朝陽科技大學 098學年度第2學期教學大綱
Green Materials 綠色材料

當期課號	1624	Course Number	1624
授課教師	王瑜瑋	Instructor	WANG,YU WEI
中文課名	綠色材料	Course Name	Green Materials
開課單位	理工學院(四日)	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	工業生產製造有用的產品與物料，同時也帶來污染，對環境造成衝擊。在日趨嚴格的環保要求下，廠商生產環境友善的產品與物料，綠色材料的開發壓力有增無減。本課程目的在於闡釋以環境爲優先或綠色材料的產品生產與設計，課程包括環境基本問題的介紹、國際環保趨勢與國環保法規、清潔生產與污染預防、綠色設計、生命週期評估方法、及工業生態學等。	Objectives	The production of useful products and materials causes pollution simultaneously, which impacts our environment. Under the stringent environmental requirements, manufacturers must produce the environmental friendly products and materials. The development of green materials is urgent. This class will introduce the importance of environmental priority and production of green materials and design. The topics include the discussion of environmental issues, global environmental issues and domestic regulations, clean production and pollution prevention, green design, life cycle assessment, and industrial ecology.
教材	N/A (自行編輯)	Teaching Materials	N/A
成績評量方式	期中考 30%，期末考 30%，期末報告 30%，出席與討論 10%。	Grading	Mid-term exam 30%, Final exam 30%, Term paper 30%, and Participation 10%.
教師網頁			
教學內容	本課程主要內容有：(1)發展具有環保概念的行銷策略，和改善企業環境績效的方式；(2)分析企業所面臨的綠化壓力，和隨著綠化而產生的利益與風險；(3)全面思考環境對企業的衝擊，包括直接衝擊、顧客需求的改變、競爭環境的改變、法律的改變及間接的衝擊；及(4)運用實際個案分析，瞭解綠色材料的應用與發展趨勢。	Syllabus	This course's main contents are: (1) to develop environmental protection of marketing strategy and to improve the environmental performance within enterprises; (2) to analyze pressures related to environmental protection faced as well as profits and risks faced by enterprises; (3) to consider impacts on enterprises caused by the environment, including direct and indirect impacts, changes on customer's needs, changes on competitor's environment and changes in laws; and (4) to have the ability exercise useful case studies and to understand the development trend of green materials.

尊重智慧財產權，請勿非法影印。