# 朝陽科技大學 099學年度第1學期教學大綱
# Air Pollution 空氣污染學

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| **當期課號** | 1719 | **Course Number** | 1719 |
| **授課教師** | 簡淑美 | **Instructor** | CHIEN,SHU MEI |
| **中文課名** | 空氣污染學 | **Course Name** | Air Pollution |
| **開課單位** | 環境工程與管理系(四日)二A | **Department** | |
| **修習別** | 必修 | **Required/Elective** | Required |
| **學分數** | 3 | **Credits** | 3 |
| **課程目標** | 本課程內容包括空氣品質與相關法令；氣象學與空氣污染；空氣污染物來源及特性(粒狀污染物、氣態污染物)；光化學反應；空氣污染物之控制技術(離心分離機、濕式洗塵器、過濾集塵器、靜電集塵器)；汽機車與空氣污染。 | **Objectives** | This course introduces rules and regulations, Meteorology and air pollution, Sources and characteristics of air pollutants (particulate and gas), photochemical reaction, Control technology (cyclone, wet scrubber, bag house, electric stastiprecipator), mobile pollution. |
| **教材** | 教 材 江金龍，洪培元，陳維新，"空氣污染與控制"，高立圖書。<br>參 考 資 料 Wark K., Cecil F.W., Davis W.T., (1997) Air Pollution – Its Origin and Control, Addison Wesley. | **Teaching Materials** | 教 材 江金龍，洪培元，陳維新，"空氣污染與控制"，高立圖書。<br>參 考 資 料 Wark K., Cecil F.W., Davis W.T., (1997) Air Pollution – Its Origin and Control, Addison Wesley. |
| **成績評量方式** | 1.平時成績 30% (習題, 出席率, 小考, 課堂表現)<br>2.期中考35%<br>3.期末考35% | **Grading** | Class participation 30%<br>Midterm 35%<br>Final 35% |
| **教師網頁** | _ | | |
| **教學內容** | 空氣品質與相關法令；氣象學與空氣污染；空氣污染物來源及特性(粒狀污染物、氣態污染物)；光化學反應；空氣污染物之控制技術(離心分離機、濕式洗塵器、過濾集塵器、靜電集塵器)；汽機車與空氣污染。 | **Syllabus** | Rules and regulations, Meteorology and air pollution, Sources and characteristics of air pollutants (particulate and gas), photochemical reaction, Control technology (cyclone, wet scrubber, bag house, electric stastiprecipator), mobile pollution. |

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