朝陽科技大學 097學年度第1學期教學大綱
Human Factors Practice 人因工程實習

當期課號	1741	Course Number	1741
授課教師	吳欣潔	Instructor	WU,HSIN CHIEH
中文課名	人因工程實習	Course Name	Human Factors Practice
開課單位	工業工程與管理系(四日)三B	Department	
修習別	必修	Required/Elective	Required
學分數	1	Credits	1
課程目標	本課程首先介紹人因工程的實驗資料分析方法,接著有10個實驗單元供學生演練。使學生學會如何執行人因工程實驗。	Objectives	This course introduces ergonomic experimental data analysis methods first, and then ten experiment units are provided for students to practice. In order to make students learn how to do the ergonomic experiments.
教材	吳欣潔,陳協慶,王家濠,2006,人因工程實驗設計與實習,初版,滄海書局.	Teaching Materials	H.C. Wu, H.C. Chen, C.H. Wang, 2006, Ergonomics experimental design and practice, First ed., Hsang Hai.
成績評量方式	八次隨堂小考40%，期中考20%，期末報告(含Excel,ppt與word檔)40%	Grading	Eight tests 40%, Midterm exam 20%, Final report (include: Excel,ppt and word file) 40%.
教師網頁	http://www.cyut.edu.tw/~hcwul/course.htm		
教學內容	實驗單元有人體計測, 握力量測, 反應時間測定, 肌電訊號量測, 閃光融合頻率, 模擬軟體, 心跳量測, 產品評估, 耗氧量測, 以及人因風險分析。	Syllabus	These experiment units are anthropometry, grasp force measurement, response time measurement, electromyography, flicker fusion frequency, simulation software, heart rate measurement, product evaluation, oxygen consumption measurement, and ergonomic risk analysis.

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