

2010224 城市交通学（英文版）

课程编号： 2010224
课程名称： 城市交通学（英文版）
英文名称： Urban mobility and transportation
任课教师： 卓健 Jian ZHUO

开课单位：	城市规划系 Department of urban planning	开课学期：	春季学期 Spring semester
课内学时：	32 学时 32 hours	教学方式：	讲授+讨论 lecture & seminar
适用专业：	城乡规划、建筑学、风景园林、交 通规划	考核方式：	考查

预修课程：

一、教学目标与要求 Objectives and requirements

持续推进的城市化和不断增长的机动性已经成为当代社会演变发展的全球性趋势。两者之间存在的关联性与相互作用引起了城市研究的普遍关注，对城市交通规划的内涵、目标与范式等从认识上逐步凝练产生了新的理念。其中一个基本共识是：城市交通不是基于交通工程的单纯技术问题，为了更有效地解决城市交通问题，应当同时考虑城市空间中所有能够影响机动性需求的因素。基于这一共识，本课程结合我国城市交通与规划的存在问题及面临挑战，传授观察剖析城市交通问题的新视角、新方法，阐述中外相关前沿研究提出的新理念、新课题，推介中外城市在城市交通规划建设的创新经验和成功案例。

本课程获评“上海高校外国留学生英语授课示范性课程”，适合于具有城市规划专业背景的城乡规划、建筑学、景观建筑学和交通规划专业研究生选修。通过本课程使学生掌握城市交通学的基本概念和理论，认识城市交通系统的组成及其相互关系，在此基础上进一步了解城市交通与用地规划之间的相互作用，学习并了解国内外的最新相关科研动态和实践经验。

本课程的基本要求有 3 个方面：

（1）基于“以人为本”的机动性视角，重新认识非机动车交通、小汽车交通和公共交通在系统规划设计、组织管理以及公共政策等方面的基本原理和理论知识；

（2）从城市空间规划和经营管理角度，全面、综合地认识城市交通问题，并掌握相关的研究方法；

（3）从政策型规划的角度，掌握城市交通规划所涉及的主要内容、规划原理以及工作方法。

The fast growth of mobility and the sustained urbanization become two major trends characterizing the global transformations of contemporary society. The correlations and the interactions between these two trends have raised the interest of urban studies. The urban transportation is no longer regarded as a technical issue concerning only the traffic engineering. To deal with the transportation problems in a

more efficient way, all the elements of urban space which could affect the demand of mobility should be taken into consideration. Based on this theoretical principal, this course, in light of the existing problems and challenges in urban transportation and planning in China, imparts new perspectives and methods for observing and analyzing urban transportation issues, expounds on the new concepts and research topics proposed by cutting-edge studies, and introduces innovative experiences and successful cases of urban transportation planning from both China and abroad.

This course has been awarded the title of "Demonstration Course for Teaching English to Foreign Students in Shanghai Universities". It is suitable for graduate students majoring in urban planning, architecture, landscape architecture, and transportation planning. Through this course, students will master the basic concepts and theories of urban transportation, understand the interrelationships among different urban transportation systems, and on this basis, further comprehend the interaction between urban mobility and land use patterns, and learn about the latest research trends and practical experiences.

The basic requirements of this course are threefold:

(1) Re-examine the basic principles and theoretical knowledge of non-motorized transportation, automobile, and public transit in terms of system planning and design, organization and management, and public policy from a "people-oriented" mobility perspective.

(2) Comprehensively and integrally understand urban transportation issues from the perspectives of urban space planning, and master relevant research methods.

(3) Master the main contents, planning principles, and working methods involved in urban transportation policy.

二、课程内容与学时分配 Course Content and Time Allocation

本课程为建筑与城市规划学院平台的全英文专业基础课。本课程的主要授课对象为我校建筑学、城乡规划、景观建筑、交通规划等专业招收的双学位硕士研究生中的外国留学生。本课程为2学分，教学周数为16周，总学时数为32学时，教学内容及相应的学时分配见下表：

This course is an entirely English-language basic professional course offered by the platform of the College of Architecture and Urban Planning. The main target audience for this course are foreign students enrolled in dual-degree master's programs in architecture, urban planning, landscape architecture, and transportation planning at Tongji University. This course corresponds to 2 credits, with a teaching period of 16 weeks and a total of 32 class hours. The teaching content and the time allocation are shown in the table below:

时间	内容	学时
第1周 Week 1	绪言：课程内容和组织方式 Introduction	2
第2周 Week 2	上海城市发展和交通建设历史回顾 L1- The urban development of Shanghai	2
第3周 Week 3	中国城市规划体系概述 L2-Urban Planning System in China (part-1)	2
第4周 Week 4	城市交通方式和城市空间：非机动车交通 L3 - Mode of Transport A: Non-motorized modes	2
第5周 Week 5	客座教授讲座：非机动车交通相关研究与方法（朱玮） Invited Lecture	2
第6周	学生汇报+课程讨论 A	2

Week 6	<i>Students' presentation A</i>	
第 7 周 Week 7	城市交通方式和城市空间：公共交通 L4 - Mode of Transport B	2
第 8 周 Week 8	客座教授讲座：公交导向城市开发（TOD）的理论与实践 Invited Lecture	2
第 9 周 Week 9	学生汇报+课程讨论 B <i>Students' presentation B</i>	2
第 10 周 Week 10	城市交通方式和城市空间：小汽车交通 L5 - Mode of Transport C	2
第 11 周 Week 11	客座教授讲座：小汽车交通管制的国际经验（刁弥） Invited Lecture	2
第 12 周 Week 12	学生汇报+课程讨论 C <i>Students' presentation C</i>	2
第 13 周 Week 13	上海 2035 总规和城市交通发展 L6 -Shanghai 2035	2
第 14 周 Week 14	课程总结：城市机动性规划战略 Conclusion	2
第 15 周 Week 15	课程论文选题汇报 Paper Work	2
第 16 周 Week 16	考查 Examination	2

三、实践性环节 Site Investigation

为加强外国留学生对中国城市交通问题的深入认识了解，结合授课内容，并根据每年具体选课人数，组织安排 3 次学生的专题分组调研。调研小组形成调研报告，并在讨论课进行汇报交流。

To enhance foreign students' in-depth understanding of China's urban transportation issues, in combination with the teaching content and based on the specific number of students enrolled each year, 3 group-based special investigations will be organized for students. The investigation will be arranged on team-work basis and each team needs to prepare reports and to present their findings in the discussion classes.

主要参考书 References

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参考期刊

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