

# 101-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	製漿工程及纖維特性	Serial No. / ID	0831 / EVI3052
Dept.	環境工程學系	School System / Class	大學日間部3年1班
Lecturer	沈熙巖	Full or Part-time	兼任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(五)789 / H607	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"><li>1.Anatomy of wood</li><li>2.Fundamental wood chemistry</li><li>3.Pulping principles</li><li>4.Pulping technology</li><li>5.Mill visiting tour</li><li>6.Mechanical pulping &amp; Semi-chemical pulping</li><li>7.Sulfate pulping</li><li>8. Midterm exam.</li><li>9.Sulfate pulping practise</li><li>10.Chemical recovery &amp; waste water treatment</li><li>11.Sulfite &amp; alkaline process</li><li>12.Recycling &amp; recycled fiber</li><li>13.Pulp bleaching &amp; quality inspection</li><li>14.Fiber charateristics vs. paper properties</li><li>15.Mill management issues</li><li>16. Semester exam.</li></ol>

Prerequisite
None