

國立臺北大學自然資源與環境管理研究所

九十七學年度第二學期課程進度表

課程名稱：環境災害與風險管理

授課教師：李育明

上課時間：星期三 09:10 ~ 12:00

週次	日期	進度 (主題)	教材章節	Homework
1	2/18	Introduction	S-1	
2	2/25	Hazard, Risk, Disaster, and Related Concepts	S-1~4; W-1~2	HW-1
3	3/04	Natural Hazards/Disasters and Catastrophes (I)	S-5~7; D	
4	3/11	Natural Hazards/Disasters and Catastrophes (II)	S-8~S-11; D	HW-2
5	3/18	Anthropological/Technological Hazards	S-12~13	
6	3/25	Environmental (Health) Risk Assessment (I)	W and R	HW-3
7	4/01	Environmental (Health) Risk Assessment (II)	W and R	
8	4/08	Ecological & Socio-economical Risk Assessment	Handouts	
9	4/15	Natural Hazards and Management in Taiwan	土 and Handouts	
10	4/22	期中考試	Take-Home Exam.	
11	4/29	Mathematics of Risk and Statistics of Extremes	M and Handouts	HW-4
12	5/06	Safety (Risk) Analysis Methods and Techniques	A and Handouts	
13	5/13	Engineering Safety, Occupational Risks and OHSAS	A and Handouts	
14	5/20	Risk Analysis and Simulation Software Packages	M and Handouts	HW-5
15	5/27	Financial Risk Management and Insurance	C and Handouts	
16	6/03	Crisis Management and Business Continuity	Handouts	
17	6/10	Public Administration and Risk Management	Handouts	
18	6/17	期末報告	分組報告	

參考書籍：

1. Smith, K. *Environmental Hazards – Accessing Risk and Reducing Disaster*, Fourth Edition, Routledge, London, 2004. (S)
2. Wisner, B. and J. Adams (Editors), *Environmental Health in Emergencies and Disasters -- A Practical Guide*, World Health Organization, Geneva, Switzerland, 2002. (W)
3. Dilley, M., R.S. Chen, U. Deichmann, A.L. Lerner-Lam, and M. Arnold, *Natural Disaster Hotspots: A Global Risk Analysis*, World Bank, Washington, D.C., 2005. (D)
4. Robson, M. and W. Toscano (Editors), *Risk Assessment for Environmental Health*, John Wiley, Hoboken, New Jersey, 2007. (R)
5. 台灣大學地理環境資源學系，台灣地區山坡地的土石災害，行政院農業委員會水土保持局，南投，2002。(土)
6. Molak, V. (Editor), *Fundamentals of Risk Analysis and Risk Management*, CRC Press, New York, 1997. (M)
7. American Institute of Chemical Engineers (AIChE), *Guidelines for Chemical Process Quantitative Risk Analysis*, 2nd Edition, AIChE, New York, 2000. (A)