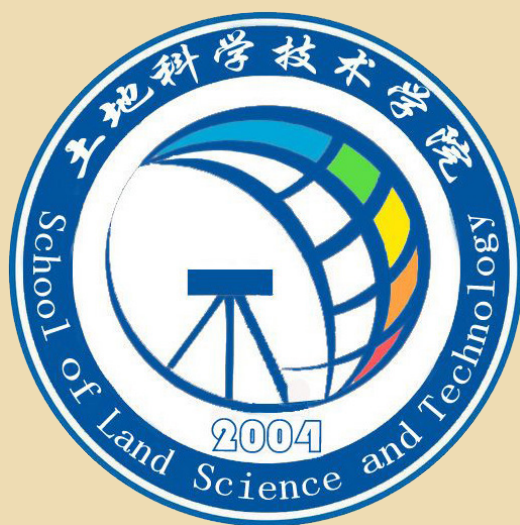


土地科学技术学院

School of Land Science and Technology



土地资源管理专业培养方案

一、专业培养目标

本专业面向国家土地资源管理和生态文明建设需求,贯彻立德树人根本任务,培养德、智、体、美、劳全面发展,适应生态文明建设背景下的土地管理需要,具备现代管理学、经济学及资源学的基本理论,掌握土地资源管理基本知识,具有“测、绘、规、估、籍、登、管”应用能力,熟悉国家土地政策和法规,满足自然资源、城乡建设、农业农村、房地产以及相关领域管理和研究需要的复合型人才。经过5年的实际工作,能够胜任自然资源调查评价、国土空间规划和生态保护修复的要求。

二、毕业要求

本专业毕业学生应树立和践行社会主义核心价值观,掌握土地资源管理方面的基础理论、基本知识和基本方法,具备人文社会科学和自然科学的基本知识,掌握土地调查、评价、规划,土地信息技术应用,地籍管理,不动产估价,不动产登记,土地管理以及开发经营的技术;掌握文献检索和分析方法,熟悉国家土地利用管理的方针、政策、法规和发展趋势,具有较强的社会调查、语言表达与写作能力,能胜任土地资源管理学科教学、科研、管理与实践等方面的工作。

三、主干学科

公共管理、测绘科学与技术。

四、学制与学位

学制四年。学生修满规定的最低毕业学分,达到毕业要求后,授予工学学士学位。

五、核心课程

管理学原理、土地法学、土地经济学、土地管理学、土地资源学、地理信息系统原理、国土空间规划、地籍管理、测量学、土地整治学等。

Undergraduate Program in Land Resource Management

1. Academic Objectives

This major is oriented to the needs of national land resource management and ecological civilization construction, and implements the fundamental task of cultivating talented people with high moral standards and the comprehensive development of morality, intelligence, sport, aesthetics, and labor, adapting to the needs of land management under the background of ecological civilization construction, and possess the basic theories of modern management, economics and resource science, and master the basic knowledge of land resource management, with inter-disciplinary talents of "land survey, mapping, planning, evaluation, cadastral survey, registration, management" application capabilities, familiar with national land policies and regulations, and meeting the management and research needs of natural resources, urban construction, agriculture, real estate and related fields. After 5 years of practical work, the graduates can meet the requirements of natural resource survey and monitoring, land and space optimization management and ecological protection and restoration.

2. Graduation Requirements

The graduates need to establish and practice the core values of socialism, and grasp fundamental theory, knowledge and methodology in land resources management, by obtaining the basic knowledge of humanities social sciences and natural science, by training the skills of land survey, evaluation, planning, land information technology, cadastral management, real estate appraisal and registration, land management, and real estate development and operation, by mastering the methods of information retrieval and analysis, and by well knowing national policies, laws, regulations and developmental trends in land use and management. The graduates will have the strong ability of social survey, language expression and writing to be fully qualified for education, scientific research, management and practice in land resources management.

3. Main disciplines

Public management. Surveying and Mapping Science and Technology.

4. Length of Schooling and Degree

The length of schooling is four years of full-time study. Students will be awarded the Bachelor Degree of Engineering when they have completed the required minimum credits and have met all other requirements.

5. Core Courses

Principles of management, Land Law, Land Economics, Land Management, Land Resources Science, Principles of Geographic Information Systems, Introduction to Territory Spatial Planning, Cadastral Management, Surveying, Land Consolidation etc.

六、最低毕业总学分要求及学分分配 (Minimum Required Credits and Distribution)

课程模块 Course module	课程类别 Course Classification	学时数 Hours	学分 Credits	学 期 Semester											
				1	2	1 夏	3	4	2 夏	5	6	3 夏	7	8	
通识教育 Liberal Education	通识教育必修课程 Required Courses of General Education	698	38	11	11	1	4	8			2	1			
	通识教育选修课程 Selective Courses of General Education	192	12												
专业教育 Professional Education	学科基础课程 Disciplinary Fundamental Courses	616	38.5	7	12.5		16	3							
	专业核心课程 Specialized Fundamental Courses	536	33.5				8	10.5		13	2				
	专业拓展课程 Specialized Development	96	6												
实践教育 Practical Education	课程实践 Course Practice	30 周 +32 学时	26		1	6		3	4	2		4		6	
	课外实践 Extracurricular practice		6												
必修课总学分 Required course credits				136											
选修课总学分 Elective course credits				24											
最低毕业总学分 Total Credits				160											

七、课程设置 (Curriculum)

1、通识教育必修课程 (Required Courses of General Education): 698 学时 (698 Hours), 38 学分 (38 Credits)

课程代码 Course Code	课程名称 Course Name	总学时 Hours	学分 Credits	讲课学时 Lecture	实验学时 Experiment	线上学时 Online	考核方式 Assessment	开课学期 Semester	备注 Notes
GR181009	思想道德与法治 Ideological Morality and Rule of Law	48	3	40	8		考试 Exam	1	
GR181008	中国近现代史纲要 Essentials of Modern Chinese History	48	3	40	8		考试 Exam	2	
GR182014	马克思主义基本原理 Fundamental Principles of Marxism	48	3	40	8		考试 Exam	3	
GR183004	毛泽东思想和中国特色社会主义理论体系概论 Introduction to Mao Zedong Thoughts and Theoretical System of the Chinese Characteristic Socialism	64	4	48	16		考试 Exam	4	
GR181012	习近平新时代中国特色社会主义思想概论 Introduction to Xi Jinping Thoughts on Socialism with Chinese Characteristics in the New Era	32	2	28	4		考试 Exam	5	
GR180005	形势与政策 Situation and Policies	32	2	32			考查 Term Paper	1-8	
GR301004	大学生职业生涯规划与就业指导 (1) Career Planning and Employment Guidance for University Students (1)	20	1	16	4		考试 Exam	2	
GR303005	大学生职业生涯规划与就业指导 (2) Career Planning and Employment Guidance for University Students (2)	18	1	12	6		考试 Exam	6	
GR301005	大学生心理素质教育 (1) Mental Health (1)	16	1	16			考查 Term Paper	1	
GR303005	大学生心理素质教育 (2) Mental Health (2)	16	1	16			考查 Term Paper	5	

课程代码 Course Code	课程名称 Course Name	总学时 Hours	学分 Credits	讲课学时 Lecture	实验学时 Experiment	线上学时 Online	考核方式 Assessment	开课学期 Semester	备注 Notes
GR302008	军事理论 Military Theory	36	1	36			考试 Exam	2 夏	
GR081071	大学英语 (1) College English(1)	64	4	64			考试 Exam	1	
GR081072	大学英语 (2) College English(2)	32	2	32			考试 Exam	2	
GR081067	大学英语素质拓展课 Competence-oriented Education for College English	32	2	32			考试 Exam	2	
GR141005	体育 (1) (系列课程) Physical Education (1)	32	1		32		考试 Exam	1	
GR141006	体育 (2) (系列课程) Physical Education(2)	32	1		32		考试 Exam	2	
GR142007	体育 (3) (系列课程) Physical Education(3)	32	1		32		考试 Exam	3	
GR142008	体育 (4) (系列课程) Physical Education(4)	32	1		32		考试 Exam	4	
GR041003	程序设计基础 A Fundamentals of Programming A	64	4	24	24	16	考试 Exam	2	
总计 Total		698	38	476	206	16			

2、通识教育选修 (Selective Courses of General Education): 192 学时 (192Hours), 12 学分 (12 Credits)

序号 No.	课程类别 Courses Classification	课程名称 Courses Name	学分 Credits	考核方式 Assessment	开课学期 Semester	备注 Notes
1	人文社科类 (含在线课程) Humanities and Social Sciences Courses (Inc. Online courses)	见附件 1	7	考查 Term Paper	2-8	4 个类别中选修 7 个学分, 其中,《大学生安全教育》(1 学分) 必选。
2	自然科学类 (含在线课程) Natural Science Courses (Inc. Online Courses)	见附件 2		考查 Term Paper	2-8	
3	自然文化类 Natural Culture Courses	见附件 3		考查 Term Paper	2-8	
4	体育与健康类 Sports and Health Courses	见附件 4		考查 Term Paper	5-8	
5	创新创业教育类 (含在线课程) Innovation and Entrepreneurship Courses (Inc. Online Courses)	见附件 5	3	考查 Term Paper	2-8	选修 3 个学分, 其中《新生研讨课》(1 学分) 必选。
6	审美与艺术类 Aesthetics and Art Courses	见附件 6	2	考查 Term Paper	2-4	
总计 Total			12			

3、学科基础课程 (Disciplinary Fundamental Courses): 616 学时 (616 Hours), 38.5 学分 (38.5 Credits)

课程代码 Course Code	课程名称 Course Name	总学时 Hours	学分 Credits	讲课学时 Lecture	实验学时 Experiment	线上学时 Online	考核方式 Assessment	开课学期 Semester	备注 Notes
IS120037	土地资源管理专业导论课 Introduction to Land Resources Management	16	1	16			考查 Term Paper	1	
DR191003	高等数学 B(1) Advanced Mathematics B(1)	96	6	96			考试 Exam	1	
DR191004	高等数学 B(2) Advanced Mathematics B(2)	64	4	64			考试 Exam	2	
DR192005	线性代数 Linear Algebra	32	2	32			考试 Exam	3	
DR011036	地球科学概论 Introduction to Earth Science	64	4	32	32		考试 Exam	2	
DR122001	测量学 A Surveying	40	2.5	24	16		考试 Exam	2	
DR121147	民法学 Civil Law	32	2	32			考试 Exam	2	
DR192006	概率论与数理统计 Probability and Mathematics Statistic	48	3	24	24		考试 Exam	3	
DR071057	经济学原理 Principle of Economics	48	3	48			考试 Exam	3	
DR072141	管理学原理 Principle of Management	32	2	32			考试 Exam	3	
DR122137	地理信息系统原理 B Principles of Geographic Information Systems	48	3	20	28		考试 Exam	3	
DR122031	土壤学 Soil Science	48	3	36	12		考试 Exam	3	
DR122136	遥感原理与应用 Principles and Applications of Remote Sensing	48	3	32	16		考试 Exam	4	
总计 Total		616	38.5	488	128				

4、专业核心课程 (Core Professional Courses): 536 学时 (536 hours), 33.5 学分 (33.5 Credits)

课程代码 Course Code	课程名称 Course Name	总学时 Hours	学分 Credits	讲课学时 Lecture	实验学时 Experiment	线上学时 Online	考核方式 Assessment	开课学期 Semester	备注 Notes
SR122042	土地管理学 Land Management	48	3	42	6		考试 Exam	3	
SR122043	土地法学 (含不动产法学) Land Law	32	2	32			考试 Exam	3	
SR122045	土地资源学 Land Resources Science	48	3	36	12		考试 Exam	3	
SR122047	地籍管理 Cadastral Management	48	3	32	16		考试 Exam	4	
SR122046	土地经济学 (含房地产经济学) Land Economics	48	3	48			考试 Exam	4	
DR122148	地籍测量学 Cadastral Survey	40	2.5	26	14		考试 Exam	4	
SR122151	自然资源评价 Natural Resource Evaluation	32	2	26	6		考试 Exam	4	
DR123035	土地生态学 Land Ecology	48	3	40	8		考试 Exam	5	
SR123141	国土空间规划 Territorial Spatial Planning	48	3	32	16		考试 Exam	5	
DR123149	城乡详细规划 Urban-Rural Detailed Planning	32	2	16	16		考试 Exam	5	
SR123143	土地整治学 B Land Consolidation B	32	2	24	8		考试 Exam	5	
SR123050	不动产估价 Real Estate Appraisal	48	3	38	10		考试 Exam	5	
DR123150	不动产登记 Real Estate Registration	32	2	28	4		考试 Exam	6	
总计 Total		536	33.5	420	116				

5、专业拓展课程 (Specialized Development Courses): 96 学时 (96 hours), 6 学分 (6 Credits)

课程代码 Course Code	课程名称 Course Name	总学时 Hours	学分 Credits	讲课学时 Lecture	实验学时 Experiment	线上学时 Online	考核方式 Assessment	开课学期 Semester	备注 Notes
SS122115	自然资源调查与管理 Natural Resources Investigation and Management	32	2	32			考查 Term Paper	3	
SR123140	农田水利学 Irrigation and Drainage Engineering	32	2	24	8		考试 Exam	6	
SR123065	环境影响评价 Environmental Impact Assessment	32	2	26	6		考查 Term Paper	5	
SR123066	土地规划设计 Land Planning and Design	48	3	32	16		考试 Exam	6	
SR123145	土地工程概预算与项目管理 Land Engineering Budget and Project Management	32	2	24	8		考试 Exam	6	
SR123114	人工智能与地学大数据 Artificial Intelligence and Geoscience Big Data	32	2	24	8		考试 Exam	6	
SS123117	遥感技术与地学应用 Remote sensing technology and geoscience application	32	2	24	8		考查 Term Paper	6	
DR124038	土地资源管理专业英语 Professional English for Land Resources Management	32	2	32			考试 Exam	6	
DR124040	房地产经营与管理 Real Estate Investment and Management	32	2	24	8		考试 Exam	7	
SR124144	生态修复工程 Ecological Restoration Engineering	40	2.5	32	8		考试 Exam	7	
SS124120	科研论文写作与实践 Research Paper Writing and Practice	32	2	24	8		考查 Term Paper	7	
总计 Total		376	23.5	298	78				

6、课程实践 (Practice Course): 30 周 +32 学时 (30 weeks and 32 hours), 26 学分 (26 Credits)

课程代码 Course Code	课程名称 Course Name	周数 (学时) Week(hour)	学分 Credits	考核方式 Assessment	开课学期 Semester	备注 Notes
PR311003	军事技能训练 Military Theory and Practice	2 周	2	考查 Term Paper	1 夏	
PR181010	思想政治社会实践 Political Social Practice	32 学时	2	考查 Term Paper	1 夏	
PR011044	北戴河地质实习 Geological Survey Field Trip in Beidaihe	2 周	2	考查 Term Paper	1 夏	
PR122059	测量实习 Surveying Practice	1 周	1	考查 Term Paper	2	
PR122053	土地信息技术应用实习 Applications of Land Information Technologies	3 周	3	考查 Term Paper	4	
PR122152	土地调查与评价实习 Land Survey and Evaluation Practice	4 周	4	考查 Term Paper	2 夏	
PR123056	不动产估价实习 Real Estate Appraisal Practice	2 周	2	考查 Term Paper	5	
PR120374	国土空间规划实习 Practice of Territory Spatial Planning	4 周	4	考查 Term Paper	3 夏	
PR124058	毕业设计 (论文) Graduation Design (Thesis)	12 周	6	考查 Term Paper	8	
总计 Total		30 周 +32 学时	26			

7、课外实践 (Extracurricular practice): 6 学分 (6 Credits)

包括主题教育活动、社会实践、志愿服务、勤工助学、学科竞赛、文体活动、创新创业活动、劳动实践等, 其学分的认定按照教务处相关规定执行。

Extracurricular practice include Theme Education, Social Practice, Volunteer Service, Work-study Program, Discipline Competition, Cultural and Sports Activities, Innovative and Entrepreneurial Activities, Labor Practice and so on. The recognition of the credits for extracurricular practice shall be implemented according to the regulations of Academic Affairs Office.