

Data Sheet of International Undergraduate's Courses , Tongji CAUP

同济大学建筑与城市规划学院本科生国际课程(英语)登记表

Course Code 课程编号	02016801	Department 所在系()	A	P	L	D	院登记号 CAUP Code	
Instructor(Title) 主讲教师(职称)	ZHANG Xuewei 张雪伟 讲师	Other Teachers 合作教师						
课程中文名	纸居艺术设计							
Course Name (E)	Art and Design of Paper Construction							
Form of Teaching 教学形式 ()	Lectures 讲课	Design Studio 设计课	Seminar 研讨课		Internship 实践课		Others 其他	
Total Hours 总学时数	51	Hours per Week 周课时	3		Weeks 教学周数		17	
Semester 春季或秋季学期	Spring 春季	Tongji Credits 同济 学分数	2					

Brief Course Description 课程简述 (中英文)

This course is a course combining principles and designs with practice. The students will learn the basic theory about art modeling first , then they will design and make some works made of corrugated cardboard, including lamps, furniture and so on. Through the course students will improve their sense about art and Master the higher levels of design knowledge and production methods. after the end of this course students will be able to design and make their own works, and they will apply art ideas to their professional study and everyday life.

这门课程是原理、设计与实践相结合的课程。学生在学习艺术造型的基本理论后，运用成本低廉的瓦楞纸板进行艺术设计并制作，提高学生对艺术的感知力，并获得更深层次的设计知识和制作方法。在课程结束后能够自行进行设计与制作，并且将艺术的思维观念带到其自身的专业学习和生活中。

Brief Schedule and Topics 课程进度简表 (中英文)

The first phase: art modelling foundation (4 weeks)

(1) Advice topic: design principle, drawing express training, form design, material experiment and research.

(2) Teaching objective: to know the design theory and design method, to study design expression techniques, and to be familiar with material properties

(3)Teaching key: a brief history of modern furniture , shaft mapping, two-dimensional composition, three-dimensional construction, material experiment

(4) Teaching hours: 8 hours

第 1 阶段：艺术造型基础(4 周)

(1) 建议题目：设计原理、绘图表达训练、形态设计基础、材料实验研究

(2) 教学目的：了解设计理论与设计方法、学习设计表达技法、熟悉材料性能

(3) 教学关键点：现代家具简史、轴测图、平面构成、立体构成、材料实验

(4) 教学时数：8 学时

2, The second phase: Introductory design and production (light and form) (2 weeks)

(1) Advice topic: design and production of lamps

(2) Teaching objective: to study space modelling under limited condition.

(3) Teaching key: the relationship of light and space

(4) Teaching hours: 4 hours

第 2 阶段：入门设计与制作（光与形态）（2 周）

(1) 建议题目：灯具设计制作

(2) 教学目的：学习限定形态条件下的空间塑造

(3) 教学关键点：光与空间的关系

(4) 教学时数：4 学时

The third phase: preliminary design and production (dimension and form) (3 weeks)

(1) Advice topic: design and production of stationery

(2) Teaching objective: to study the form modelling of small scale space with functions.

(3) Teaching key: functions, space, form

(4) Teaching hours: 6 hours

第 3 阶段：初步设计与制作（容积与形态）（3 周）

(1) 建议题目：文具设计制作

(2) 教学目的：学习具有使用功能的小尺度空间的形态塑造

(3) 教学关键点：使用功能、空间、形态

(4) 教学时数：6 学时

The fourth stages: design and production of paper chair(dimension of human figures-3 weeks)

(1) Advice topic: design and production of paper chair

(2) Teaching objective: to study the functions and form modelling adapting to dimension of human figures

(3) Teaching key: human body measure, bearing capacity requirements, connection mode, node structure

(4) Teaching hours: 6 hours

第 4 阶段：纸椅设计与制作(人体尺度-3 周)

(1) 建议题目：纸椅设计制作

(2) 教学目的：掌握与人体尺度相适应的使用功能、形态塑造

(3) 教学关键点：人体尺度、承荷要求、连接方式、构造节点

(4) 教学时数：6 学时

The fifth stage: creative design and production of small furniture (3 weeks)

(1) Advice topic: the design and production of small furniture

(2) Teaching Objectives: to study the form modelling of mesoscale space with functions.

(3)Teaching key: functions, space, form

(4)Teaching hours: 6 hours

第 5 阶段：创意设计制作(自用生活小家具-3 周)

(1) 建议题目：生活小家具设计制作

(2) 教学目的：掌握具有使用功能的中尺度空间与形态塑造

(3) 教学关键点：使用功能、空间、形态

(4) 教学时数：6 学时

The sixth stage: summary (1 week)

(1) Advice topic: collection and public exhibition of personal works

(2) Teaching Objectives: summarize and expression

(3) Teaching key: photography, Layout design, exhibition Decorating

(4) Teaching hours: 2 hours

6、第 6 阶段：总结(1 周)

(1) 建议题目：个人纸居作品汇编及公共展览

(2) 教学目的：总结与表达

(3) 教学关键点：摄影、版面设计、实物作品布展

(4) 教学时数：2 学时

Course Syllabus 课程大纲 (中英文)

COURSE DESCRIPTION

This course aims to combine principles and methods of design with practice, and aims to cultivate students' spatial thinking ability; to improve the engineering students' sense about art; to strengthen students' practical ability, and to promot environmental awareness and plain concept of life.

课程介绍

这门课程是原理、设计与实践相结合的课程。课程的设置旨在培养学生的空间思维能力；培养工科学生的艺术感知力；强化学生的动手能力，推广环保意识和质朴生活理念。

REQUIREMENTS

Students taking this course are required to attend the course on time and to design and make. At the end of the semester, each student is required to make a PPT and to make a presentation at the course.

课程要求

选修该课的学生需按时参加课程，同时进行设计与制作。在学期末，每位学生需制作 PPT 并进行讲演。

Main Reference Books 主要参考书目

1.莫天伟 主编：《建筑设计基础》，江苏科学技术出版社，2004

2.金剑平 编著：《立体形态构成》，安徽美术出版社，2005

3.徐时程 编著：《立体构成》，清华大学出版社，2007