

## Syllabus for Environmental Management and Policy (Autumn Term of 2021-2022)

### *I. Basic information*

#### **Teaching Group:**

- 1) Professor Lu Xi, [xilu@tsinghua.edu.cn](mailto:xilu@tsinghua.edu.cn)
- 2) Professor Chen Zhuo, [zhuochen@mail.tsinghua.edu.cn](mailto:zhuochen@mail.tsinghua.edu.cn)
- 3) TA Wang Jie, [w-j19@mails.tsinghua.edu.cn](mailto:w-j19@mails.tsinghua.edu.cn)

**Credit:** 3

**Course time:** Monday and Tuesday, 19:20-21:45

**Address:** Room 119, School of Environment & Online

### *II. Arrangement*

#### **Lectures:**

Week	Date	Content
1	9.13	Introduction of the course; Roots and emergence of environmental problems; Basic theory of environmental management: definition, objects, classification, scientific basis. ( <i>Professor Lu Xi</i> )
2	9.14	Basic theory of environmental management: Actions & movements; Organization & leadership; Environment standards, ISO 14000 (focused on China). ( <i>Professor Chen Zhuo</i> )
3	9.18	Development of Environmental Management in China; Definition and basic concepts of environmental management; Implementation instruments of environmental management in China. ( <i>Professor Lu Xi</i> )
4	9.26	Subject lecture: Water resource management: Water Environment Problems and management strategies; Conventional and alternative water resource; Integrated urban water management. ( <i>Professor Chen Zhuo</i> )
5	9.27	Subject lecture: Water and Wastewater Treatment and Management in China. ( <i>Professor Qiu Yong</i> )
6	9.28	Subject lecture: Remarking sustainability science. ( <i>Professor Zhang Xiaoling</i> )
7	<b>10.04</b>	<b>Seminar.</b>

8	10.05	Subject lecture: Climate change and carbon neutrality ( <i>Professor Lu Xi</i> )
9	10.11	Sustainable Development Goals (SDGs). ( <i>Professor Lu Xi</i> )
10	10.12	Subject lecture: Input-output Analysis and its Applications in Environmental Management and Policy. ( <i>Postdoctoral Zhang Zhonghua</i> )
11	10.18	Sustainable Development Goals (SDGs). ( <i>Professor Lu Xi</i> )
12	10.19	Subject lecture: Global E-waste Management. ( <i>Professor Zeng Xianlai</i> )
13	10.25	Subject lecture: Air Pollution, its Historical Perspective from Asian Countries Lessons and experiences from China. ( <i>Professor Lu Xi</i> )
14	10.26	Subject lecture: ISO and Environmental Sustainability. ( <i>Professor Zhu Xia</i> )
15	11.01	<b>Group presentation (1~4).</b>
16	11.02	<b>Group presentation (5~7).</b>

**Assessment:**

1) Class participation (10%);

2) Seminar (20%):

3 persons per group, 10 groups;

Topic: Compare the management & policies for a certain environmental issue between two countries.

3) Homework (20%);

4) Group work (50%):

Presentation (20%) and report (30%);

3 persons per group, 10 groups;

Topic: Evaluation of the SDGs progress for a country/region.