

**Questionnaire:** *Please fill out and return it in class on Wednesday*

1. Your name:
2. Your option (field of study – physics, astronomy, applied mathematics, ...):
3. Your year (junior, senior, 2nd year grad student, ...)
4. If grad student or postdoc: where you got your previous education (undergraduate and/or graduate):
5. Do you expect to be registered in this course for credit?
6. Your previous study of classical mechanics: How many weeks of course work? What level (elementary, intermediate, advanced)? What textbooks?
6. Your previous study of electromagnetic theory: How many weeks of course work? What level (elementary, intermediate, advanced)? What textbooks?
6. Your previous study of special relativity: How many weeks of course work? What level (elementary, intermediate, advanced)? What textbooks?
7. Your previous study of statistical physics/thermodynamics In connection with what course(s)? What level? What textbook?

Did this include the following, and if so, from which texts?

- a. thermodynamics?
- b. kinetic theory?
- c. statistical mechanics (e.g., canonical, microcanonical and grand canonical distributions)?

- d. theory of random processes (e.g., spectral densities, Wiener-Khintchine theorem, Fokker-Planck equation)?
8. Your previous study of optics: In connection with what course(s)? What level? What textbook?
  
  9. How much experience do you have with *Mathematica*, *Maple*, *Macsyma*, or other general purpose software for numerical, graphical, and analytical calculations?
  
  10. Do you have a strong preference, as of now, whether we teach this class as a three term course that includes an introduction to general relativity and cosmology, or as a two term course that omits general relativity and cosmology and some other topics (see Course Description)? Describe your views on this.