

## 97-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	製漿工程及纖維特性	Serial No. / ID	0702 / 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 / H537	Language	Chinese

Introduction
<p>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.</p>

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 characteristics vs. paper properties</li> <li>15. Mill management issues</li> <li>16. Semester exam.</li> </ol>

Prerequisite
None