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| 课程号： | 80800352 | 课程名： | 可持续设计理论与实践 |
| 学时： | 32  Class hours: 32 | 学分： | 2  Credits: 2 |
| 课程简介： | 可持续设计”DfS（Design For Sustainability）源于可持续发展的理念，是以系统的视角综合解决社会、经济、环境和谐发展的重要设计理论与方法。具体来说是针对各种问题提出创新性的可持续性解决方案Sustainable Solution。这些方案可能是物质化的产品设计，也可能是信息设计、交互设计，或是广义的服务系统设计。因此，可持续设计是典型的涉及跨学科领域的重要课程。在本课程中，教师将系统讲授可持续设计的相关概念、理论发展、核心观点以及操作方法、工具等等，并结合实际案例对上述理论和方法进行分析和解读。而后将指导学生选择相关领域进行设计研究，根据发现的具体问题和设计机会点，以可持续性的设计原则和方法进行设计实践。本课程要求学生不仅应掌握可持续设计的相关理论和方法，还应落实到具体的解决方案上。 | | |
| 英文课程简介： | This course is opened for graduate students from all the departments in the Academy. Design for Sustainability (DFS) originated from the idea of sustainable development, is the most important design theory and method on put forward the comprehensive solution to the harmonious development from the perspectives of social, economic and environmental. These solutions may be physical product design, may also be information design, interactive design, or the service system design. In the course, the teacher will be introducing related concept, evolution of the theory, core ideas and operating methods and tools of DfS, and combined with the actual cases to analysis and interpretation of the above theory and method. Then, guiding students to find problems and design opportunities from the selected areas and propose the innovative design solution according to the principles and methods of DfS | | |
| 考核方式： | 可持续的产品或服务系统设计实践、课堂研讨、出勤  Assessment method: Sustainable product or service system design practice, class discussion, attendance | 教材及参考书： | Ceschin, F., Evolution of design for sustainability: From product design to design for system innovations and transitions, Design Studies (2016)。为真实的世界设计， 维克多•帕帕奈克著，周博译，中信出版社。设计反思: 可持续设计策略与实践, 谢卓夫，刘新等译，清华大学出版社。翻转极限——生态文明的觉醒之路，魏伯乐，同济大学出版社。Product-Service System Design for Sustainability, Carlo Vezzoli…Greenleaf publishing, January, 2014. Design, When Everybody Designs: An Introduction to Design for Social Innovation, Ezio Manzini, The MIT Press, 2015。www.lens-china.org 中国可持续设计学习网络。 |
| 主教材： |
| 合开教师： | 钟芳博士 | 选课指导： | 本课程将系统阐述可持续设计的理念、方法以及应用工具，其核心目标就是使同学意识到，设计创新对于国家可持续发展与生态文明建设的重要意义，并掌握如何进行可持续设计的相关理论、方法。  Course selection guide: This course will systematically explain the concept, methods and application tools of sustainable design, and its core goal is to make students realize the significance of design innovation for the sustainable development of the country and the construction of ecological civilization, and master the relevant theories and methods of sustainable design. |
| 先修要求： | 需要之前选修设计思维、设计程序与方法，以及设计伦理等课程  Prior courses: Design thinking, design procedures and methods, and design ethics are required | | |