Welcome to PH 212!

Where are we starting? We’re going to look at the rotational motion of rigid bodies and do the same sort of physics with them (kinematics, then momentum, dynamics and energy) that we did with the straight-line motion of particles in PH 212.

1. Be sure that you have read the Announcements (which are posted via Canvas) and that you understand how the course works and are ready to follow the advice offered in the Announcements and in the Syllabus.

2. To review linear constant-acceleration kinematics (you’ll really need this), try browsing the PH 211 site from last term. Here is that Calendar: [http://www.physics.oregonstate.edu/~coffinc/COURSES/ph211/Calendar.pdf](http://www.physics.oregonstate.edu/~coffinc/COURSES/ph211/Calendar.pdf)

   Any of the green class materials links in the first two weeks would be helpful (and notice that those will refer you to reading in Ch. 1-3 of the textbook). Also good to look through are the Prep 1-2 (blue link) questions and solutions from last term.

3. Read sections 4.4 - 4.6 in the textbook.

4. Work through these slides.

5. Try the items in Before Class 1 MP (that’s a Mastering Physics assignment in this term’s MP course—see the link on page 2 of the Syllabus for full instructions on how to get started with Mastering Physics this term). This term’s course is called PH 212 — Winter 2019 — Coffin, and its course ID is MPCOFFIN76141.

   Note that all MP “assignments” are for practice only—there’s no credit for them. Just work as many of the items as you need to in order to have a firm understanding. If you need any introduction to how Mastering Physics works, there’s also an assignment posted for that.