朝陽科技大學 098學年度第2學期教學大綱
Environmental risk assessment and application 環境風險評估與應用

當期課號	1943	Course Number	1943
授課教師	王順成	Instructor	WANG,SHUN CHENG
中文課名	環境風險評估與應用	Course Name	Environmental risk assessment and application
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	本課程目標主要針對環境風險評估之四大主軸(1)危害性之鑑定(2)劑量效應評估(3)暴露度評估(4)風險度評估進行基礎說明，其重要內容包括a.危害性化學物質之毒性鑑定方法、致癌物質之鑑定及非致癌物質之鑑定b.劑量與反應之間關連性評估及利用外插法進行劑量與反應之間關連性評估c.暴露族群、暴露模式暴露參數之介紹d.風險度數值之推算及風險度顯著性。	Objectives	The objectives of this course is to introduction the four main framework of environmental risk assessment (1) Hazard identification (2) Dose-response assessment (3) Exposure assessment (4) Risk characterization. a. Hazard identification concentrated on toxicity test method, identification of carcinogenicity and non-carcinogenicity b. Evaluation on relationship between dose and response and using the external extension method to evaluate the relationship between dose and response c. To introduce exposure population, exposure model and exposure parameter d. To practice risk characteristic degree and significance of the risk.
教材	自編講義,並使用電腦投影片教學	Teaching Materials	handout , powerpoint
成績評量方式	1. 期中考試 40% 2. 期末考試 40% 3. 討論及作業 20%	Grading	1. Middle Exam. 40% 2. Final Exam. 40% 3. Discussion and homework 20%
教師網頁			
教學內容	1)危害性之鑑定(2)劑量效應評估(3)暴露度評估(4)風險度評估進行基礎說明，其重要內容包括a.危害性化學物質之毒性鑑定方法、致癌物質之鑑定及非致癌物質之鑑定b.劑量與反應之間關連性評估及利用外插法進行劑量與反應之間關連性評估c.暴露族群、暴露模式暴露參數之介紹d.風險度數值之推算及風險度顯著性。	Syllabus	(1) Hazard identification (2) Dose-response assessment (3) Exposure assessment (4) Risk characterization. a. Hazard identification concentrated on toxicity test method, identification of carcinogenicity and non-carcinogenicity b. Evaluation on relationship between dose and response and using the external extension method to evaluate the relationship between dose and response c. To introduce exposure population, exposure model and exposure parameter d. To practice risk characteristic degree and significance of the risk.

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