2011 Fall MAE 6010/PHYS 7601 Syllabus

**Lecturer**  
Prof. Jane Wang, 323 Thurston Hall, zw24@cornell.edu

**Room/Times**  
MW 1:25 - 2:40pm, UPS 211

**Office Hour**  
MW 3-4pm, TH 323

**Texts (at least one)**  
Acheson, Elementary Fluid Dynamics  
Tritton, Physical Fluid Dynamics  
Panton, Incompressible Flow  
Kundu, Fluid Mechanics  
Batchelor, Introduction to Fluid Dynamics  
Landau and Lifshitz, Fluid Dynamics

**Flow Visualization**  
M. Van Dyke, An Album of Fluid Motion

Fluid Dynamics Videos:  
National Committee for Fluid Mechanics for Films  
[http://mit.edu/hml/ncfmf.html](http://mit.edu/hml/ncfmf.html)

APS/DFD fluid dynamics videos:  

**Homeworks**  
There will be about 10 homework sets. Homeworks are to be turned in individually.

**Grades**  
Homeworks, 30%  
Midterm  30%  
Final  40%