

課程大綱及進度表

開課系所	環境醫學研究所		
開課學年	111 學年度		
開課學期	第 1 學期		
課程名稱(中文)	環境荷爾蒙		
課程名稱 (英文)	Introduction to Environmental Hormones		
課程碼	S771500		
分班碼	環醫所 8063 研討室		
先修科目或先備能力	無		
學分數	2		
開課教師	李俊璋		
e-mail	cclee@mail.ncku.edu.tw		
電話	06-2353535-5596、06-2757575-50020		
Office Hours	Tue. 10:10-12:00		
課程概述	環境與職業中有多項內分泌干擾物質，可以影響內分泌與荷爾蒙功能，本課程討論環境與職業中內分泌干擾物質對於野生動物及人體健康之影響、作用機轉、環境流布、與預防方針。		
教學目標	<ol style="list-style-type: none"> 1. 瞭解環境中各種之內分泌干擾物質之暴露來源、暴露途徑及環境流布。 2. 瞭解環境中各種之內分泌干擾物質之健康影響及作用機轉。 3. 培養研究運作能力。 		
授 課 程 大 綱 明 細	日期	課 目	教 師
	9/06	Introduction	CC Lee
	9/13	Thyroid hormones and their disruptors(I)	CC Lee
	9/20	Thyroid hormones and their disruptors(II)	CC Lee
	9/27	Phthalates exposure and health outcomes (I)	CC Lee
	10/04	Phthalates exposure and health outcomes (II)	
	10/11	Phthalates exposure and health outcomes (III)	CC Lee
	10/18	Factors influencing organotin distribution in different marine environmental compartments, foods and their potential health risk	CC Lee
	10/25	Organotin levels in seafood and health risk assessment for Taiwanese	CC Lee
	11/01	Levels and Trends of Polybrominated Diphenyl Ethers (PBDEs), nonyl phenol and bis-phenol A in Water, Sediments and Fishes in Taiwan Rivers	CC Lee
	11/08	Polybrominated diphenyl ethers (PBDES) and hexa-brominated biphenyls (Hexa-BBs) in fresh foods ingested in Taiwan	CC Lee
	11/15	Dietary intake of 4-nonylphenol and bisphenol A in Taiwanese population: Integrated risk assessment based on probabilistic and sensitive approach	CC Lee
	11/22	General aspects and environmental levels of Dioxins	CC Lee
	11/29	Human exposure levels and body burden of Dioxins(I)	CC Lee
12/06	Human exposure levels and body burden of Dioxins(II)	CC Lee	

	12/13 Human health effects of Dioxins and mercury concurrent exposure (I) CC Lee 12/20 Human health effects of Dioxins and mercury concurrent exposure(II) CC Lee 12/27 Journal article presentation CC Lee 1/03 Journal article presentation CC Lee
參考書目	自編講義及期刊論文
課程要求及評量方式	1. Attendance (20%) 2. Final report (40%) 3. Journal article presentation (40 %) <ol style="list-style-type: none"> 1) Two journal articles published by SCI journals (in 2016and after) must be selected for presentation at the designated dates of 11/15 2) Conducting 20 minutes presentation and 10 minutes discussion