

课程大纲 COURSE SYLLABUS

1.	课程代码/名称 Course Code/Title	ESE5056 污染物环境行为与风险评估 Behaviour and Risk Assessment of Pollutants
2.	课程性质 Compulsory/Elective	专业选修课
3.	课程学分/学时 Course Credit/Hours	3/48
4.	授课语言 Teaching Language	中文
5.	授课教师 Instructor(s)	史江红
6.	先修要求 Pre-requisites	无
7.	教学目标 Course Objectives	
	<p>本课程重点介绍污染物在环境中的环境行为、化学品风险评估的方法和基本原理、及化学品风险管理的国际进展和国内需求等内容，为将来全面探索各类污染物的环境行为和生态风险控制提供知识储备。</p> <p>This course focuses on the environmental behavior of pollutants, the frameworks of chemical risk assessment, and the international progress and needs of chemical risk management. This course also expands students' knowledge bases for studying the environmental behavior of pollutants and chemicals risk management in the future.</p>	
8.	教学方法 Teaching Methods	
	课堂讲授+ 专题讨论 Teaching + Thematic Discussion	
9.	教学内容 Course Contents	
	Section 1	1. 绪论（2 课时） Introduction (2 hours)
	Section 2	2. 污染物的环境行为（16 课时） Environmental Behavior of Pollutants (16 hours)
	Section 3	3. 环境暴露评估（4 课时） Environmental Exposure Assessment (4 hours)
	Section 4	4. 人体暴露评估（4 课时） Human Exposure Assessment (4 hours)

	Section 5	5. 生态毒理学效应 (6 课时) Ecotoxicological Effects (6 hours)
	Section 6	6. 环境风险表征 (6 课时) Environmental Risk Characterization (6 hours)
	Section 7	7. 各国化学品风险管理 (10 课时) Countries Chemical Risk Management
10. 课程考核 Course Assessment		
出勤率 10%+课堂表现 20%+专题汇报 (2 次) 60%+总结报告 10% Attendance: 10% Course performance: 20% Thematic presentation: 60% Final report: 10%		
11. 教材及其它参考资料 Textbook and Supplementary Readings		
1. Textbook 1) 【Ecological Risk Assessment】 ISBN 9781566706346 / 1566706343; AUTHOR Glenn W. II Suter; YEAR 2006 2) 【化学风险评估】，(原著第 2 版) 作者：(荷) C.J.范莱文 出版：化学工业出版社 ISBN: 9787122075529 2. Supplementary Readings: 相关环境类 TOP 杂志文献: Water Research, Environmental Science and Technology 等。		