

- Instructor: P.H. Diamond  
Office location: SERF 436  
Phone: (858) 534-4025  
Email: [diamondp@gmail.com](mailto:diamondp@gmail.com) (best to use this!); [pdiamond@ucsd.edu](mailto:pdiamond@ucsd.edu)  
Office Hours: open, *but* best to call or email first
- Course Assistant: Peggy McCoy  
Email: [mmccoy@ucsd.edu](mailto:mmccoy@ucsd.edu)  
Phone: (858) 534-4478
- Lectures: MW 11:00am – 12:20pm  
SERF 329
- Problem Sessions: W 6:30-8:00pm  
SERF 329  
Problem sessions begin in Week 2 of classes.  
Attendance and participation is *mandatory*.
- Grades: Grades will be assigned based upon homework, participation, and a 30-minute Oral Final Exam. The Oral Final Exam will be arranged during Finals Week.
- Content: This course focuses on the magnetized plasma, and particularly on MHD and fluid models of plasmas. Emphasis is placed on dynamics and nonlinear phenomena. Applications include problems in magnetic confinement, astrophysics, and geophysics.
- This course may be taken independently of PHYS 218A. Prerequisites are upper division physics and mathematics, or the equivalent.