Astrophysics I  
Physics 6011, Spring 2011  

Lam Hui  

My coordinates. Pupin 1026. Phone: 854-7241. Email: lhui@astro.columbia.edu. 

Office hours. Thursday 4:30 – 5:30 pm, or by appointment.  

Class Meeting Time/Place. Thursday 3:00 - 5:30 pm at 831 Pupin. (Note time change to accommodate students’ schedules.)  

Teaching Assistant. Kyle Parfrey. Email: kyle@astro.columbia.edu  

Prerequisites. Basic knowledge of general relativity will be assumed. If you have not taken general relativity before, let me know so that I can help you prepare accordingly. If you are an undergraduate student, you must obtain explicit permission from me to register for the course. 

Requirements. Problem sets. 

Texts. 
The following texts are available at the Book Culture, located on W. 112th Street, between Broadway and Amsterdam. 
Their website is [http://bookculture.worldpress.com](http://bookculture.worldpress.com) 

- Black holes, white dwarfs and neutron stars, by Stuart Shapiro and Saul Teukolsky. 
- Spacetime and geometry, by Sean Carroll. 
- High energy astrophysics, by Fulvio Melia. 
- Accretion power in astrophysics, by Juhan Frank, Andrew King and Derek Raine. 
- Plasma physics for astrophysics, by Russell Kulsrud