

98-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	製漿工程及纖維特性	Serial No. / ID	1190 / EVI3052
Dept.	環境工程學系	School System / Class	大學日間部3年1班
Lecturer	陳信泰	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	NO
Time / Place	(五)ABC / H540	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
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 charateristics vs. paper properties 15.Mill management issues 16. Semester exam.

Prerequisite
None