

朝陽科技大學 095學年度第2學期教學大綱
Engineering Cost Estimating 工程估價

當期課號	3358	Course Number	3358
授課教師	林慎福	Instructor	,
中文課名	工程估價	Course Name	Engineering Cost Estimating
開課單位	營建工程系(二進)三A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
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，並做出單價分析以為驗收學習成效。	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 and techniques 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	"施工估價"，林金面編著，文笙書局。 "建築估價"，李健雄著，詹氏書局。 "投標估價與數量計算"，范光懿著，詹氏書局。	Teaching Materials	"施工估價"，林金面編著，文笙書局。 "建築估價"，李健雄著，詹氏書局。 "投標估價與數量計算"，范光懿著，詹氏書局。
成績評量方式	上課表現與出席率 (20%) 課後習題 (30%) 期中考 (25%) 期末作業及報告 (25%)	Grading	Performance & attendance (20%) Homework (30%) Midterm exam (25%) Final homework & report (25%)
教師網頁	-		
教學內容	1.估價概論。 2.各種工程數量計算。 3.工料單位及單價分析。 4.完整估價。	Syllabus	1.Introduction to construction estimate. 2.Quantity survey of construction engineering. 3.Material unit & unit price analysis. 4.Detailed estimate.

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