

**朝陽科技大學 098學年度第2學期教學大綱**  
**Air pollution control and design approach 空氣污染控制與設計**

<b>當期課號</b>	1938	<b>Course Number</b>	1938
<b>授課教師</b>	楊錫賢	<b>Instructor</b>	YANG,HSI HSIEN
<b>中文課名</b>	空氣污染控制與設計	<b>Course Name</b>	Air pollution control and design approach
<b>開課單位</b>	環境工程與管理系(四日)三A	<b>Department</b>	
<b>修習別</b>	選修	<b>Required/Elective</b>	Elective
<b>學分數</b>	3	<b>Credits</b>	3
<b>課程目標</b>	本課程主要介紹粒狀物及氣狀污染物之控制技術，包括旋風集塵器、靜電集塵器、濾袋集塵器、吸收、吸附法、濕式洗塵器等，及上述各種控制設備之設計。	<b>Objectives</b>	The course introduces the control technology of particulate matter and gaseous air pollutants, including cyclone, ESP, bad house, absorption, adsorption, wet scrubber and their design.
<b>教材</b>	教材 空氣污染防治，望熙榮譯著，中央圖書出版社。 參考資料 Cooper C. David and Alley F.C. "Air Pollution Control, A Design Approach" (2nd ed), Waveland Press Inc.Wark K., Cecil F.W., Davis W.T., "Air Pollution – Its Origin and Control", Addison Wesley.	<b>Teaching Materials</b>	空氣污染防治，望熙榮譯著，中央圖書出版社。
<b>成績評量方式</b>	1.平時成績 30% (習題, 出席率, 小考, 課堂表現) 2.期中考35% 3.期末考35%	<b>Grading</b>	1.Class participation 30% 2.Midterm 35% 3.Final 35%
<b>教師網頁</b>	-		
<b>教學內容</b>	本課程主要介紹粒狀物及氣狀污染物之控制技術，包括旋風集塵器、靜電集塵器、濾袋集塵器、吸收、吸附法、濕式洗塵器等，及上述各種控制設備之設計。	<b>Syllabus</b>	The course introduces the control technology of particulate matter and gaseous air pollutants, including cyclone, ESP, bad house, absorption, adsorption, wet scrubber and their design.

尊重智慧財產權，請勿非法影印。