朝陽科技大學 097學年度第1學期教學大綱
Water Regeneration Technology 水再生技術

當期課號	1904	Course Number	1904
授課教師	陳世偉	Instructor	,
中文課名	水再生技術	Course Name	Water Regeneration Technology
開課單位	環境工程與管理系(四日)四A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	包括水再生再利用現況、工業廢水回收再利用、污水回收再利用、中水道及二元供水系統、雨水回收再利用技術及電解及電透析，期使學生了解水再生技術之現況，熟習水再生技術各領域之基礎計算。	Objectives	The issues in this course included: industrial wastewater recycle and reuse, sewage recycle and reuse, seawater utilization, dual water supply system, rain water recycle and reuse technology, electrolysis, ion exchange, reverse osmosis and ultrafiltration. The present condition and foundamental calculation of water regeneration technology should be realized and learned.
教材	參考:行政院環境保護署廢水專責人員訓練教材	Teaching Materials	Reference:Taiwan EPA- Wastewater professional person training courses.
成績評量方式	期中考:30% 出席率:20% 心得報告:10% 期末報告及簡報:40%	Grading	Mid-term Exam:30% Participate in Class:20% Home work report:10% Final report and presentation:40%
教師網頁	_		
教學內容	1.介紹廢水處理之生物、物理、化學處理方式 2.介紹有機廢水及無機廢水處理技術 3.介紹廢(污)水回收再利用現況	Syllabus	I.Introduce the technology of wastewater in biological, physical and chemical treatment. II.Introduce the technology in organic and inorganic wastewater treatment. III.Introduce the wastewater and sewage recycle and reuse in our environment.

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