

朝陽科技大學 094學年度第1學期教學大綱
Special Topics in Environmental Management(3) 環境管理專題(三)

當期課號	7708	Course Number	7708
授課教師	劉敏信	Instructor	LIU,MIN HSIN
中文課名	環境管理專題(三)	Course Name	Special Topics in Environmental Management(3)
開課單位	環境工程與管理系碩士在職專班二A	Department	
修習別	選修	Required/Elective	Elective
學分數	2	Credits	2
課程目標	<p>在法令壓力、客戶要求、降低成本等考量下，企業正面臨追求利潤與提升綠色競爭力的關鍵時刻。環境管理不再獨立於經濟之外，在台灣面臨國際化的時刻、環境管理勢必融入企業及政府的工作政策之中，有鑑於環境管理已經逐步邁向實用化與市場化，因此藉由生命週期方法建立基本資料庫，並利用相關管理決策及優選工具，加以分析，預期將有助於提升本校在環境管理領域的研究，並可加強對外服務的能力。而在教學部分，則可提升學生對環境管理及污染防治領域相關工具與實務認識。因此課程包括環境管理概論、ISO標準介紹、國際環保趨勢，環境管理系統、全面品質系統，環境稽核方法和技巧、質量平衡，減廢與資源化技術、廢棄物管理概論，污染預防、有害廢棄物管理，工業生態學理論與實務。</p>	Objectives	<p>Under the pressure from their customer's requirements, many companies have faced a point of compromising their profits and environmental competition. Environmental management is one of the economic systems. This class introduces the idea of environmental management system to help the development of routine management of environmental issues in a company. The topics include introductory environmental management, ISO international standards, international environmental issues, environmental management system, total quality management system, Methods and skills of environmental auditing, material balance analysis, waste minimization and recycling, introductory solid waste management, pollution prevention, hazardous waste management, the principles and practices of industrial ecology.</p>
教材	研究領域之文獻/Journal articles or technical conference papers in pollution control field	Teaching Materials	
成績評量方式	1.平時成績(出席率、課堂討論)50% 2.研究報告(含報告內容及口頭報告)50%,	Grading	1.Class participation and discussion, 50%; 2.Research report and oral presentation
教師網頁	-		
教學內容	<p>本課程將於學期中針對污染技術控制技術舉行四次聯合研究討論會，每一研究生必須準備一頁之精簡研究摘要並報告其研究進度，本課程特別強調研究之口頭報告與課堂之參與討論。本課程之污染技術控制技術主題包括：工業廢水處理，水回收與再利用，生物處理程序開發，環境生物技術及處理技術模式之開發與應用，透過聯合研究討論會報告與課堂間互動討論之方式，研究生將能學得更完整之污染控制技術。</p>	Syllabus	<p>This course will be designed to hold four union group meetings on topic of pollution control technology during the semester. Each graduate student has to prepare one page abstract for his research progress in meetings. The course especially emphasizes student's oral presentation and class participation. The subjects of pollution control technology include: industrial wastewater treatment, wastewater reclamation and reuse, biological process development, environmental biotechnology and biological process modeling and application. Through the joint meeting and mutual discussion in class, the graduate student may learn complementary area on the topic of pollution control technology.</p>