MAE 7340
ANALYSIS OF TURBULENT FLOWS
Fall 2013

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Lectures:  MWF 11:15–12:05, Upson 207

Recitation:  MW 1:25–2:15, Upson 207
            See web site for a detailed schedule


The course is divided into 7 two-week units. For each unit there is a homework assignment, many of which will include computational projects. Typically, these assignments will be available during the first week of the unit, and are usually due by 1:25 p.m. on the second Monday following the end of the unit. No late homework can be accepted, because the homework will be discussed in the recitation immediately following the deadline.

ACADEMIC INTEGRITY

Each student in this course is expected to abide by the Cornell University Code of Academic Integrity. Any work submitted by a student in this course for academic credit will be the student’s own work. Collaboration and discussion with other students is encouraged for not-for-credit exercises.
## COURSE OUTLINE

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READING

Text:

(corrections pope.mae.cornell.edu/TurbulentFlows)

Fluid Mechanics:


Turbulence – classic texts:

A.A. Townsend, *The Structure of Turbulent Shear Flow*, CUP, 1976

Turbulence – recent texts:


Stochastic Processes: