

Lecture 8

Pre-Lecture Preparation:

- Read pages 173 – 179 (we will omit drag forces and stress and strain)
- Do problems MECH_13 and MECH_14 on this PDF:
http://www.foothill.edu/~cascarano/video_images/video_mechanics_problems.pdf
If needed, watch the solution videos here:
MECH_13 solution: <https://www.youtube.com/watch?v=wsnxCENqJ6Y&feature=youtu.be>
MECH_14 solution: <https://www.youtube.com/watch?v=YI7Ro1A5am4&feature=youtu.be>
- Do Problems and Exercises: (p. 195): 4

Goals for the Lecture:

- 1) Use Newton's Second Law to solve motion problems, including:
multiple objects, incline planes, friction, pulleys, and ropes

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 4: Problems and Exercises: 9 and 10

Continue with the additional recommended study problems from chapter 4