

**Physics for Sci & Engr**  
**Summer 2004**

**Dr. Zdravko Stipcevic**  
**Lewis 121B (T W 2-3 p.m.)**  
**915-5611**

**Textbook:**

**Serway-Jewett:**

**PHYSICS For Scientists and Engineers**  
**6th Edition**

**Classes: M,T,W,Th,F 8:00 - 8:50, 9:00 - 9:50 a.m. , Lewis Hall, Room 109**

Tuesday JUNE 1 - Friday JUNE 4:

Ch 1, PHYSICS AND MEASUREMENT

Ch 2, MOTION IN ONE DIMENSION

## Ch 3, VECTORS

Ch 4, MOTION IN TWO DIMENSIONS

# Ch 5, THE LAWS OF MOTION

HW: 2.15, 2.42, 2.46, 2.52,  
3.51, 3.65,  
4.12, 4.17, 4.20, 4.34,  
5.18, 5.38, 5.43, 5.68.

Monday JUNE 7

## TEST 1

Tuesday JUNE 8 - Friday JUNE 11:

Ch 6, CIRCULAR MOTION ...

Ch 7, WORK AND KINETIC ENERGY

Ch 8, POTENTIAL ENERGY AND CONSERVATION ...

Ch 9, LINEAR MOMENTUM AND COLLISIONS

HW: 6.11, 6.52, 6.58,  
7.14, 7.26, 7.49,  
8.5, 8.10, 8.36,  
9.24, 9.33, 9.48.

Monday JUNE 14

## TEST 2

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Tuesday JUNE 15 - Friday JUNE 18:

Ch 10, ROTATION OF A RIGID OBJECT ABOUT A FIXED AXIS  
Ch 11, ANGULAR MOMENTUM  
Ch 12, STATIC EQUILIBRIUM AND ELASTICITY  
Ch 13, UNIVERSAL GRAVITATION  
Ch 14, FLUID MECHANICS

HW: 10.22, 10.37, 10.46, 10.71, 10.77,  
11.35, 11.45, 11.50, 11.56,  
12.16, 12.24, 12.48,  
13.13, 13.17, 13.28, 13.33,  
14.18, 14.25, 14.47.

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Monday JUNE 21 **TEST 3**

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Tuesday JUNE 22 - Friday JUNE 25:

Ch 15, OSCILLATORY MOTION  
Ch 16, WAVE MOTION  
Ch 17, SOUND WAVES  
Ch 18, SUPERPOSITION AND STANDING WAVES

HW: 15.20, 15.36, 15.45,  
16.9, 16.22, 16.40,  
17.39, 17.44, 17.58,  
18.5, 18.14, 18.46, 18.53.

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Monday JUNE 28, 8:00 a.m. **FINAL**

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**GRADING:**

TEST 1 20 points (maximum)

TEST 2 20 points

TEST 3 20 points

FINAL 20 points

HOMEWORK 20 points

TOTAL 100 points.

A: 90-100

B: 80 - 89

C: 70 - 79

D: 60 - 69

F: below 60.