September 30, 2009

APh 156A: Organization and Policies

Instructor: Paul M. Bellan, 126 Watson, x 4827, MS 128-95, email pbellan@its.caltech.edu
Teaching Assistant: Rory Perkins, 130 Watson, rory@its.caltech.edu
Class list: Please fill out the class list and also fill out your timetable.
Grading policy: Homework 40%, exams 60% (see copy of previous year grading scheme for reference)
Collaboration policy: see attached form
Text: "*Fundamentals of Plasma Physics*" by P. M. Bellan
Syllabus: The class will be all year (fall, winter, spring quarters) and slightly lesss than one third of the text will be covered each term so that most, but not all of the text will be covered. The table of contents of the text is given on the following pages. Homework will be assigned as appropriate to the material that has been covered so that the homework load will be variable but significant. A small portion of the homework will involve simple numerical calculations and assistance will be provided for any students unfamiliar with these methods.
Additional Reference books (on reserve in library):

1. Schmidt, *The Physics of High Temperature Plasmas*
2. Krall and Trivelpiece, *Plasma Physics*
3. Nicholson, *Introduction to Plasma Theory*
4. Chen, *Introduction to Plasma Physics*

Prerequisites:

It is assumed that students have some familiarity with electricity and magnetism, Maxwell's equations, ordinary and partial differential equations, complex analysis, linear algebra, classical mechanics. However, these concepts will be briefly reviewed each time they are first used and students unfamiliar with some of these concepts will be assisted as appropriate.

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Name___________________________
Year (Junior, Senior, 1st yr grad, etc.)__________
Option (Aph, Physics, etc.)____________
Registered in class? ______
Address___________________________________
Phone______________________
E-Mail_____________________

Schedule
(list classes and obligations)

	Mon	**Tue**	**Wed**	**Thu**	**Fri**
8:00					
8:30					
9:00					
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