



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	工业设计史 Industrial Design History
2.	授课院系 Originating Department	系统设计与智能制造学院 School of System Design and Intelligent Manufacturing (SDIM)
3.	课程编号 Course Code	SDM213
4.	课程学分 Credit Value	3
5.	课程类别 Course Type	专业基础课 Major Foundational Course
6.	授课学期 Semester	春季 Spring
7.	授课语言 Teaching Language	英语 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)	Joanne HEALY 系统设计与智能制造学院 (SDIM) School of System Design and Intelligent Manufacturing
9.	实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact	tbc
10.	选课人数限额(可不填) Maximum Enrolment (Optional)	tbc



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		64
12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	无 NIL				
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite	无 NIL				
14. 其它要求修读本课程的学系 Cross-listing Dept.	无 NIL				

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

本课程探讨了从 18 世纪至今的设计对社会和文化的的影响，带领学生了解设计的历史，设计学科的发展以及影响未来设计实践的问题。该课程将从工业革命、工艺美术、现代主义、后现代主义到信息时代开始，分析重要的历史运动，相关的因果关系以及对社会和文化的影响。

学习内容：

- 理解设计不仅为一项创造性活动，而更重要的是过去、今天和未来在文化和社会中的作用；
- 发展批判性思维技巧，以评估对设计产生的影响；
- 确定因果关系和影响/事件与行动之间的关系，不仅要问“什么”，还要问“为什么”和“如何”；
- 确定当今和未来设计与过去设计影响力的相似之处；
- 团队合作
- 给出有关特定主题的简要摘要或说明。

This course examines the social and cultural impact of design from the 18th century to today and will provide students with an understanding of the history of design, its development as a discipline and continuous evolution today as well as contemporary issues impacting its practice for the future. The course will examine the critical historical movements, relevant cause-and-effect as context and resulting impact on society and culture, starting from the Industrial Revolution, Arts & Craft, Modernism, Post-Modernism to the Information Age.

Students will learn to:

- understand design not only as a creative activity but, more importantly, in the context of its role on culture and society from the past to today and into the future
- develop critical thinking skills to assess what makes design *impactful*;
- identify the cause-and-effect or the relationship between movement/events and action - and to ask not only 'what' but 'why' and 'how'
- identify similarities in influence and impact from the past that underlie design today and tomorrow
- work and collaborate as a team
- and, finally, present a concise abstract or precis on a particular topic

第 1-2 周：工业革命

理论：三次工业革命从根本上改变了现代社会：蒸汽机、大批量生产和正在不断发展的数字信息技术。

Weeks 1 - 2: Industrial Revolution

Lecture: **Three Industrial Revolutions** that fundamentally changed modern society: the steam engine, the age of science and mass production, and the rise of digital technology.

第 3-4 周：艺术和手工艺

理论：工艺美术运动的核心信念——赞美材料之美、以自然为灵感的重要性以及实用简单的价值——依然在当今社会产生共鸣。



团队作业 1: 过去和现在

从下列选项中选择一个发明, 比较它们对过去和现在的影响。

汽车 (运输)、电话 (沟通)、计算机 (技术)、广播和电视 (媒体)、电灯 (能源)

Weeks 3 - 4: Arts & Craft

Lecture: **Core Beliefs of the Arts & Crafts Movement** – exceptional craftsmanship that celebrates beauty of the material, the importance of nature as inspiration and the value of simplicity in utility – that continue to resonate today.

Team Assignment 1: Then and Now

Select one invention from a select list and compare/contrast its impact then and now.

The Automobile (Transportation), The Telephone (Communications), The Computer (Technology), Radio & Television (Media), The Electric Light (Energy)

第 5-6 周

课堂训练

团队报告 1

Week 5 - 6

Work in class

Team Presentations 1

第 7-8 周: 现代主义

理论: 现代主义的进步哲学——摒弃装饰和风格, 拥抱新材料、新技术和大批量生产。

Weeks 7 - 8: Modernism

Lecture: **The Philosophy of Progress in Modernism** – the rejection of ornamentation and style and embracing of new materials, technologies and mass-production

第 9-10 周: 后现代主义

理论: 后现代主义对非传统、不切实际和个体的颂扬。

团队作业 2: 文学、建筑、时尚、设计和摄影在现代主义和后现代主义中的对比。

Weeks 9 - 10: Post-Modernism

Lecture: **Celebration of the Unconventional, Impractical and the Individual** in Post-Modernism

Team Assignment 2: Modernism vs Post-Modernism In...Literature, Architecture, Fashion, Design, Photography

第 11-12 周

课堂训练

团队报告 2

Week 11 - 12

Work in class

Team Presentations 2

第 13-14 周: 信息时代

理论: 从工业生产到现代主义的信息和计算机化

团队作业 3: 共同的主题, 体验年龄导致的显著差异。

Weeks 13-14: Information Age

Lecture: **From Industrial Production to Information and Computerization**

Team Assignments 3: Common Themes, Notable Differences Leading to the Experience Age

第 15-16 周: 终期作业: 体验年龄

课堂训练

终期团队报告 3

Week 15 -16: Final Assignment: The Experience Age

Work in class



FINAL Team Presentation 3

16. 预达学习成果 Learning Outcomes

通过本门课程的学习，学生将会了解并掌握一下知识技能：

Upon completing the course, students will:

1. 理解：

- 设计在历史中扮演的角色以及其对文化和社会的影响；
- 发掘设计在历史变革中的相同和不同之处；
- 设计怎样影响我们今天和未来的生活。

1. Gain understanding of

- the role of design in history and its influence on culture and society
- underlying similarities and differences in the evolution of design in history
- how design continues to impact our lives today and will impact our future

2. 建立批判思维能力：

- 理解“为什么”，而不仅仅知道“什么”；
- 识别和提取关键内容和涵义的能力；
- 清晰、简洁而有意义的表达能力；
- 工作和团队合作的能力。

2. Build critical thinking skills

- Understanding 'why', not just the 'what'
- Ability to identify and extract critical content and meaning
- Ability to present clearly, succinctly and meaningfully
- Ability to work and collaborate in teams

3. 能够清晰客观的阐述新产品或改进产品的想法：

- 清晰的确定潜在优势框架，以及对新想法/解决方案可能的影响；
- 自信、简洁而独具内涵的表达。

3. Ability to articulate a clear, objective case for new or enhanced product ideas

- Define a framework for articulating the potential benefits, possible impact of new ideas/solutions
- Have confidence in presenting clearly, succinctly and meaningfully

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.)



课程计划 Course Schedule					
教学周 Weeks	课时 Hours	理论课 Lecture		实践课 Practice	课时 Hours
		课程主题 Lecture Title	语言 Language	NA	
1-4	8	三次工业革命 Three Industrial Revolutions	<ul style="list-style-type: none"> • 英文 • English 	调研练习：事实调查、分析、“过去和现在”的含义、总结。 （选择一种产品/行业，并研究技术变化及其对人类生活方式的影响） 小组和/或个人指导 Research exercise: fact-finding, analysis, meaning of 'then and now', conclusions (Select a product / industry and investigate the technological changes and its impacts on human lifestyle) Group and/or individual tutorials	8
5-6	4	艺术与工艺运动的核心信念 团队作业：古今汽车（运输）、电话（沟通）、计算机（技术）、广播和电视（媒体），电灯（能源） 团队或个人指导（讨论） Core Beliefs of the Arts & Craft	<ul style="list-style-type: none"> • 英文 • English 	确定技术及其相关设计研究 演示文稿的准备 Finalization of technology and its related design research Presentation development and preparation	2



		<p>Movement</p> <p><i>Team Assignment: Then and Now</i></p> <p><i>The Automobile (Transportation), The Telephone (Communications), The Computer (Technology), Radio & Television (Media), The Electric Light (Energy)</i></p> <p>Group and/or individual tutorials (discussions)</p>		<p>撰写调研报告</p> <p>Writing a research report</p>	2
7	2	<p>识别设计技术对人类生活方式产生的影响</p> <p>Identifying the impacts of technology to design resonated to human lifestyle</p>	<ul style="list-style-type: none"> • 英文 • English 	<p>现代主义和后现代主义历史的初步研究</p> <p>Primary research of history of Modernism and Post-Modernism</p>	4
8	2	<p>调研报告</p> <p>Research Presentation 1</p>	<ul style="list-style-type: none"> • 英文 • English 		
9-10	4	<p>现代主义的进步哲学</p> <p>The Philosophy of Progress in Modernism</p>	<ul style="list-style-type: none"> • 英文 • English 	<p>课题研究与文献综述</p> <p>Research and Literature Review of assigned topic</p>	2
11	2	<p>后现代主义：颂扬非传统和不切实际</p> <p>文学、建筑、时尚、设计、摄影中的现代主义与后现代主义</p> <p>Post-Modernism: Celebration of the Unconventional, Impractical</p> <p><i>Modernism vs Post-Modernism in Literature, Architecture, Fashion, Design, Photography</i></p>	<ul style="list-style-type: none"> • 英文 • English 	<p>构建演示文稿的需求-事实调查、分析、“从过去到现在”的含义、总结。</p> <p>演示文稿的准备</p> <p>Constructing of requirements for the presentation – fact-finding, analysis, meaning of ‘then and now’, conclusions Presentation development and preparation</p>	2
12	2	<p>后现代主义对非传统、不切实际和个体的颂扬。</p> <p>团队作业：文学、建</p>	<ul style="list-style-type: none"> • 英文 • English 	<p>编写调研报告</p> <p>Writing a research report</p>	2



		<p>筑、时尚、设计和摄影在现代主义和后现代主义中的对比。</p> <p>Post-Modernism: Celebration of the Unconventional, Impractical and the Individual</p> <p><i>Team Assignments: Modernism vs Post-Modernism In...</i></p> <p><i>Literature, Architecture, Fashion, Design, Photography</i></p>			
13	2	<p>课堂练习</p> <p>调研报告 2</p> <p>in-class workshop</p> <p>Research Presentation 2</p>	<ul style="list-style-type: none"> • 英文 • English 	<p>团队作业：统一主题调研，导致信息时代显著的差异</p> <p>Team Assignment: Research of Common Themes, Notable Differences Leading to the Information Age</p>	6
14	2	<p>信息时代：从工业生产到现代主义的信息和计算机化</p> <p>团队作业：共同的主题，体验年龄导致的显著差异</p> <p>Information Age: From Industrial Production to Information and Computerization</p> <p><i>Team Assignments: Common Themes, Notable Differences Leading to the Experience Age</i></p>	<ul style="list-style-type: none"> • 英文 • English 		
15	2	<p>体验年龄</p> <p>The Experience Age</p>	<ul style="list-style-type: none"> • 英文 • English 		
16	2	<p>终期报告：体验年龄</p> <p>Final Presentations: The Experience Age</p>	<ul style="list-style-type: none"> • 英文 • English 	<p>准备团队终期报告，包括个人的评估</p> <p>Writing Final Report including individual Reflection and Evaluation</p>	2

英文授课，课程材料、学生作业均为英文。终期报告可为中文或报告者倾向的语言。

All teaching is conducted in English, including teaching materials and oral communications. Students assignment submission should be in English as well. Final Presentation for open audiences can be presented in Chinese or preferred language.

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



Supplementary readings:

Penny Sparke (2018). Industrial Design in the Modern Age, Rizzoli Electa. ISBN-13: 978-0847862405

Scott Berkun (2020). How Design Makes the World. Berkun Media, LLC. ISBN-10: 0983873186

Robin Mckenzie (2014). History of Industrial Design: An Introduction for Product Design and Engineering. Robin McKenzie. ASIN: B00LN72G1A

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					
课堂表现 Class Performance	第 1-16 周 Week 1-16	10		学生参与课上讨论 学生团队合作和高校工作的能力 Students' participation in classroom discussions Students' ability to collaborate and work effectively in teams	
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					
其它（可根据需要 改写以上评估方 式） Others (The above may be modified as necessary)	团队报告作业 Team Presentation Assignments	第 6 周 Week 6	20	NIL	理解“为什么”，不仅仅是“什么”； 识别和提取关键内容和涵义的能力； 清晰、简洁而有意义的表达能力； 工作和团队合作的能力。 Understanding 'why', not just the 'what' Ability to identify and extract critical content and meaning Ability to present clearly, succinctly and meaningfully Ability to work and collaborate in teams
	团队报告作业 Team Presentation Assignments	第 12 周 Week12	20	NIL	理解“为什么”，不仅仅是“什么”； 识别和提取关键内容和涵义的能力； 清晰、简洁而有意义的表达能力；



				<p>工作和团队合作的能力。 Understanding 'why', not just the 'what' Ability to identify and extract critical content and meaning Ability to present clearly, succinctly and meaningfully Ability to work and collaborate in teams</p>
<p>终期作业 Final Assignment</p>	<p>第 16 周 Week16</p>	<p>50</p>	<p>NIL</p>	<p>理解“为什么”，不仅仅是“什么”； 识别和提取关键内容和涵义的能力； 清晰、简洁而有意义的表达能力； 工作和团队合作的能力。 Understanding 'why', not just the 'what' Ability to identify and extract critical content and meaning Ability to present clearly, succinctly and meaningfully Ability to work and collaborate in teams</p>

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