

Course Content:

Week

- 1 Introduction, Air Pollution System
- 2 Air Pollutants (Sources and Classification)
- 3 Air Pollutants (Characteristics and Effects)
- 4 Ideal Gas Law and Other Gas Laws
- 5 Air Pollution Regulation
- 6 Stack Design
- 7 Air Pollution Meteorology- Quiz 1
- 8 Air Pollution Meteorology
- 9 Calculation of Plume Rise
- 10 Repeating courses and midterm exam
- 11 Air Pollution and Dispersion Modelling
- 12 Area and Point Sources
- 13 Fuels and Combustion Chemistry Quiz 2
- 14 Toxic Air Pollutants–Report presentation