朝陽科技大學 099學年度第1學期教學大綱
Industrial Applications of Human Factors 人因工程在工業之應用

當期課號	1603	Course Number	1603
授課教師	吳欣潔	Instructor	WU,HSIN CHIEH
中文課名	人因工程在工業之應用	Course Name	Industrial Applications of Human Factors
開課單位	工業工程與管理系(四日)四A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程之目的是要學習如何將人因工程應用到工業實務上。爲了使學生留下深刻又具體的印象,課堂上將介紹許多運用人因工程於工業的成功案例。同時也提出工業界的人因工程相關議題,鼓勵學生發揮創意,動腦思索可行的解決方案。	Objectives	The purpose of this course is aimed to study how to apply ergonomics in industrial practice. In order to make students have deep and specific impression, many successful cases about applying ergonomics in industry will be introduced in this program. At the same time, many industrial ergonomics-related issues will be expressed and then challenge students to think and find some feasible solutions.
教材	許勝雄、彭游、吳水丕編著，人因工程，第三版，滄海書局	Teaching Materials	Sanders, M.S. and McCormick,E.J. Human Factors in Engineering and Design, 7th Edition, Mc Graw Hill.
成績評量方式	出席成績10%，口頭報告30%，期中考30%，期末考30%。	Grading	Participation 10%, Oral report 30%, midterm 30%, final exam 30%.
教師網頁	http://www.cyut.edu.tw/~hcwul/course.htm		
教學內容	課程主題包含: 預防勞動者局部性肌肉骨骼的疲勞或疼痛,預防勞動者全身的疲勞或疼痛,提高勞動者的工作績效,使工作條件更舒適,設計高可用性的人機介面,減輕工作的心理壓力或厭煩。	Syllabus	The topics of this course include: to prevent laborers from local muscularskelet fatigue or pain, to prevent laborers from whole body fatigue or pain, to increase laborers' work performance, to make work condition more comfortable, to design high-usability man-machine interface, and to reduce work-related mental stress or boredom.

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