课程简介的中英文模板

DS225. 循环再生产品设计：实体（3）

本课程将可持续性作为系统实体对象设计的框架引入，概述了不同系统层面的相关理论，包括产品、产品服务、空间社会和社会技术系统层面。学生将追踪设计实践的最新发展，分析关键设计方法的原则，包括循环经济、从摇篮到摇篮的设计、可持续行为设计、系统设计和产品服务系统设计。 本课程将聚焦于上述系统中的实体对象，让学生与校外合作者一起分析现有环境。 学生将根据可持续设计原则制定设计方案，将实体对象作为其所属系统网络的一部分进行定义或重新定义。本课程将根据校外合作机构相关安排等情况组织实地考察。

技能：转化构想； 重复使用

DS225. Circular Products: Object (3)

Introducing sustainability as a framework for systemic object design, the course outlines related theories at different systemic levels, including product, product-service, spatio-social and socio-technical system levels. Tracing recent developments of design practice, students will analyze principles of key design approaches including circular economies, cradle to cradle design, design for sustainable behavior, systemic design and product-service system design. Focusing on the object as a part of such systems, the course engages students with an external collaborator to analyze existing contexts. Students will develop design proposals that define or redefine objects as part of their systemic networks according to sustainable design principles.

Skills: translational envisioning; reuse

Name of Instructor: Christiane Herr

Signature of instructor:

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