap. 4  
              -Projectile Motion  
              -Uniform Circular Motion  
              -Relative Motion

Home Work: 4P, 7P, 16P, 28P, 50P, 62P, N7

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September 30 and October 2

Week 5      Force and Motion I      Chap. 5  
              -Force  
              -Mass  
              -Newton's Laws

Homework: 6P, 26P, 34P, 44P, 50P, 55P, N20

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October 7 and October 9

Week 6      Force and Motion II      Chap. 6  
              -Friction  
              -Drag Force  
              -Uniform Circular Motion (II)

Homework: 10P, 28P, 30P, 35P, 46P, N9, N19

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October 14 and October 16

Week 7      Kinetic Energy and Work      Chap. 7  
              -Energy  
              -Work  
              -Power

Homework: 12P, 18P, 22P, 28P, 39P, N10, N19

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November 18 and November 20

Week 12      Rolling, Torque and Anular Momentum      Chap. 12  
                 -Rolling  
                 -Angular Momentum  
                 -Conservation of Angular Momentum

Homework    6P, 12P, 14P, 22P, 28P, 38P, 57P

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November 25

Week 13              Thanksgiving Week (27 and 28 are holidays)  
                         November 25 (Tuesday) follows a Thursday Schedule

Visit Planetarium

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December 2 and December 4

Week 14      Gravitation                                      Chap. 14

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-Gravitation

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-Earth's Gravitation

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-Kepler's Laws

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-Planets and Satellites

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Homework:    10P, 18P, 24P, 38P, 54P, 62P, N20

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December 9

15              Reviews

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READING DAY:    December 11 --Thursday  
FINAL EXAM      December 12-18