

PHY 183 Fall 2002 Final Exam – Suggested Review Material

The Final Exam will be comprehensive and weighted ~40% toward material we covered since the last midterm, and ~60% toward the prior material.

I suggest reviewing the following, roughly in order of importance. Of course, everyone will have different strengths and weaknesses and your strategy should be adjusted accordingly:

- 1) Midterms
- 2) All Quizzes
- 3) Lecture Notes and Examples
- 4) Last three HW sets (+ gravity problems of Set 9)
- 5) Other homework sets

Here is my reduced list of study problems for the last HW sets:

Set 9: 11, 14, 15; Set 10: 1, 5-8, 10-12, 15; Set 11: 1-5, 8, 10-13;

Set 12: All

Lastly, to help you focus on any specific areas that for you may need more attention, here is a list of topics.

Topic	Textbook Chapters
Vector Addition	Chapter 3
x, v, t	2-2 to 2-6
Projectile Motion	4-5, 4-6
Newton's Laws	Chapter 5
Newton's Laws: Friction	6-1, 6-2
Circular Motion	4-7, 6-4
Work	7-1 to 7-4
Conservation of Energy	8-4
Center of Mass	Know where CM of symmetric body is
Collisions	10-1 to 10-5
Linear and Angular acceleration	11-1 to 11-5
Torque and Inertia	11-7 to 11-9
Angular Momentum	12-6 to 12-10
Rigid Equilibrium	13-1 to 13-4
Gravitation	14-1 to 14-8
Buoyancy	15-7
Bernoulli	15-9, 15-10
Springs	16-1 to 16-4
Pendulum	16-6
Traveling Waves	17-1 to 17-5
Standing Waves	17-12, 18-6
Sound	18-5