朝陽科技大學 097學年度第2學期教學大綱
Engineering Cost Estimating 工程估價

當期課號	1630	Course Number	1630
授課教師	蕭文達	Instructor	HSIAU,WEN TA
中文課名	工程估價	Course Name	Engineering Cost Estimating
開課單位	營建工程系(四日)三A	Department	
修習別	選修	Required/Elective	Elective
學分數	2	Credits	2
課程目標	本課程介紹工程估價方法，內容包括施工數量計算、單價分析、風險估算、保險估算、利潤估算、現地調查、數量計算包括鋼筋、模板、混凝土、粉刷、磚塊、外牆裝飾、土方量等工程之計算，研習本課程之學生須於期末根據實際圖例計算數量，並做出單價分析以爲驗收學習成效。	Objectives	Introduce students to construction contracts, different types of building construction project estimates, and the role they play in the facility development process. Acquaint students with the principal methods, tools andtechniques used to develop building construction project estimates. Develop specific skills in the interpretation of construction plans and specifications, estimate planning and organization, quantity takeoffs and pricing. Provide an overview of the principal building systems and components in a building construction project from an estimating perspective. Explore the use of computers in estimating.
教材	投影片、上課筆記 課後習題與指定作業	Teaching Materials	1.handouts and transparency 2.assignment and home work
成績評量方式	上課精神與出席率（25%） 課後習題（15%） 期中考（30%） 期末考（30%）	Grading	1.participation and attenance (25%) 2.homework (15%) 3. mid term (30%) 4. final exam. (30%)
教師網頁	http://www.cyut.edu.tw/~wdshiau/teach.html		
教學內容	1.估價之要務、種類及步驟。 2.各種工程數量之計算。 3.各種工程之工料單位及分析方法。 4.單價分析之製作與預算之編列。	Syllabus	1.Introduction to estimating construction costs 2.Quantity survey of construction engineering 3.Material unit and analysis method 4.Unit-price and costs estimating

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