

## 97-2 Preliminary Syllabus, Da-Yeh Univ

| Information       |                          |                       |                |
|-------------------|--------------------------|-----------------------|----------------|
| Title             | 環境工程物化原理(二)              | Serial No. / ID       | 1307 / 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)5 / H545 (三)34 / H545 | Language              | Chinese        |

| Introduction   |
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| <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  |
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| <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                                     |
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| air pollution, air pollution control engineering |