设计学(140300)全日制博士培养方案

Design

一、基本信息 Basic Information

院 系 名 称 School	(430)设计学院 School of Design		适 用 年 级 Grade	2023
适 用 专 业 Major	设计学(140300) Design			
项 目 类 型 Program Type	全日制博士			
最 低 学 分	16	最低 GPA 学分	0	最低 GPA	0

二、学科简介 Introduction

上海交通大学于 1986 年在钱学森学长的建议下创建设计学科，1999 年开始招收"设计艺术学"硕士研究生，2011 年起全国首批招收"设计学"硕士研究生，2015 年设立"设计科学与工程"交叉博士点，2017 年 12 月成立设计学院，并列入学校"双一流"重点建设的 17 个学科群之一；2018 年全国首批自主增列设计学一级博士点。在英国 QS 世界大学学科排名上，艺术与设计（Art &Design） 学科 2015、2016 年连续两年进入全球 50 强。本学科立足交通大学综合性大学的强大优势，注重科学与艺术的融合，强调多学科创新设计，旨在培养面向未来的、具有家国情怀、领袖才能、国际视野、创新精神的"第一等"人才。师资雄厚、治学严谨，现有博士生导师 21 人，教授 10 人，副教授 9 人。学科下设智能设计理论与方法、信息与交互设计、环境与可持续设计三大前沿特色方向。毕业生就业去向为高校及科研院所、制造业设计部门、信息互联网行业设计与用户体验部门、设计咨询公司、文化创意及媒体行业、自主创业等。

The discipline of design was first established in 1986 on the suggestion of Qian Xuesen, and started to enroll graduate students from 1999, one of the very first in China. In 2015, it set up the "Design Science and Engineering" cross-doctoral program. The School of Design was established in December 2017, and was included as one of the university's 17 "double first-class"

academic clusters; in 2018, the independent design-level doctoral program was added. As for QS World University Rankings, it has entered the Global Top 50 of Art &Design in two consecutive years starting in 2015.This discipline is based on the strong advantages of the comprehensiveness of Shanghai Jiao Tong University, focusing on the integration of science and art, and emphasizing multi-disciplinary innovation design. It cultivates talented design professionals imbued with concern for our common human destiny, dedicated to providing solutions for the development of humanity. At present, there are 21 doctoral supervisors, 10 professors and 9 associate professors representing its strong teaching resources and rigorous academic attitude. Under the discipline, there are three frontier research directions including Intelligent Design Theory and Method, Information and Interaction Design, Environment and Sustainable Design. Graduates and alumni tend to work in universities and research institutes, manufacturing design departments, Internet industry and user experience departments, design consulting companies, cultural creativity and media industries, as well as in independent entrepreneurship.

三、培养目标 Program Objective

设计学博士学位获得者应能系统性地掌握本学科坚实宽广的基础理论知识，深入了解设计学科的进展、动向和最新发展前沿；具有独立从事科学研究及设计创新的能力，并在设计学领域取得理论或实践上的创造性研究成果；能熟练阅读本专业的外文资料，具有一定的写作能力和进行国际学术交流的能力；能胜任高等院校教学、科学研究、产品开发或设计管理等工作；具备全面的设计学高端人才的素养。本专业博士点重视设计学与科学、技术、艺术、人文、商业与管理之间的整合，以设计思维训练为核心，培养研究型、复合型设计驱动创新人才。

Student who receive this degree should be able to systematically grasp the solid and broad basic theoretical knowledge of this subject, have a deep understanding of the progress, trends and latest development frontiers of the design discipline; have the ability to independently engage in scientific research and design innovation, and obtain creative research results in theory or practice; be proficient in reading related foreign materials, have academic writing abilities and be able to conduct international academic exchanges; be competent in teaching, tutoring, carrying out scientific research, product development or design management in colleges and universities; as well as possess comprehensive qualities of high-end talent in design. The program attaches great importance to the integration of design and science, technology, art, humanities, business and management. With design thinking training as the core, it cultivates research-oriented and compound design-driven innovative talents.

四、培养方式及学习年限 Training Mode and Study Duration

本项目采用全日制学习、导师制培养模式。普通博士生（含硕博连读生取得博士生学籍后）的基本学习年限为 4 年；直博生的基本学习年限为 5 年.非定向的普通博士生最长学习年限（含休学）不超过 6 年,直博生、定向的普通博士生、非全日制博士生最长学习年限（含休学）不超过 7 年。

This is a full-time, tutorial-based program. The general study period for ordinary doctoral students (including master-doctor combined program students) is 4 years; the general study period for direct doctoral students is 5 years. The maximum length of study for non-oriented ordinary doctoral students (including periods of suspended study) is no more than 6 years, and the maximum length of study for direct doctoral students, oriented general doctoral students and part-time doctoral students (including periods of suspended study) is no more than 7 years.

五、课程学习要求 Course Requirement

课程类别 Course Type	学分要求 Min Credits	GPA 学分要求 Min GPA Credit	备注 Note
公共基础课 General Fundamental Courses	5		
专业基础课 Program Core Courses	4		
专业前沿课 Program Frontier Courses	0		
专业选修课 Program Elective Courses	0		

六、培养过程要求 Training Requirement

直博及硕博连读学生，总学分≥40。普通博士生，总学分≥16。硕转博学生博士阶段的课程学分不少于 10 学分。除了全部修读学校公共课、专业基础课之外,各方向(跟导师)还应修读指定的专业前沿课,其他方向的专业前沿课可以作为专业选修课修读。专业课程学习原则上要求在 1.5 年内完成。

For direct doctoral and master-doctor combined students, the total credits required are ≥40.For ordinary doctoral students, the total credits required are ≥16.For graduate students who transfer to the doctoral program, no less than 10 credits are required. In addition to all the general courses and professional core courses, students of all research areas should also take designated program frontier courses according to the recommendations of their supervisors, and program frontier courses in other areas can be taken as program elective courses.

In principle, professional courses should be completed within 1.5 years.

七、学术成果要求 Requirement on Academic Achievements

1、创新成果的要求

博士研究生满足两项创新型成果均可以申请博士学位。创新型成果认定依《设计学院博士学位授予标准》。

2、学术交流要求

全日制博士生在学习期间，必须在高水平国际学术会议上至少进行一次学术交流。口头报告或海报展示都算在内。学术交流的内容应与博士论文的研究工作密切相关。

1.Requirements for publishing academic papers

Before applying for dissertation defense, at least two innovative achievements should be obtained. Innovative achievements must adhere to the standards for doctoral degrees of the School of Design.

2. Requirements for academic conference attendance

Full-time doctoral students must take part in at least one academic exchange at a high-level international academic conference during their study period. Oral reports or poster presentations both count. The content of academic exchanges should be closely related to the research work of the doctoral dissertation.

八、学位论文 Thesis/dissertation work

1. 规范性要求：学位论文应满足《上海交通大学研究生学术规范》（沪交研〔2019〕87 号）要求。博士学位论文的选题应具有科学性、学术性、创新性、先进性和可行性。博士学位论文能够表明作者具有独立从事科学研究工作的能力，反映作者在本门学科上掌握了坚实宽广的基础理论和系统深入的专业知识。

2. 质量要求：论文撰写格式按照学校的有关规定执行。论文要求概念清晰、材料丰富、逻辑周严、分析深刻、观点创新。论文要包含相关研究课题的设计内容或艺术创作实践内

容，并达到较高的学术要求。为保证学位授予质量，学位论文需经抽检，抽检办法符合《上海交通大学学位论文抽检暂行规定》（沪交研〔2019〕86 号）。

Normative requirements: The dissertation should meet the requirements of "Shanghai Jiao Tong University Graduate Academic Standards" (Shanghai Jiao Tong Graduate School [2019] No. 87). The topic of a doctoral dissertation should be scientific, academic, innovative, advanced and feasible. The dissertation can prove that the author has the ability to independently engage in scientific research work, reflecting that the author has mastered a solid and broad basic theory and systematic in-depth professional knowledge in this subject. Quality requirements: The format of the dissertation writing shall be implemented in accordance with the relevant regulations of the university. The dissertation requires clear concepts, rich materials, strict logic, profound analysis, and innovative ideas. It should include the design content or artistic creation practice content of relevant research topics, and meet high academic requirements. In order to guarantee the quality of degree awards, the dissertation is subject to random inspection, and the method of random inspection complies with the "Interim Provisions on the Sampling Inspection of Degree Dissertation of Shanghai Jiao Tong University" (Shanghai Jiao Tong Graduate School [2019] No. 86).

九、课程设置 Courses

课程类别 Category	课程代码 Course Code	课程名称 Course Name		学分 Credit	授课语言 Language	开课学期 Semester	是否必修 Compusory	可以计算GPA	必须计算GPA	备注 Note	多选组 Course Group
		中文 Chinese	English 英文								
公共基础课 General Fundamental Courses	CHN6207	汉语	Chinese	4	中文	秋季	是	否	否	留学生必选	最少3门、最低5分
	CHN0916	中国文化概论	Introduction to Chinese Culture	2	中英并行开班	春秋季	是	是	是	留学生必选	最少3门、最低5分
	FL6001	学术英语	English for Academic Purposes	2	英文	春秋季	是	否	否		最少3门、最低5分
	GE6001	学术写作、规范与伦理	Scientific Writing, Integrity and Ethics	1	中文	春秋季	是	否	否		最少3门、最低5分
	MARX7001	中国马克思主义与当代	Marxism in China	2	中文	春秋季	是	是	是	中国籍学生必选	最少3门、最低5分
专业基础课 Program Core Courses	DES6101	设计历史与理论	Design History and Theory	2	中文	秋季	否	否	否		
	DES6401	用户体验与服务价值	Value of Experience and Service Design	2	中文	秋季	否	否	否		
	DES6103	设计理论与方法	Design Theory and Methodology	2	中文	春季	否	否	否		

	DES7002	创新设计导论	Introduction to Innovation Design	2	中文	春季	否	否	否		
专业前沿课 Program Frontier Courses	DES8004	文脉与设计体用	Context and Design Culture	2	中文	秋季	否	否	否		
	DES8025	设计心理学	Design Psychology	2	中文	秋季	否	否	否		
	DES8302	环境创新设计研究	Environmental Innovative Design	2	中文	秋季	否	否	否		
	DES9104	设计计算	Computational Design and Generative Art	4	中文	秋季	否	否	否		
	LA8008	风景园林专题讲座	Lecture of Landscape Architecture	3	中文	秋季	否	否	否		
	LA8302	高级植物生理学	Advanced Plant Physiology	3	中文	秋季	否	否	否		
	LA9402	城市生态学—城市的科学	Urban Ecology: Science of Cities	3	中文	秋季	否	否	否		
	DES6001	设计文化研究	Design Culture	2	中文	春季	否	否	否		
	DES6102	设计调研	User Research	2	中文	春季	否	否	否		
	DES9004	设计管理与策略	Design Management and Strategy	3	中文	春季	否	否	否		
	DES9102	智能设计	Design for Intelligence	2	中文	春季	否	否	否		
	DES9201	交互设计原理和方法	Principles and Processes of Interaction Design	2	中文	春季	否	否	否		
	DES9202	设计信息学	Design Informatics	2	中文	春季	否	否	否		
	GE6011	学术报告会	Academic Lectures	1	中英并行开班	春秋季	是	否	否		
专业选修课 Program Elective Courses	MATH7001	网络科学	Network Sciences	1	中文	秋季	否	否	否		
	STAT7001	深度学习	Deep Learning	1	中文	秋季	否	否	否		
	STAT7002	统计学	Statistics	1	中文	秋季	否	否	否		
	BUSS6406	管理经济学	Management Economics	2	中文	春秋季	否	否	否		