

99-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	製漿工程及纖維特性	Serial No. / ID	1312 / EVI3052
Dept.	環境工程學系	School System / Class	大學日間部3年2班
Lecturer	沈熙巖	Full or Part-time	兼任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(五)ABC / H613	Language	Chinese

Introduction
Pulping and bleaching technology for wood and recycled fiber, individual fiber characteristic, chemical/energy recovery, exhaust and waste water treatment for mill practice. To learn about the varieties and the parameters of pulping process; and to strengthen the learning with the environmental issues connected to pulp manufacture.

Outline
<ol style="list-style-type: none"> 1. Anatomy of wood 2. Fundamental wood chemistry 3. Pulping principles 4. Pulping technology 5. Mill visiting tour 6. Mechanical pulping & Semi-chemical pulping 7. Sulfate pulping 8. Midterm exam. 9. Sulfate pulping practise 10. Chemical recovery & waste water treatment 11. Sulfite & alkaline process 12. Recycling & recycled fiber 13. Pulp bleaching & quality inspection 14. Fiber characteristics vs. paper properties 15. Mill management issues 16. Semester exam.

Prerequisite
None