

Air Pollution and Control
ME 164
Winter 2016

- **Instructor:** Donald Dabdub
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Office: EG 4226
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- **Time:** Tu and Th 2:00 - 3:20 PM
- **Office Hours :** Tu 5:00 - 6:00 PM and Thu 3:20 - 4:20 PM
- **Course Code:** 19170
- **Topics:**
 1. MEASURES OF ATMOSPHERIC COMPOSITION
 2. ATMOSPHERIC PRESSURE
 3. SIMPLE MODELS
 4. ATMOSPHERIC TRANSPORT
 5. THE GREENHOUSE EFFECT
 6. AEROSOLS
 7. CHEMICAL KINETICS
 8. STRATOSPHERIC OZONE
 9. OXIDIZING POWER OF THE TROPOSPHERE
 10. OZONE AIR POLLUTION
- **Text:**

Introduction to Atmospheric Chemistry
by Daniel J. Jacob
Princeton University Press, 1999.
- **Grading:**

In class quizzes 40%
Design Project 15%
Final Exam 45%