**2020级城市管理（实验班）专业本科培养方案**

**一、专业基本信息**

|  |  |
| --- | --- |
| 英文名称 | urban management （pilot class） |
| 专业代码 | 120405 | 学科门类 | 管理学 |
| 学制 | 4年 | 授予学位 | 管理学学士 |

**二、培养目标及特色**

培养德、智、体、美全面发展，具备城市管理、城市规划和城市建设技术与知识，能够在城市设施建设与管理、城市公共资源交易与招投标管理等相关领域的城市公共管理部门、企事业单位、城市服务机构从事城市设施运营、城市公共资源管理等工作的复合创新型卓越人才。

本专业依托学校土木建筑学科优势，以公共管理、城市规划、土木工程为依托，培养适应我国新型城镇化、京津冀协同发展及北京功能定位需要的城市基础设施运营者和城市公共服务提供者。

**三、主干学科**

公共管理、城乡规划

**四、主干课程**

1．主干基础课程

政治学、管理学、经济学、行政法、公共管理学、公共经济学、地理信息系统（GIS）应用、城市管理学、城市经济学、城市社会学

2．主干专业课程

城市数字化管理、城市管理法规、社会科学研究方法、城市规划管理、公共项目评估、公共设施管理、市政工程建设与管理、城市交通管理、城市土地开发与管理、招投标法律与合同管理

**五、主要实践教学环节**

城市管理学课程设计、城市管理综合执法实践、城市规划管理课程设计、公共项目评估课程设计、数据分析技巧与应用实践、城市数字化管理课程设计、招投标采购模拟、城市管理与运营实践

**六、毕业学分要求**

参照北京建筑大学本科学生学业修读管理规定及学士学位授予细则，修满本专业最低计划学分应达到172学分，其中理论课程138.5学分，实践教学环节33.5学分。

**七、各类课程结构比例**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **课程类别** | **课程属性** | **学分** | **学时** | **学分比例** |
| 通识教育课 | 必修 | 41.5 | 672 | 24.13% |
| 选修 | 2 | 32 | 1.16% |
| 大类基础课 | 必修 | 30.5 | 504 | 17.73% |
| 选修 | 8 | 128 | 4.65% |
| 专业核心课 | 必修 | 18 | 288 | 10.47% |
| 专业方向课 | 必修 | 25 | 400 | 14.53% |
| 选修 | 13.5 | 216 | 7.85% |
| 独立实践环节 | 必修 | 33.5 | 750 | 19.48% |
| 总计 | 172 | 2990 | 100% |

**八、教学进程表**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 学期 | 教学周 | 考试 | 实践 | 学期 | 教学周 | 考试 | 实践 |
| 1 | 4-19周 | 20周 | 1-3周 | 2 | 1-16周 | 17-18周 | 19-20周 |
| 3 | 1-16周 | 17-18周 | 19-20周 | 4 | 1-16周 | 17周 | 18-20周 |
| 5 | 1-16周 | 17-18周 | 19-20周 | 6 | 1-16周 | 17周 | 18-20周 |
| 7 | 1-8周 | —— | 9-20周 | 8 | 1-16毕业实习、设计 17周答辩 |

**九、毕业生应具备的知识能力及实现矩阵**

|  |  |  |
| --- | --- | --- |
| 毕业生应具备的知识能力 | 相关知识领域 | 实现途径（课程支撑） |
| 掌握管理学、经济学等学科的基础理论和基本知识 | 经济学、管理学、城市学、建设学相关的基本理论 | 政治学、经济学、管理学、城市管理学、公共经济学 |
| 掌握城市规划、建设、管理方面的基本技术和分析方法 | 城市文化、城市交通、城市建设、市政工程管理、城市规划管理等领域的相关知识 | 城市文化学、城市发展史、城市土地开发与利用、城市建设管理、城市交通管理、市政工程建设与管理、城市规划管理 |
| 具有城市公用事业管理的基本能力 | 掌握公共事业管理相关领域的知识 | 公共管理学、公共政策学、公共项目评估、城市战略管理、城市公共设施管理 |
| 掌握国家有关城市管理方面的基本政策法规和执行管理实务 | 熟悉城市综合管理中的法律知识 | 行政法、城市管理法规、招投标与合同管理、公共资源交易管理 |
| 掌握城市管理的定性、定量分析方法以及现代技术手段在城市管理和规划中的应用，具有城市信息化系统管理的能力 | 城市信息化管理相关领域的知识 | 工程制图与识图、城市经济学、管理运筹学、地理信息系统、城市数字化管理、城市数字化管理课程实践 |
| 了解国内外城市管理的发展动态和发展趋势，能够胜任城市管理部门、市政设施经营机构以及城市社区的综合管理方面的工作 | 城市管理、市政设施经营机构以及城市社区的综合管理能力和知识 | 项目投资与融资、工程项目管理、社区管理、物业管理、城市环境管理 |
| 能够掌握文献检索、资料查询的基本方法，具有较强的社会调查和语言表达与写作能力 | 掌握科技文献检索、社会调查、应用文写作相关的知识 | 科技文献检索、社会调查研究方法、公务员应用文写作、应用统计学 |
| 掌握一门外国语，能够较为熟练地进行听、说、读、写，能够较熟练地阅读外文专业文献；掌握计算机应用技术，具有较强的办公自动化处理技能 | 掌握英语、计算机相关的知识 | 大学英语、计算思维导论、数据库技术与应用 |

**十、指导性教学计划**（见附表）

**十一、主要课程逻辑关系结构图**



**2020 Undergraduate Program for Major in urban management pilot class**

**I. SpecialtyNameand Code**

|  |  |
| --- | --- |
| Name | urban management pilot class  |
| Code | 120405 | Discipline | Management |
| Length of Schooling | Four years | Degree | Bachelor of Management |

**II.Educational Objectives and Features**

To adapt to growing demands for talents and young professionals under the development strategies of the New-type Urbanization and the Synchronized Development of Beijing-Tianjin-Hebei Region, this program is to teach and foster qualified graduates for highly demanding and innovative tasks in public affair management, law enforcement, public facility operation, public project evaluation and urban management in such related sectors as urban public policy, public infrastructure management, public service. Undergraduates in this program are expected to acquire an all-around development in morality, intelligence, physique and aesthetic, have a sound grasp of knowledge and practical skills in urban management, urban planning and urban development..

**III.Major Disciplines**

Public Administration, Urban and Rural Planning

IV.**Major Courses**

1. Basic Courses

Politics，Principles of Management，Principles of Economics，Public Policy，Administrative Laws，GIS Application, Urban Management, Urban Economics, Urban Sociology, Public Economics

2．Specialty Courses

Digital City Management, Laws and Regulations of Urban Management, Research Methodology for Social Study, Urban Design Planning, Public Project Evaluation, Public Infrastructure Management, Introduction to Municipal Engineering，Urban Traffic Management，Urban Land Development and Management，Bidding and contract Management

**V. Major Practical Training**

Course Exercise of Urban Management, Experiment on Comprehensive Urban Information Management System, Course Exercise of Urban Planning Management, Course Exercise of Public Project Evaluation, Data Analysis Skills and Application Practice, Course Exercise of Digital City Management, Urban Management and Operation Practice.

**VI.Graduation Requirements**

In accordance with "Management Regulations for the Undergraduate Students of Beijing University of Civil Engineering and Architecture" and "Bachelor's Degree Awarding Regulations", the minimum credits required by specialty for graduate is 172, including 138.5 credits of theoretical courses and 33.5 credits of practice teaching.

**VII．Proportion of Course**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  **Course** [**Category**](http://www.baidu.com/link?url=T-sTAae63xKETLJd_N7nNsFUo4ds7VX1E0PW1OwBIazAjp1vVAUKLUIUFYxDzfyxsSDXgWReQf8aH7q_CabOr9251wtvAH6OwY8dszrOr2u) |  **Course Type** | **Credits** |  **Class Hour** |  **Proportion** |
| General Education  | Compulsory | 41.5 | 672 | 24.13% |
| Optional | 2 | 32 | 1.16% |
| Big Academic Subjects  | Compulsory | 30.5 | 504 | 17.73% |
| Optional | 8 | 128 | 4.65% |
| Professional Core  | Compulsory | 18 | 288 | 10.47% |
| Professional Direction | Compulsory | 25 | 400 | 14.53% |
| Optional | 13.5 | 216 | 7.85% |
| Practice | Compulsory | 33.5 | 750 | 19.48% |
| Total | 172 | 2990 | 100% |

**VIII．Table of Teaching Program**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Semester | Teaching | Exam | Practice | Semester | Teaching | Exam | Practice |
| 1 | 4-19 | 20 | 1-3 | 2 | 1-16 | 17-18 | 19-20 |
| 3 | 1-16 | 17-18 | 19-20 | 4 | 1-16 | 17 | 18-20 |
| 5 | 1-16 | 17-18 | 19-20 | 6 | 1-16 | 17 | 18-20 |
| 7 | 1-8 | —— | 9-20 | 8 | 1-16Graduation design (thesis) 17 Oral defense for Graduation |

**IX．Table of Teaching Arrangement**

**X．Graduate Abilities and Matrices**

|  |  |  |
| --- | --- | --- |
| **Graduate Abilities** | **Related Knowledge** | **Course Supports** |
| Master basic theory and knowledge of management, economics and other disciplines. | Basic theories of economics, management science, urban science, and construction | Political Science, Economics, Management, Public Economics，Urban Management |
| Master basic technical and analytical methods of urban planning, construction and management | Related knowledge of urban culture, urban transportation, urban construction, municipal engineering management, urban planning and design | Urban culture, Urban Development History, Urban Land Development and Utilization, Urban Construction Management, Urban Traffic Management, Municipal Engineering Construction and Management, Urban Planning and Design |
| Acquire the basic ability of urban public utility management. | Related knowledge of public utility management  | Public Administration, Public policy, Public Project Evaluation, Curriculum Design of Public Project Evaluation, Urban Public Facilities Management |
| Get acquainted with basic policies, regulations, management practice relating to urban management.  | Be familiar with the legal knowledge of urban integrated management | Administrative Law, Urban Management Regulations, Bidding and contract Management |
| Master qualitative and quantitative analysis methods of urban management and the application of modern technology in urban management and planning; be capable of managing the urban information system. | Knowledge in the field of urban information management | Graphing and Drawing of Engineering, Urban Economics, Management Operations Research, Geographic Information System, Urban Digital Management, Course Exercise of Digital City Management |
| Be informed of development trends of urban management both at home and abroad; be competent for the work of urban management department, municipal facilities management agency and urban community. | Comprehensive management ability and knowledge of urban districts, operational agency of municipal facilities and urban community | Project Investment and Financing, Project Management, Operation Management, Community Management, Property Management，Urban Environmental Management |
| Master basic methods of document retrieval and data query; improve the ability of social survey and language expression, develop writing skills. | Master relevant knowledge of science and technology literature search, social survey and applied writing | Science and Technology Literature Search, Social Survey Research Method, Economic Practical Writing |
| Master a foreign language, get proficient in listening, speaking, reading and writing, be able to read foreign language professional documents; master computer application technology, develop office automation processing skills. | Master related knowledge of English and computer. | College English, Introduction to Computational Thinking, Database Technology and Application |

XI. Logical relational structure of main courses



表1 城市管理（实验班）专业指导性教学计划

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **课****程****类****别** | **课****程****属****性** | **课程名称** | **学****分** | **总****学****时** | **讲****课****学****时** | **实****验****学****时** | **上****机****学****时** | **课****外****学****时** | **延****续****教****学** | **开课****学期** | **教学单位** |
| 通识教育课 | 必修 | 思想道德修养与法律基础Thought Morals Accomplishment and Basic Law | 3 | 48 | 48 |  |  |  |  | 1 | 马克思主义学院 |
| 中国近现代史纲要The Outline of the Modern Chinese History | 3 | 48 | 32 |  |  | 16 |  | 2 | 马克思主义学院 |
| 马克思主义基本原理概论★The Generality of Basic Principle of Marxism | 3 | 48 | 48 |  |  |  |  | 3 | 马克思主义学院 |
| 毛泽东思想和中国特色社会主义体系理论概论★Introduction to Mao Zedong Thoughts and Theoretical System of the Chinese Characteristic Socialism | 5 | 80 | 64 |  |  | 16 |  | 4 | 马克思主义学院 |
| 形势与政策（1-4）Situation and Policy(1-4) | 2 | 32 | 16 |  |  | 16 |  | 1-4 | 马克思主义学院 |
| 大学生职业生涯与发展规划College Student Occupation Career and Development Planning | 1 | 16 | 16 |  |  |  |  | 1 | 学工部 |
| 大学生心理健康The mental health of College Students | 1 | 16 | 16 |  |  |  |  | 1 | 学工部 |
| 大学英语(1-2) ★College English(1-2) | 6 | 128 | 96 |  |  |  | 32 | 1-2 | 人文学院 |
| 大学英语拓展系列课程（1-4）College English training（1-4） | 2 | 32 | 32 |  |  |  |  | 3 | 人文学院 |
| 大学英语拓展系列课程（5-8）College English training（5-8） | 2 | 32 | 32 |  |  |  |  | 4 | 人文学院 |
| 体育(1-4) Physical Education(1-4) | 4 | 120 | 120 |  |  |  |  | 1-4 | 体育部 |
| 计算思维导论Introduction to Computational Thinking | 1.5 | 56 | 24 |  |  | 32 |  | 1 | 电信学院 |
| 小计 | 33.5 | 656 | 544 |  |  | 80 | 32 |  |  |
| 核心 | 建筑艺术与城市设计 | 2 | 32 |  |  |  |  |  | 1-8 | 各院部 |
| 哲学视野与人文素养 | 2 | 32 |  |  |  |  |  | 1-8 | 各院部 |
| 创新创业与社会发展 | 2 | 32 |  |  |  |  |  | 1-8 | 各院部 |
| 生态文明与智慧科技 | 2 | 32 |  |  |  |  |  | 1-8 | 各院部 |
| 至少修读4类合计8学分，每类至少修读2学分 |
| 工程实践类 | 1-8学期任选 | 各院部 |
| 复合培养类 | 1-8学期任选 | 各院部 |
| 跨类任选至少2学分 |
| 通识教育课合计至少修读43.5学分，其中通识教育必修33.5学分，通识教育核心8学分，通识教育任选2学分 |
| **课****程****类****别** | **课****程****属****性** | **课程名称** | **学****分** | **总****学****时** | **讲****课****学****时** | **实****验****学****时** | **上****机****学****时** | **课****外****学****时** | **延****续****教****学** | **开课****学期** | **教学单位** |
| 大类基础课 | 必修 | 高等数学A(1)★Advanced Mathematics A(1) | 5 | 92 | 80 |  |  |  | 12 | 1 | 理学院 |
| 高等数学A(2)★Advanced Mathematics A(2) | 5 | 84 | 80 |  |  |  | 4 | 2 | 理学院 |
| 线性代数Linear Algebra | 2 | 32 | 32 |  |  |  | 8 | 1 | 理学院 |
| 概率论Theory of Probability  | 2 | 32 | 32 |  |  |  |  | 3 | 理学院 |
| 政治学Politics★ | 2 | 32 | 32 |  |  |  |  | 1 | 公共管理系 |
| 管理学Principle of Management★ | 3 | 48 | 48 |  |  |  |  | 2 | 工商管理系 |
| 数据库技术与应用Database Technology and its Application | 2 | 32 | 32 |  |  | 16 |  | 2 | 电信学院 |
| 地理信息系统(GIS)应用★GIS Application | 2 | 32 | 32 |  |  |  |  | 3 | 测绘学院 |
| 微观经济学Microeconomics★ | 2 | 32 | 32 |  |  |  |  | 3 | 工商管理系 |
| 宏观经济学 Macroeconomics   | 1.5 | 24 | 24 |  |  |  |  | 4 | 工商管理系 |
| 公共管理学Public Management★ | 2 | 32 | 32 |  |  |  |  | 3 | 公共管理系 |
| 管理运筹学Managerial Operations Research★ | 2 | 32 | 32 |  |  | 16 |  | 5 | 公共管理系 |
| 小计 | 30.5 | 504 | 488 |  |  | 32 | 24 |  |  |
| 选修 | 工程制图与识图Engineering drawing | 2 | 32 | 32 |  |  |  |  | 2 | 理学院 |
| 行政法Administrative law | 1.5 | 24 | 24 |  |  |  |  | 3 | 法律系 |
| 公共政策学Public Policy | 2 | 32 | 32 |  |  |  |  | 4 | 公共管理系 |
| 管理心理学Management Psychology | 1.5 | 24 | 24 |  |  |  |  | 2 | 工商管理系 |
| 建设工程概论Introduction to Construction Engineering  | 2 | 32 | 32 |  |  |  |  | 2 | 工程管理系 |
| 科技文献检索Science and Technology Information Retrieval | 1 | 16 | 16 |  |  | 16 |  | 4 | 图书馆 |
| 小计 | 10 | 160 | 160 |  |  | 16 |  |  |  |
| 大类基础课合计 38.5 学分，必修 30.5学分，任选8 学分 |
| 专业核心课 | 必修 | 城市管理学Modern Urban Management★ | 3 | 48 | 48 |  |  |  |  | 3 | 公共管理系 |
| 城市管理法规 Urban management  regulations★ | 3 | 48 | 48 |  |  |  |  | 4 | 公共管理系 |
| 城市经济学Urban Economics★ | 3 | 48 | 48 |  |  |  |  | 4 | 公共管理系 |
| 城市社会学 Urban Sociology★ | 3 | 48 | 48 |  |  |  |  | 5 | 公共管理系 |
| 城市土地开发与管理Urban land development and management | 3 | 48 | 48 |  |  |  |  | 4 | 公共管理系 |
| 城市数字化管理Digital city management★ | 3 | 48 | 48 |  |  |  |  | 6 | 公共管理系 |
| 专业核心课合计必修 18 学分 |
| 专业方向课 | 必修 | 城市管理专业导论Introduction of City Management | 1 | 16 | 16 |  |  |  |  | 1 | 公共管理系 |
| 社会调查研究方法Social science research methods | 2 | 32 | 32 |  |  |  |  | 4 | 公共管理系 |
| 城市规划原理Urban Design Planning | 2 | 32 | 32 |  |  |  |  | 6 | 建筑学院 |
| 公共经济学 （双语）Public Economics | 2 | 32 | 32 |  |  |  |  | 4 | 公共管理系 |
| 项目投资与融资Project Financing Management★ | 2 | 32 | 32 |  |  |  |  | 5 | 工程管理系 |
| 公共项目评估Public project evaluation★ | 2 | 32 | 32 |  |  |  |  | 5 | 公共管理系 |
| 市政工程建设与管理Introduction to municipal engineering | 2 | 32 | 32 |  |  |  |  | 5 | 土木学院 |
| 城市交通规划与管理Urban traffic management | 2 | 32 | 32 |  |  |  |  | 5 | 土木学院 |
| 城市公共设施管理Urban Public facility management★ | 2 | 32 | 32 |  |  |  |  | 6 | 公共管理系 |
| 工程项目管理Engineering project Management | 2 | 32 | 32 |  |  |  |  | 6 | 工程管理系 |
| 城市建设管理概论Introduction to Urban Construction★ | 2 | 32 | 32 |  |  |  |  | 6 | 工程管理系 |
| 城市危机管理Urban crisis management | 2 | 32 | 32 |  |  |  |  | 6 | 公共管理系 |
| 招投标与合同管理Bidding and contract Management | 2 | 32 | 32 |  |  |  |  | 5 | 工程管理系 |
| 小计 | 25 | 400 | 400 |  |  |  |  |  |  |
| 专业基础选修 | 城市发展史The City in History | 2 | 32 | 32 |  |  |  |  | 2 | 公共管理系 |
| 城市地理学The Urban Geography | 2 | 32 | 32 |  |  |  |  | 5 | 公共管理系 |
| 城市文化学Urban Culture | 2 | 32 | 32 |  |  |  |  | 5 | 工程管理系 |
| 城市战略管理 Urban strategic management | 1.5 | 24 | 24 |  |  |  |  | 5 | 公共管理系 |
| 应用统计学Applied Statistics | 2 | 32 | 32 |  |  |  |  | 6 | 经管学院 |
| 公务员应用文写作Civil Service Applied Writing | 1 | 16 | 16 |  |  |  |  | 6 | 公共管理系 |
| 选修(城市设施建设与管理) | 人力资源管理Human resource management | 2 | 32 | 32 |  |  |  |  | 3 | 工商管理系 |
| 财务管理The financial management | 2 | 32 | 32 |  |  |  |  | 4 | 工商管理系 |
| 房地产经济学Real Estate Economics | 2 | 32 | 32 |  |  |  |  | 4 | 工商管理系 |
| 社区管理Community Management | 2 | 32 | 32 |  |  |  |  | 6 | 社会工作系 |
| 物业管理 Property Management | 2 | 32 | 32 |  |  |  |  | 6 | 工商管理系 |
| 城市环境管理Urban environmental management | 2 | 32 | 32 |  |  |  |  | 7 | 环能学院 |
| 选修(城市资源交易与招投标) | 电子商务Electrical business | 2 | 32 | 32 |  |  |  |  | 3 | 工商管理系 |
| 公共资源交易管理 Transaction management of public resources | 2 | 32 | 32 |  |  |  |  | 6 | 公共管理系 |
| 招标采购管理Bidding and purchasing management | 2 | 32 | 32 |  |  |  |  | 7 | 公共管理系 |
| 创新与创业Innovation and Entrepreneurship | 2 | 32 | 32 |  |  |  |  | 6 | 公共管理系 |
| 小计 | 30.5 | 488 | 488 |  |  |  |  |  |  |
| 专业选修课合计必修 13.5 学分 |

表2 城市管理（实验班）指导性教学计划（实践环节）

| **课****程****属****性** | **课程名称** | **学****分** | **折****合****学****时** | **实****验****实****践** | **上****机** | **开课****学期** | **开设****周次** | **教学单位** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 课内 | 军事理论Military Theory | 2 | 36 |  |  | 1 | 1-3 | 武装部 |
| 军训Military Training | 2 | 112 |  |  |
| 形势政策（5-8）Situation and Policy(5-8) | 0 | 32 |  |  | 5-8 | 分散 | 马院、各学院 |
| 专业认识实习Professional practice | 2 | 40 | 40 |  | 2 | 19-20 | 公共管理系 |
| 城市管理学课程设计Course design of Urban management | 2 | 40 | 40 |  | 3 | 19-20 | 公共管理系 |
| 数据分析技巧与应用实践Data analysis skills and application practice | 2 | 20 |  | 20 | 4 | 18 | 工商管理系 |
| 城市管理综合执法实践Urban management law enforcement practice | 2 | 40 | 40 |  | 4 | 19-20 | 公共管理系 |
| 公共项目评估课程设计Course design of Public project evaluation | 1 | 20 | 20 |  | 5 | 19 | 公共管理系 |
| 招投标采购模拟Bidding procurement simulation | 1 | 20 | 20 |  | 5 | 20 | 工程管理系 |
| 城市数字化管理课程设计Course design of Digital city management | 1 | 20 |  | 20 | 6 | 18 | 公共管理系 |
| 城市规划原理课程设计Course design of Principles of urban planning | 2 | 40 | 40 |  | 6 | 19-20 | 建筑学院 |
| 城市运营与管理实践Urban operation and management | 2 | 40 |  | 40 | 7 | 9-10 | 公共管理系 |
| 城市管理专业综合实习Professional practice of Urban management | 5 | 100 | 100 |  | 7 | 11-20 | 公共管理系 |
| 毕业实习Graduation practice | 3 | 60 | 60 |  | 8 | 1-6 | 公共管理系 |
| 毕业设计（论文）Graduation design (thesis) | 4.5 | 90 | 90 |  | 8 | 7-17 | 公共管理系 |
| 小计 | 31.5 | 710 | 450 | 80 |  |  |  |
| 课外 | 创新创业实践Innovation and Entrepreneurshippractice | 2 | 40 |  |  |  | 1-8 | 工程管理系 |
| 小计 | 2 | 40 |  |  |  |  |  |
| 实践环节合计 33.5 学分，其中课内 31.5 学分，课外 2学分（创新创业实践学分认定见学校创新学分认定相关办法） |