# 朝陽科技大學 091學年度第1學期教學大綱
# Building Frame System 建築結構系統

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| 當期課號 | 1186 | Course Number | 1186 |
| 授課教師 | 陳清山 | Instructor | CHEN,CHING SHAN |
| 中文課名 | 建築結構系統 | Course Name | Building Frame System |
| 開課單位 | 建築系(四日)三A | Department | |
| 修習別 | 必修 | Required/Elective | Required |
| 學分數 | 2 | Credits | 2 |
| 課程目標 | 使學生瞭解建築結構系統的一些基本性質，讓同學能以邏輯的系統思考方式來分析建築結構問題，並明瞭建築造型與結構系統之間的關係，深刻感受到利用結構系統的知識可以發展更多特殊的造型，啓迪學生造型的能力，兼顧建築中的理性與感性因子。課程內容有兩大部份，第一部份介紹較基本的課題，例如: 建築物之荷重、材料的應力以及材料基本性質; 第二部份則深入論述結構系統的種類，例如:向量作用結構系統、體積作用結構系統、形態作用結構系統、面作用結構系統以及高樓結構系統; 除此之外，亦將論及耐震和隔震結構等較特殊的主題。 | Objectives | In this course of Building Structure Systems, students can learn some fundamental building structural subjects while at the same time developing their logical system-thinking and problem-solving abilities. In addition, this course can make students realize the relationship between structural systems and architectural forms, the relationship between rational and perceptual factors in architecture.This course covers two major topics of Building Structure Systems. The first topics include how the loadings to act on the building, the stress and character of the architectural components. The second topics are the types of Structure Systems. They are Vector-active Structure Systems, Volume-active Structure Systems, Form-active Structure Systems, Surface-active Structure Systems and Height-active Structure Systems. |
| 教材 | 蠍裛並舥╪侄錩〉□屑籪〉教鱹紵蝭貤〉呤纈抉炕篕齰研儽 | Teaching Materials | |
| 成績評量方式 | 讔蔭僝鍗20% 棋□25% 傶觔裛15% 悢齌芶20% 悢婚芶20% | Grading | |
| 教師網頁 | _ | | |
| 教學內容 | 虌擩茫磢 抉炕笀巏緒紶ㄗ1囂ㄘ虌歍茫磢 呤纈琲巃驨儵ㄗ3囂ㄘ虌菹茫磢 抉炕謏猸鎏傲觶ㄗ3囂ㄘ虌痼茫磢 抉炕謏猸鎏哮埶錭檅ㄗ3囂ㄘ虌賟茫磢 □淔篕檅抉炕笀巏-═坦笀巏ㄗ4囂ㄘ虌襂茫磢 鐮鎏篕檅抉炕笀巏-殥疿炕坦笀巏ㄗ4囂ㄘ虌齌茫磢 □鷑篕檅抉炕笀巏-稅蜄疿勉笀巏ㄗ4囂ㄘ虌齰茫磢 恙篕檅抉炕笀巏-堹疿絃岟笀巏ㄗ4囂ㄘ虌朐茫磢 邶蚹抉炕笀巏ㄗ4囂ㄘ | Syllabus | |

尊重智慧財產權，請勿非法影印。