

课程详述

COURSE SPECIFICATION

以下课程信息可能根据实际授课需要或在课程检讨之后产生变动。如对课程有任何疑问，请联系授课教师。

The course information as follows may be subject to change, either during the session because of unforeseen circumstances, or following review of the course at the end of the session. Queries about the course should be directed to the course instructor.

1.	课程名称 Course Title	环境经济学 Environmental Economics
2.	授课院系 Originating Department	环境科学与工程学院 School of Environmental Science and Engineering
3.	课程编号 Course Code	ESE308
4.	课程学分 Credit Value	3
5.	课程类别 Course Type	专业选修课 Major Elective Courses
6.	授课学期 Semester	秋季 Fall
7.	授课语言 Teaching Language	中英双语 English & Chinese
8.	授课教师、所属学系、联系方式（如属团队授课，请列明其他授课教师） Instructor(s), Affiliation & Contact (For team teaching, please list all instructors)	叶斌，环境科学与工程学院，13725515476 Ye Bin, School of Environmental Science and Engineering, TEL: 13725515476
9.	实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact	待公布 To be announced
10.	选课人数限额(可不填) Maximum Enrolment (Optional)	

11. 授课方式 Delivery Method	讲授 Lectures	习题/辅导/讨论 Tutorials	实验/实习 Lab/Practical	其它(请具体注明) Other (Please specify)	总学时 Total
学时数 Credit Hours	36	6	6	0	48

12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	先修课 Pre-requisites: 高等数学 Calculus
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite	无 N/A
14. 其它要求修读本课程的学系 Cross-listing Dept.	无 N/A

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

学生通过本课程的学习，要达到以下目标：

掌握环境经济学的基础思想和理论；

把握从经济学视角分析环境问题的思维方式、基本方法，了解当前热点环境问题及其背后的经济学解释；

了解环境经济学的理论前沿和发展动态，具有一定的科学研究和实际工作能力。

The course is designed to help students:

1. Master fundamental theories and research methodologies of environmental economics;
2. Master fundamental methodologies to analysis environmental problems through economic perspectives; and
3. Understanding the economic explanations of current hot environmental issues.

16. 预达学习成果 Learning Outcomes

课程要求 Requirements	课程要求指标点 Objectives
经济知识 Economics knowledge	具有跨学科创新能力 Interdisciplinary innovation
问题分析 Analysis	掌握经济学定量定性分析方法 Mastering the quantitative qualitative analysis method of economics
经济与社会 Economy and society	了解创新、低碳经济学的理论前沿和发展动态 Understand the theoretical frontier and development of innovation and low-carbon economics

17. 课程内容及教学日历（如授课语言以英文为主，则课程内容介绍可以用英文；如团队教学或模块教学，教学日历须注明主讲人）
Course Contents (in Parts/Chapters/Sections/Weeks. Please notify name of instructor for course section(s), if this is a team teaching or module course.)



序号 No.	教学内容 Content	教学要求 Requirements	学时 Class Hours
1	环境经济学概论 Introduction to Environmental Economics	1.了解环境经济学的基本概念 2.了解主要研究问题及基本原理 Understand the basic concepts of environmental economics Understand the main research issues and basic principles	4
2	环境资源配置 Environmental resource allocation	1.了解外部性问题 2.了解环境资源配置问题 3. 环境、资源和经济学 1. Understand external issues 2. Understand the configuration of environmental resources 3. Environment, Resources and Economics	2
3	市场失灵与环境退化 Market failure and environmental degradation	1.市场失灵、环境退化的原因 2.私人物品和公共物品 3.气候变化与跨区域污染 1. The causes of market failure and environmental degradation 2. Private goods and public goods 3. Climate change and cross-regional pollution	2
4	生产者行为与环境 Producer behaviour and environment	1.生产者行为理论 2.生产的外部性 3.从生产到污染 4.企业社会责任 1. Producer behavior theory 2. Externality of production 3. From production to pollution 4. Corporate social responsibility	2
5	消费者行为与环境 Consumer behavior and environment	1.消费者行为理论 2.消费的外部性 3.消费与环境关系 1. Consumer behavior theory 2. Externality of consumption 3. Relationship between consumption and environment	2
6	环境价值衡量 Measurement of environmental value	1.非市场产品的价值 2.环境价值及其测量 1. The value of non-market products 2. Environmental Value and Measurement	2
7	习题讨论 Tutorials	习题讨论 Tutorials	2
8	全球与区域环境问题 Global and regional environmental issues	1.全球气候变化问题 2.中国环境问题 3.环境治理 1. Global Climate Change Issues 2. China's environmental issues 3. Environmental governance	3
9	再论环境与市场 On Environment and Market	1.产权和科斯定理; 2.环境问题的市场解决方案 3.排污权交易 1. Property rights and Coase Theorem;	3

		2. Market solutions for environmental issues 3. Emissions trading	
10	政府环保政策 Government Environmental Policy	1. 庇古税 2. 环保政策、行政手段与排放标准 3. 执法与政治经济学 1. Pigou tax 2. Environmental protection policies, administrative measures and emission standards 3. Law Enforcement and Political Economics	4
11	实验/实习 Lab/Practical	拟赴深圳排放权交易所接受培训/ Students will be trained in the China Emissions Exchange	6
12	案例研究：应对气候变化 Case Study: Addressing Climate Change	1. 全球气候变化问题 2. 碳排放交易与碳税 3. 气候谈判 4. 低碳投融资和绿色金融 1. Global Climate Change Issues 2. Carbon trading and carbon tax 3. Climate negotiations 4. Low-carbon investment and financing and green finance	6
13	环境保护与经济增长 Environmental Protection and Economic Growth	1. 经济增长、市场失灵和环境破坏 2. 国民收入账户和人类福利 3. 环境库兹涅茨曲线和环境质量需求 4. 经济增长新方式 1. Economic growth, market failure and environmental damage 2. National income accounts and human welfare 3. Environmental Kuznets Curve and Environmental Quality Requirements 4. New ways of economic growth	4
14	可持续发展 sustainable development	1. 可持续性、福利和公平 2. 可持续生产和消费 3. 可持续发展与代际公平 1. Sustainability, welfare and fairness 2. Sustainable production and consumption 3. Sustainable development and intergenerational equity	2
15	习题讨论 Tutorials	习题讨论 Tutorials	4

18. 教材及其它参考资料 Textbook and Supplementary Readings

教材：The Economics of Environment, 2013 Edition, by Peter Berck and Gloria Helfand, 2013

课程评估 ASSESSMENT

19. 评估形式 Type of Assessment	评估时间 Time	占考试总成绩百分比 % of final score	违纪处罚 Penalty	备注 Notes
出勤 Attendance	The entire semester	10%		
课堂表现 Class Performance	The entire semester	10%		
小测验 Quiz				
课程项目 Projects		30%		
平时作业 Assignments				
期中考试 Mid-Term Test				
期末考试 Final Exam	Final week	50%		In-class, 闭卷考试
期末报告 Final Presentation				
其它(可根据需要 改写以上评估方式) Others (The above may be modified as necessary)				

University
and

20. 记分方式 GRADING SYSTEM

- A. 十三级等级制 Letter Grading
 B. 二级记分制 (通过/不通过) Pass/Fail Grading

课程审批 REVIEW AND APPROVAL

21. 本课程设置已经过以下责任人/委员会审议通过
 This Course has been approved by the following person or committee of authority

