

Course Information	
Course title	Air Quality Management
Semester	114-2
Designated for	COLLEGE OF ENGINEERING GRADUATE INSTITUTE OF ENVIRONMENTAL ENGINEERING
Instructor	Yu-Chieh Ting
Curriculum Number	EnvE7102
Curriculum Identity Number	541EM2090
Class	
Credits	3.0
Full/Half Yr.	Half
Required/ Elective	Elective
Time	Friday 2,3,4(9:10~12:10)
Remarks	Restriction: non-major undergraduates and graduates The upper limit of the number of students: 80.
Course introduction video	
Table of Core Capabilities and Curriculum Planning	Association has not been established
Course Syllabus	
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Course Description	Introduction of Air Pollution is a subject that provides a broad overview of air pollution. It is a basic course that combines atmospheric science, pollution control and management. The main content of this course includes sources and classification of air pollutants, and their effects on human health, air quality and climate. In addition, investigation of the technologies for air pollution control and the mitigation strategies of air pollutants will be also provided

 Course Objective	1. Understanding the types, sources and causes of air pollution. 2. Concepts for air pollutant monitoring, analysis and simulation. 3. Knowledge of air pollutant control technology. 4. Understanding air pollution regulations and considering mitigation strategies.
Course Requirement	
Student Workload (Expected weekly study hours before and/or after class)	2-3 hours before and after classes.
Office Hours	
Designated reading	● Atmospheric Chemistry and Physics-From Air Pollution to Climate Change, Seinfeld, J. H., and Pandis, S. N., John Wiley & Sons, Inc., 2006. ● Air Pollution-Its Origin and Control, Mark Kenneth, Cecil E. Warner and Wayne T. Davis, Addison Wesley Longman, Inc., Third Edition, 1988. ● Air Pollution Control Equipment, Theodore, L., John Wiley & Sons, Inc., Hoboken, NJ, 2008.
References	
Grading	1. NTU has not set an upper limit on the percentage of A+ grades. 2. NTU uses a letter grade system for assessment. The grade percentage ranges and the single-subject grade conversion table in the NATIONAL TAIWAN UNIVERSITY Regulations Governing Academic Grading are for reference only. Instructors may adjust the percentage ranges according to the grade definitions. For more information, see the Assessment for Learning Section .
Progress	
Week	Date Topic
No data	