

## 课程简介/Course introduction

### **ESE223. 城市与环境 (3)**

理论课，3 学分，3 学时/每周。先修课：无。这门课程将与同学们共同讨论采取生态学的眼光来看待城市，通过城市景观中最本源的自然环境元素的呈现，对城市开发进行指导，制订能响应环境的城市规划和设计方案，从而避免土地利用方式与环境之间冲突，来应对城市规划和发展中的趋同性。我们将在这门课程中研究城市景观中普遍存在的一些主要自然元素，例如地形、土壤、水文、气候、植被和栖息地等。我们研究这些自然元素与城市规划息息相关的一些问题，比如棕地治理、垃圾填埋场的恢复及土地再利用、暴雨管理、坡地分类和湿地改造等。

### **ESE223. City and Environment (3)**

Lecture, 3 credits, 3 hours per week. Pre-requisites: NA. Together with students in this course, we will research on the various presentations of the most original natural environmental elements in urban landscape and study the approaches of urban planning and design that can largely respond to the environment. In this course, we will study some of the main natural elements that are ubiquitous in urban landscape, such as topography, soil, hydrology, climate, vegetation and habitat, etc.; and how these natural elements can be better utilized and well protected in the process of spatial transformation in urban development, to solve some problems closely related to urban planning, such as brownfield redevelopment, landfill restoration, rainstorm management, sloping land utilization and wetland reconstruction.