2012 Fall MAE6010/PHYS7601 Syllabus

Lecturer
Prof. Jane Wang, jane.wang@cornell.edu

Room/Times
TR 2:55 - 4:10 pm, RCK103

Office Hour
TR 4:30-5:30 pm, Clark 517

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

Lectures in video
National Committee for Fluid Mechanics for Films
http://mit.edu/hml/ncfmf.html

APS/DFD fluid dynamics videos:
http://www.aps.org/units/dfd/videos/index.cfm

Homeworks
There will be about 10 homework sets, and they will be graded.

Grades
Homeworks, 30%
Midterm 30%
Final 40%

Course Website http://dragonfly.tam.cornell.edu