Information about you

General Information about you:

- Name: _____

- Office _____;   Phone _____;
  Schedule: Please fill out other side.

- Student ID number: _____

- Field of Physics you want to pursue? _____

- Date you came to Rutgers: _____

- From/Degree: _____   _____

Your mathematical background:

- Have you had a course in linear algebra? _____

- Have you had some exposure to advanced calculus, such as uniform convergence, differential forms, ...? _____

- Have you had some exposure to group theory? _____
  To abstract algebra?_____

- Have you had some exposure to differential geometry or analytical general relativity? _____

Your computer background:

- Favorite computer environment? _____
  email address?: _____

- How regularly do you read your email: _____

- Are you familiar with TeX/LaTeX? _____

- Do you know how to program? which high-level languages? _____

Your background in classical mechanics:

- At what level was the last course you had in classical mechanics? (if undergrad, which year?) _____

- What book did you use? _____

- Did you discuss Lagrangians and Lagrange's equations? _____

- Did you derive elliptical motion for the Kepler problem, the Newtonian gravity two-body system? _____

- Did you discuss rigid body motion including

    1. The moment of inertial as a tensor rather than a scalar? _____
    2. Euler's equations of rotational motion? _____
    3. Euler angles? _____
    4. Free motion of a rigid body when $\vec{L}$ is not along a principal axis? _____
    5. The symmetric top, when $\vec{L}$ is not along a principal axis? _____

- Did you cover a general approach to small oscillations with many degrees of freedom? _____

- Have you covered the mechanics of continuous media as partial differential equations? _____

- Have you had a thorough discussion of the kinematics of special relativity? _____

Other current courses: What other courses are you also taking?
501   503   511   601   617   other —— _____

Schedule:

Period \ Day	Mon	Tues	Wed	Thurs	Fri
8 AM					
9 AM					
10 AM					
11 AM					
noon					
1 PM					
2 PM					
3 PM					
4 PM					
5 PM					
6 PM					