

Department of Atmospheric Sciences

COURSE ANNOUNCEMENT – SEMESTER II – 2005–2006

ATMS 425 (same as CEE445): Air Quality Modeling

Call number: 31722

Instructor in Charge: Prof. Tami Bond, 3230c Newmark Lab., 244-5277

E-mail: yark@express.cites.uiuc.edu

Room and Time: 106B6 Engineering Hall; 11:00–11:50 a.m. M W F

Credit: 3 hours

Prerequisites: **CEE 330** and credit or concurrent registration in **TAM 335**; or ATMS 401.

Overview of practical and advanced approaches to air pollution modeling, including aspects of pollutant transport, transformation, and loss. Models considered include: Gaussian plume, chemical mass balance, chemical reaction, grid and trajectory. Evaluation of models and the development of efficient control strategies are also discussed.