Tentative Class Schedule

Week	Topics
• Week 1,	Introduction. Fundamental Concepts. (Chapter 1)
• Week 2,	Basic Flow Analysis Techniques. Streamlines, Streaklines, Pathlines. (Chapter 1)
• Week 3,	Fluid Statics. Pressure and Pressure Gradients, Hydrostatic Forces, Buoyancy (Chapter 2)
• Week 4,	Basic Equations in Integral Form for Control Volume. The Reynolds Transport Theorem. Conservation of Mass. (Chapter 3)
• FIRST MIDTERM	January 29th, 2009 (in class)
• Week 5,	Basic Equations in Integral Form for Control Volume. Conservation of Linear and Angular Momentum, Energy Equation (Continuation of Chapter 3)
• Week 6,	Motion of a Fluid Particle (Chapter 4).
• Week 7,	Basic Equations of Fluid Motion in Differential form. (Chapter 4)
• SECOND MIDTERM	February 19th , 2009 (in class)
• Week 8,	Basic Equations of Fluid Motion in Differential form Conservation of Mass and Momentum. (Chapter 4)
• Week 9,	Incompressible, Inviscid Flow. Euler's Equation. Bernoulli Equation. (Chapter 3 and 4)
• Week 10,	Dimensional Analysis and Similarity. (Chapter 5)
• Week 11, FINAL EXAM	March 19th. 7PM - 10 PM