

Lecture 21

Pre-Lecture Preparation:

- Read pages 359 – 375
- Do the Conceptual Questions (p. 381): 14, 15, and 16
- Do Problems and Exercises (p. 385) 22 and 39

Goals for the Lecture:

- 1) Know how to calculate the angular momentum of objects moving in a straight lines
- 2) Know how to calculate the angular momentum of rotating rigid objects
- 3) Be able to use conservation of angular momentum to solve rotational collision problems

Post-Lecture Study Guide:

Review the worksheets or other lecture material within 24 hours (preferably the same day as the lecture) to reinforce the ideas

Do problems:

Ch 10: Conceptual Questions: 17

Ch 10: Problems and Exercises: 28 and 40

Continue with the additional recommended study problems from chapter 10