朝陽科技大學 092學年度第2學期教學大綱
Earthquake and Building 地震與建築

當期課號	1125	Course Number	1125
授課教師	包匡	Instructor	
中文課名	地震與建築	Course Name	Earthquake and Building
開課單位	建築系(四日)四A	Department	
修習別	選修	Required/Elective	Elective
學分數	2	Credits	2
課程目標	有關1.地震之特性: 名稱定義,形成,地區,案例 2.地震對建築物及建築元素之破壞 3.建築物及建築元素受損後之修復與補強 4.抗震建築物及建築元素之抗震目標及耐震設計	Objectives	Earthquake's characters: 1. Definition, Formation, Occurred areas, Examples of earthquake damaged cities. 2. Destruction of buildings and architectural elements 3. Repair and strengthening of damaged buildings and architectural elements 4. Performance based seismic design of buildings and architectural elements .
教材	以幻燈片,Power point 等投影圖片方式, 以明確之文字敘述,講解各項重點及議題,鼓勵學生發問及隨堂點問及測驗,同學須準備地震相關報告以示其瞭解	Teaching Materials	Slides, overhead projector, powerpoint (multi-media) presentation and illustration, encouraging student to ask questions in the class. Students have to prepare material for assignment.
成績評量方式	平時成績:35% (依出席,隨堂測驗10%及期末地震相關報25%告) 期中考成績:30% 期末考成績:35%	Grading	Quiz and Presence: 10%, Assignment: 25%, Midterm Examination: 30%, Final Examination: 35%
教師網頁			
教學內容	有關1.地震之特性: 名稱定義,形成,地區,案例 2.地震對建築物及建築元素之破壞 3.建築物及建築元素受損後之修復與補強 4.抗震建築物及建築元素之抗震目標及耐震設計	Syllabus	Earthquake's characters: 1. Definition, Formation, Occurred areas, Examples of earthquake damaged cities. 2. Destruction of buildings and architectural elements 3. Repair and strengthening of damaged buildings and architectural elements 4. Performance based seismic design of buildings and architectural elements

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