

98-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	水處理工程	Serial No. / ID	1201 / EVI3032
Dept.	環境工程學系	School System / Class	大學日間部3年2班
Lecturer	張玉明	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	NO
Time / Place	(一)9 / H569 (二)78 / H569	Language	Chinese

Introduction

This course is among the very first courses concerning the construction of engineering structures that carry practical purposes. The hardware structures this course will teach are units or processes that are applicable to treatment of water pollution. This course provides students with the ability to analyze water pollution problems, to apply basic principles to establishing engineering formula, to perform process calculations, and to design the structures. The students are also led to understand that an engineering establishment must be feasible, efficient, and economical. Related courses taught in this Department include wastewater engineering design, water supply engineering design, and sewage system design.

Outline

1. Intruduction
2. Water quality
3. Flocculation and coagulation
4. Softening
- 5 Preliminary treatment
6. Secondary treatment
7. Sludge handling

Prerequisite

generalchemistry, Physics, general microbiology, fluid mechanics