

课程详述

COURSE SPECIFICATION

以下课程信息可能根据实际授课需要或在课程检讨之后产生变动。如对课程有任何疑问，请联系授课教师。

The course information as follows may be subject to change, either during the session because of unforeseen circumstances, or following review of the course at the end of the session. Queries about the course should be directed to the course instructor.

1.	课程名称 Course Title	研究方法 Research Methods
2.	授课院系 Originating Department	创新创意设计学院 School of Design
3.	课程编号 Course Code	DS401
4.	课程学分 Credit Value	2
5.	课程类别 Course Type	Major Required Course
6.	授课学期 Semester	Fall
7.	授课语言 Teaching Language	英文 English
8.	授课教师、所属学系、联系方式 (如属团队授课, 请列明其他授课教师) Instructor(s), Affiliation & Contact (For team teaching, please list all instructors)	Thomas FISCHER Professor, School of Design tfsicher@sustech.edu.cn
9.	实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact	t.b.a
10.	选课人数限额(可不填) Maximum Enrolment (Optional)	

11. 授课方式 Delivery Method	讲授 Lectures	习题/辅导/讨论 Tutorials	实验/实习 Lab/Practical	其它(请具体注明) Other (Please specify)	总学时 Total
学时数 Credit Hours	32				32
12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	无 N/A				
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite	无 N/A				
14. 其它要求修读本课程的学系 Cross-listing Dept.	无 N/A				

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

SD401 Research Methods is aligned with the concurrent course DS402 Research Project. It introduces students to methods, models, and theories of design and design research and related visualization and academic writing techniques. It guides students in selecting and applying these to support individual design projects conducted in parallel with SD402. Through lectures, readings, and guided discussions, students will establish repertoires of methods and approaches to conduct well-documented and appropriately reasoned design research inquiries.

Skills: planning and conducting research

16. 预达学习成果 Learning Outcomes

At the end of this course, students will be able to:

1. describe the characteristics and purposes of design research
2. identify suitable design research methods for a self-defined design project
3. plan and communicate a design research inquiry in support of a self-defined design project

17. 课程内容及教学日历 (如授课语言以英文为主, 则课程内容介绍可以用英文; 如团队教学或模块教学, 教学日历须注明主讲人) Course Contents (in Parts/Chapters/Sections/Weeks. Please notify name of instructor for course section(s), if this is a team teaching or module course.)

Week	Content
01	Lecture (2 hours) Welcome, Course Introduction, <i>Creating Design Knowledge</i>
02	Lecture (2 hours) <i>Scientific Research and Design Research</i>
03	Lecture (2 hours) <i>Design Process Models I</i>
04	Lecture (2 hours) <i>Design Process Models II</i>
05	Lecture (2 hours) <i>Rise and Fall of the Design Methods Movement, Hypotheses and Research Questions</i>
06	Lecture (2 hours) <i>Contemporary Design Research Methods (Empirical User Research)</i>
07	Lecture (2 hours) <i>Design Research Ethics, Working with Literature</i>
08	Interim Presentations (2 hours) Individual interim design research brief reviews
09	Lecture (2 hours) <i>Inspiration and Variety Generation</i>
10	Lecture (2 hours) <i>Testing and Evaluation</i>
11	Lecture (2 hours) <i>Design Research Case Studies</i>
12	Lecture (2 hours) <i>Quantitative and Qualitative Research Methods</i>
13	Lecture (2 hours) <i>Visual Research, Visual Communication for Design Research</i>
14	Lecture (2 hours) <i>Design Research Brief and Report Writing, Presentation</i>
15	Lecture (2 hours) Open topic(s) arising from previous discussions, tutorial discussions
16	Final Presentations (2 hours) Individual final design research brief reviews

18. 教材及其它参考资料 **Textbook and Supplementary Readings**

Gjoko Muratovski (2022), *Research for Designers: A Guide to Methods and Practice*, 2nd edition, Sage, London. (recommended)
Jenn Visocky O'Grady and Ken Visocky O'Grady (2017). *A Designer's Research Manual*, 2nd edition, Rockport Publishers, Minneapolis. (optional)

课程评估 ASSESSMENT

19. 评估形式 Type of Assessment	评估时间 Time	占考试总成绩百分比 % of final score	违纪处罚 Penalty	备注 Notes
出勤 Attendance		10%		
课堂表现 Class Performance				
小测验 Quiz				
课程项目 Projects				
平时作业 Assignments				
期中考试 Mid-Term Test				
期末考试 Final Exam				
期末报告 Final Presentation		90%		
其它（可根据需要 改写以上评估方式） Others (The above may be modified as necessary)				

20. 记分方式 GRADING SYSTEM

- A. 十三级等级制 Letter Grading
 B. 二级记分制（通过/不通过） Pass/Fail Grading

课程审批 REVIEW AND APPROVAL

21. 本课程设置已经过以下责任人/委员会审议通过
This Course has been approved by the following person or committee of authority

Professor Tom Kvan
Dean, School of Design

