

Spring 2015
CVEN 689-603

Air Quality Modeling

Theory, Numerical Methods and Applications

Instructor: Qi Ying

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Major Topics

- Chemical and physical processes that govern the formation, transformation and removal of air pollutants in the atmosphere
- Numerical methods and computation techniques to model urban and regional air pollution
- Hands on experience on EPA approved air quality models
- Preparation of anthropogenic/biogenic emissions and metrological fields
- Air quality data analysis and visualization

