

## 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)	環境毒物危險性評估		
課程名稱 (英文)	Health risk assessment of environmental toxics		
教室	環醫所 8063 研討室		
先修科目或能力			
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	Tuesday 13:10-15:00		
授課課程大綱	9/06	Introduction	李俊璋
	9/13	Introduction to risk assessment, risk management and risk communication	李俊璋
	9/20	Hazards identification	李俊璋
	9/27	Dose response assessment(I)	李俊璋
	10/04	Dose response assessment(II)	李俊璋
	10/11	Dose response assessment(III)	李俊璋
	10/18	Exposure assessment (I)	李俊璋
	10/25	Exposure assessment (II)	李俊璋
	11/01	Exposure assessment (III)	李俊璋
	11/08	Risk characterization (I)	李俊璋
	11/15	Risk characterization (II)	李俊璋/陳秀玲
	11/22	Mid-term Examination	李俊璋
	11/29	Assessment of ecological risk	李俊璋
	12/06	Case study 1	李俊璋
	12/13	Case study 2	李俊璋
	12/20	Case study 3	李俊璋
12/27	Final presentation	李俊璋	
01/03	Final presentation	李俊璋	
參考書目	<ol style="list-style-type: none"> <li>1. Risk Assessment in the Federal Government: Managing the process, NRC, USA, 1983.</li> <li>2. The Risk Assessment Guidelines of 1986, USEPA.</li> <li>3. Guideline for Exposure Assessment Notice, USEPA, 1992.</li> <li>4. Guidelines for Carcinogen Risk Assessment, EPA/630/P-03/001F, 2005.</li> <li>5. Toxicology and risk assessment - principles, methods, and applications, edited by Anna M. Fan and Louis W. Chang, 1996</li> <li>6. Casarett &amp; Doull's Toxicology. Curtis D. Klaassen 8th Edition. (2013)</li> <li>7. 健康風險評估技術規範，07/20，2011，環境保護署</li> </ol>		

課程要求及評量  
方式

1. mid-term examination: 40% ◦
2. Homework: 20%
3. Journal article presentation: 20 %
  - 1) Three journal articles published by SCI journals (in 2017 and after) or your thesis must be selected for presentation at the designated dates of 11/22 (topic should be relevant to risk assessment of toxic chemicals)
  - 2) Conducting 20 minutes presentation, 10 minutes discussion
4. Final report: 20%