朝陽科技大學 091學年度第1學期教學大綱
Intrumental Analysis 儀器分析

當期課號	7323	Course Number	7323
授課教師	劉敏信	Instructor	LIU,MIN HSIN
中文課名	儀器分析	Course Name	Intrumental Analysis
開課單位	環境工程與管理系碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	此課程可使學生瞭解環境工程與管理領域的儀器分析,以作爲未來進階課程基礎,內容包括QA/QC 相關觀念,光譜法,原子光譜法,分子光譜法等	Objectives	This course will bring the students to understand instruments analysis in environmental engineering and management field, and be a basic background for advanced course. The subjects include Quality Assurance/Quality Control concept, Separation Method, Atomic Spectroscopy, Molecular Spectroscopy.
教材	The course will be taught based on the English edition textbook, and practical instrument experiment will be included in the class. Students will be encouraged to present a literature paper in about 20 minutes and submit a review report.	Teaching Materials	
成績評量方式	Literature Review Report and Presentation: 25%, Mid-term Exam: 35%, Final Exam: 40%.	Grading	Literature Review Report and Presentation: 25%, Mid-term Exam: 35%, Final Exam: 40%.
教師網頁	_		
教學內容	The outline of the course will include four major subjects as follows: 1. Quality Control/Quality Assurance concept, 2. Separation Method, 3. Atomic Spectroscopy, 4. Molecular Spectroscopy. All the instruments, which will be taught in the class, are related to the environmental engineering and management field.	Syllabus	The outline of the course will include four major subjects as follows: 1. Quality Control/Quality Assurance concept, 2. Separation Method, 3. Atomic Spectroscopy, 4. Molecular Spectroscopy. All the instruments, which will be taught in the class, are related to the environmental engineering and management field.

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