TOXC 331- Sources and Control of Volatile Organic Air Pollutants- Course Syllabus

Day 1

1. Introduction:
   - VOC fundamentals, chemistry and properties
   - Regulatory history and framework
2. VOC measuring methods
   - Reference Methods 24 and 24A
   - Enclosures
3. Surface Coatings & Graphic Arts
   - Fundamentals
   - Uses &Application methods
   - Pollution Control
4. VOC Documentation
5. Degreasing Processes
   - Process types and Controls
   - Work practices
   - Regulatory Framework
   - Permitting example
6. Fundamental VOC Calculations
   - Forms of VOC limits
   - Calculations in a permitting context
   - Homework: Calculations

Day 2

7. Fundamental VOC Calculations (con.)
   - Recap
8. VOC Controls
   - Control methods
   - Limitations
   - Regulations
   - Early Examples (expanded in future sections)
9. Petroleum refining
   - Processing and other pollutants
   - Controls
   - Regulatory Framework
   - Forms of VOC limits
10. Petroleum storage and distribution
    - Processing
    - Controls
    - Regulatory Framework
    - Modeling Results
    - Forms of VOC limits
    - Petroleum Permitting example
    - Homework: Petroleum Permitting Case Study

Day 3

11. Petroleum storage and distribution (continued)
12. Liquid Asphalt
    - Types
    - Regulation
13. Dry cleaning
    - Process types and Controls
    - Regulatory Framework
14. Summary, recap and post test