

## *PKU Globex Julmester*

### Sustainability Theory and Practices (3 Credits)

可持续性理论与实践

(Course Code: 00333109)

Instructor	Tracy Morse (tracy.thomson@strath.ac.uk) Centre for Sustainable Development, The University of Strathclyde, UK	
Synopsis	<p>This course will introduce students to sustainable development using real-world design challenges in a supported environment. Through a project based learning approach, students will examine the impact of their future disciplines on people, place and the planet.</p> <p>Students will learn the theory of sustainable development and climate change, and then using these principles will examine solutions to real life problems through case studies, taking into consideration the environment, social and economic implications of proposed solutions. Students will explore issues of interdisciplinary and cross sectoral engagement, risks of maladaptation, and the role of technology.</p> <p>This course will be led by Professor Tracy Morse and Donald Robertson and will feature lectures from other experts from the University of Strathclyde.</p>	
Audience	Year 3 & 4 Undergraduate and Graduate Students	
Classroom	TBA	
Schedule	<u>Class</u> : 2-5 PM (Beijing Time), M-F, July 1 -19, 2024	<u>Total Contact Hours</u> : 45
Objective	To develop an understanding of the principles of sustainability, and how the many facets of sustainability relate to sustainable solutions.	
Topics	<ol style="list-style-type: none"><li>1. Understanding the principles of sustainability and climate change</li><li>2. Interdisciplinary working and human centered design</li><li>3. Design process for inclusive development</li><li>4. Ideation and iteration in design</li><li>5. Critical evaluation of sustainable solutions</li></ol>	
Reference	<p>Material will be provided during the course</p> <p>Additional recommended reading:</p> <p>Cohen, M.J. (2021) Sustainability. Cambridge: Polity Press.</p> <p>IDEO (2015) Human Centred Design.</p>	
Grading	<p>3 x weekly assessments</p> <ul style="list-style-type: none"><li>- Week 1: Quiz (individual) (30%)</li><li>- Week 2: Midterm presentation (group) (30%)</li><li>- Week 3: Final presentation (group) (40%)</li></ul> <p>100% Total</p>	