

朝陽科技大學 099學年度第2學期教學大綱
Human Factors Practice 人因工程實習

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| 當期課號 | 3294 | Course Number | 3294 |
| 授課教師 | 宋鵬程 | Instructor | SUNG,PENG CHENG |
| 中文課名 | 人因工程實習 | Course Name | Human Factors Practice |
| 開課單位 | 產學攜手計畫專班工業工程管理系(四產)三B | Department | |
| 修習別 | 必修 | Required/Elective | Required |
| 學分數 | 2 | Credits | 2 |
| 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 | 期中考 40%，期末報告(包含口頭報告) 40%，出席率與課堂表現 20%。 | Grading | Midterm exam 40%, Term project 40%. In class performance and attendance 20%. |
| 教師網頁 | http://www.cyut.edu.tw/~sungpc/ | | |
| 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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