

# 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.	<b>课程名称 Course Title</b>	毕业设计
2.	<b>授课院系 Originating Department</b>	创新创意设计学院 School of Design
3.	<b>课程编号 Course Code</b>	DS420
4.	<b>课程学分 Credit Value</b>	3
5.	<b>课程类别 Course Type</b>	实习实践课 practice
6.	<b>授课学期 Semester</b>	春季 Spring
7.	<b>授课语言 Teaching Language</b>	英文 English
8.	<b>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 &amp; Contact ( For team teaching, please list all instructors)</b>	Christiane M. Herr Professor, School of Design cmherr@sustech.edu.cn

9. 实验员/助教、所属学系、  
联系方式  
Tutor/TA(s), Contact

无 NA

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			256		256

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

The graduation thesis project of the BEng Industrial Design Engineering is the final and most comprehensive project students accomplish during their studies. The graduation project is a self-directed project conducted over the course of one year that integrates students' previous learning in a coherent form. Students will demonstrate their ability to manage and direct their project work and think critically and independently. The graduation thesis project is conducted in the following steps: 1) Topic selection, 2) Final Year Project Review and Declaration, 3) Opening Report presentation and submission, 4) Project Development Report, 5) Mid- term Review, 6) Final Review, and 7) Graduation Exhibition. Steps 1 to 3 are conducted in the fall semester, Steps 4 to 7 are conducted in the spring semester.

Students can work individually or in teams. For teamwork projects, individual contributions have to be clearly stated for the purpose of assessment. Where appropriate, students may engage with industry to define the project and/or deliver it.

Skills: Communication, innovation, project management, leadership

#### **Process (for details see the School of Design Graduation Project Regulations):**

##### **1. Topic selection**

Announcement of the list of thesis supervisors and faculty member's topics available for mutual selection based on first, second and third choice.

##### **2. Final Year Project Review and Declaration**

Confirmation of final results and declaration of students' topic selection.

##### **3. Opening Report (assessed as part of DS402 Research Project)**

Writing of the project report is integrated with the DS402 Research Project course. As final outcome of DS402 and as Opening Report for the graduation thesis project, students produce a design-oriented research report that focuses on background research and the development of a preliminary design concept for the graduation thesis topic.

##### **4. Project Development Report(20%)**

The Design Development Report is presented and assessed in the beginning of the spring semester.

##### **5. Mid- term Review**

The mid-term review is organized in the middle of the spring semester. Students' progress in the graduation thesis project is checked and formative feedback is offered.

**6. Final Review (20%)**

The final review is scheduled in week 14 of the spring semester. Students present their final outcomes to a panel of supervisors and external guests. Internal reviewers assess the quality of students' design process and the quality of the outcomes.

**7. Graduation Exhibition (60%)**

The Graduation Exhibition is held at the end of the spring term. Students who have been qualified to participate in the Graduation Exhibition will present and demonstrate their works through high quality visual materials, physical models and other media works in addition to various forms of process models at the Graduation Exhibition. Student works are assessed by a panel consisting of all graduation thesis supervisors.

16. 预达学习成果 Learning Outcomes

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

1. Demonstrate comprehensive skills to conduct and document applied research independently, including skills of reviewing literature, collecting and processing data and critical review of previous work in the field.
2. Integrate and apply knowledge of fundamental theories of design
3. Demonstrate mastery of a broad range of design skills in producing a high quality design project
4. Show creativity and critical reflection in identifying and addressing contemporary design challenges

在本课程结束时，学生将能够：

展示独立进行和记录应用研究的综合技能，包括审查文献、收集和处理数据以及对该领域先前工作的批判性审查的技能。

整合和应用设计基础理论的知识

展示对各种设计技能的掌握，以制作高质量的设计项目

在识别和应对当代设计挑战时表现出创造力和批判性反思

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.)**

<u>Week</u>	<u>Content</u>
1	<b>Design Development Report (20%)</b>
2	
3	
4	

5	
6	
7	
8	<b>Mid-Term Review</b> Formative Feedback
9	
10	
11	
12	
13	
14	<b>Final Presentation (20%)</b> Project work, internal feedback, and learning to write and present sound in a report and in a presentation
15	
16	<b>Final Exhibition (60%)</b> Submission of final exhibited work in various appropriate formats, submission of completed Thesis Report.

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

<p><b>Core Readings</b></p> <p>N/A</p>
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课程评估 ASSESSMENT

19. 评估形式 评估时间 占考试总成绩百分比 违纪处罚 备注  
**Type of Time Assessment % of final score Penalty Notes**

出勤 Attendance				
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				
其它 (可根据需要 改写以上评估方式) Others (The above may be modified as necessary)		20% 20% 60%		Design Development Report Final Presentation Final Exhibition

20. 记分方式 GRADING SYSTEM

<input checked="" type="checkbox"/> A. 十三级等级制 Letter Grading
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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**

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