

# 100-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	環境工程物化原理(二)	Serial No. / ID	1221 / VGR5003
Dept.	環境工程學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	吳照雄	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(二)78 / H546 (三)3 / H546	Language	Chinese

Introduction
<ol style="list-style-type: none"><li>1. Provide with an understanding of the air pollution and its control principles.</li><li>2. Develop an ability to plan and design the air pollution control devices.</li><li>3. Provide with an understanding about the aerosol technology.</li></ol>

Outline
<ol style="list-style-type: none"><li>1. Introduction</li><li>2. Properties of Gases</li><li>3. Uniform Particle Motion</li><li>4. Particle Size Statistics</li><li>5. Straight-Line Acceleration and Curvilinear Particle Motion</li><li>6. Adhesion of Particles</li><li>7. Brownian Motion and Diffusion</li><li>8. Filtration</li><li>9. Sampling and Measurement of Concentration</li><li>10. Coagulation</li><li>11. Electrical Properties</li></ol>

Prerequisite
air pollution, air pollution control engineering