**广东省独立学院申请新增**

**学士学位授予专业简况表**

单位名称（代码） 北京师范大学珠海分校

（公章）

学科门类（代码） 工学（08）

专业名称（代码） 环境科学与工程（082501）

批准时间 2015年

广东省学位委员会办公室

2018 年 12 月1 日填

**填 表 说 明**

一、表内各项目要求提供原始材料备查。

二、师资结构中的师资队伍是指具有教师专业技术职务的人员，一般由独立学院专任教师、母体学校委派教师、独立学院聘请的兼职教师构成。“专任教师”是指具有高等教育教师资格证书，编制在独立学院或聘期两年（含）以上，承担教学工作的人员。“母体学校委派教师”是指由母校与独立学院按照教学要求、有计划、定期安排的教师。符合岗位资格是指：主讲教师具有讲师及以上（含讲师）职称或具有硕士及以上学位，通过岗前培训并取得合格证、高等教育教师资格证书的教师。全日制在校生人数=本科生数+专科生数×0.5；生师比=全日制在校生数/教师总数（教师总数=专任教师数+母体学校委派教师人数+不足2年的外聘教师数×0.5）；专任教师中具有研究生学位的比例=(具有研究生学位专任教师数/专任教师数) ×100%；专任教师中具有高级职称的比例=具有副高级以上职务的专任教师数/专任教师数。

三、生均四项经费的比例计算，学费参照同种类型的公办普通高等院校收费标准计算。近4年生均四项经费包括本科业务费、教学差旅费、体育维持费、教学仪器设备维修费。各项经费的具体内容为：本专科生业务费：包括专业建设、课程建设、教材建设等费用，进行实验、实习、毕业设计（论文）所需的各种原材料，低值易耗品及加工、运杂费，生产实习费，答辩费，资料讲义印刷费及学生讲义差价支出等。教学差旅费：教师进行教学调查、资料搜集、教材编审调研等业务活动的市内交通费、误餐费、外地差旅费。体育维持费：各种低值体育器械和运动服装的购置费、修理费，体育运动会费用，支付场地租金和参加校际以上运动会的教职工运动员的伙食补助费，以及公共体育教研室的业务性报刊、杂志、资料等零星费用。教学仪器设备维修费：教学仪器设备的经常维护修理费。

四、生均事业费支出=（总支出 - 自筹基建支出和经营支出）/全日制在校生人数。生均教学科研仪器设备值=教学科研仪器设备资产总值/全日制在校生数

五、生均教学行政用房面积＝（教学及辅助用房面积＋行政办公用房面积）／全日制在校生数。“教学行政用房”，其中教学用房包括普通教室、语音室、计算机教室、多功能教室、多媒体教室、绘图绘画教室、实验室、图书馆、体育馆、体操房等教学和教学辅助用房；行政用房包括学院行政办公用房、教师工作室、会堂等。运动场、游泳池不含在内，另行统计。

六、多媒体授课是指利用多媒体技术授课。多媒体技术是指利用计算机综合处理文字、声音、图像、图形、动画等信息的技术。“图书”包括纸质图书与电子图书；业务类期刊杂志，按种类和年度装订成合订本，1本算1册。生均年进书量＝当年新增图书量/全日制在校生数

七、设计性实验是指给定实验目的、要求和实验条件，由学生自行设计实验方案并加以实现的实验；综合性实验是指实验内容涉及本课程的综合知识或与本课程相关课程知识的实验。

八、表格中涉及到的教学研究项目、获奖、科研项目、专利等均指以学校的名义获得的项目，如果项目负责人以其他单位名义获得，但经费已转入该校的可计入该校科研项目。

九、本表填写的数据不得超过限报数额，不得随意增加内容。文字原则上使用小四或五号宋体。复制（复印）时，必须保持原格式不变，纸张限用A4，双面印刷，装订要整齐。

十、独立学院新增学士学位授予专业由举办高校负责审核，评审方式可采取通讯评议或会议评审进行，评审结束后需将评审专家名单和专家意见（通讯评议需附每位专家签名的评议意见，会议评审则需附专家组长签名的专家组评审意见）附在本表后。

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ⅰ 专业建设（本专业在学校整体规划中的定位、专业建设思路、建设措施与成效，限填800字） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **1. 专业定位**  我校的发展目标是建设成为教育与科技产业复合发展、特色鲜明的综合性改革实验区，发展成为开放式、有特色、应用型高水平大学。环境科学与工程专业创建于2015年，其前身为建校以来成立的资源环境与城乡规划管理专业，是学校适应粤港澳大湾区发展需求，实施应用型人才培养目标的重要组成部分。随着国家“十三五”规划和十九大明确提出生态环境保护和生态文明建设要求，环保产业成为21世纪的朝阳产业，有巨大的人才需求。我校环境科学与工程专业在人才培养上立足“珠三角”，放眼广东及全国，突出“卓越环保工程师”培养定位，培养应用型人才，以满足地方发展对人才的需求。  **2. 专业建设思路**  专业建设以建成学校品牌专业、在“珠三角”乃至广东有一定知名度为目标，以培养从事城乡居住环境规划和管理、生态环境保护、工业污染控制和治理等领域的工程技术与管理应用型人才为核心，以加强“双师型”教学团队建设、扎实推进课程建设和教学改革、创建良好的教学条件和学习环境为主要抓手，在人才培养过程中，立足探究式和实践性教学，增强实践能力培养；立足不动产相关学科群，融入技术、法律、经济等学科知识体系，增强宽口径能力培养。逐步建成教学理念先进、人才培养模式合理、师资及教学条件优越、专业特色鲜明的品牌专业，达到广东省同类学校的先进水平。  **3. 建设措施与成效**  **（1）建设措施**  **1）严格按照国标要求制定人才培养方案。**根据环境科学与工程类教学质量国家标准，从知识体系、课程体系、能力培养体系等方面构建本专业的人才培养方案。每学年对教学计划执行情况进行研究和反馈，根据反馈进一步优化人才培养方案。  **2）严格落实教学管理制度。**质量保障体系上，学院教学管理架构为教学院长——系主任，共同负责专业课程体系建设任务；组建了实习实践办公室，专门负责课程实习实训、专业见习、毕业实习等实践类课程的建设。教学过程质量控制上，成立了学术委员会、教学指导委员会、督导委员会；起草和制定了一系列重要教学管理文件，各教学环节的质量、实施、评价都处于有效监控状态。在日常的教学运行中，注意教学档案建档工作，主要的教学档案包括专业建设、课程建设、师资队伍建设、教学过程监控材料、考试材料、教材、实践教学、教学日历、毕业论文等方面，整理规范。  **3）加强专业师资队伍建设。**学院每学期成立青年教师学习小组，组织开展一系列培训讲座，并积极鼓励青年教师进行各种形式的进修和培训。  **4）加强专业学术科研工作。**加强科研团队建设，建立和完善学院科研管理制度。鼓励教师积极参与科学研究，撰写科研论文，进行各级课题申报。  **5）推进实验室与实习基地建设。**目前学院建有城市发展研究中心、低碳发展研究中心和不动产研究所三个科研机构，建有环境监测与分析专业实验室，以及测量、制图等实验室，实验室仪器、设备满足本专业实验和实践课程的需要；并努力拓展以珠三角为核心的实习实践单位和基地，为培养学生理论联系实际的能力搭建了良好的实践平台。  **（2）建设成效**  **1）课程体系逐步成熟。**形成了符合国家标准的，完整、稳定的理论和实践课程体系。  **2）师资队伍梯队合理。**专业任课教师中硕士研究生学历以上教师达到95%，博士学位以上教师达到52.63%；高级职称以上教师达到57.89%。  **3）科学研究成果丰硕。**积极参与到广东省、珠海市的各级专业相关科研项目，近四年科研经费1133.7万元，出版教材、专著数部，发表高质量论文24篇。  **4）学生实践机会丰富。**学生通过参加教师的科研活动，开阔了视野，巩固了专业知识，初步培养了学生的科学研究能力。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **本 专 业 学 生 情 况** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 类 别 | | | | | | | | | | | | | | | 在校生人数 | | | | | | | | | | | | | | | | 当年招生人数 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 今年毕业人数 | | | | | | | | | | | | | | | | | | 已毕业人数 | | | | | | | | | | | | | | | | | | |
| 本 科 | | | | | | | | | | | | | | | 267 | | | | | | | | | | | | | | | | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 41 | | | | | | | | | | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | |
| 专 科 | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | |
| Ⅱ 教师队伍 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅱ-1 专业负责人** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 姓 名 | | | | | | | | | | 性 别 | | | | | | | | | | | | 出生年月 | | | | | | | | | | | | | | | | | 专业技术职务 | | | | | | | | | | | | | | | | | | | | | | | 定职时间 | | | | | | | | | | | | | 是否  兼职 | | | | | | | | | | | | | | | | | | | | | | | |
| 陈健飞 | | | | | | | | | | 男 | | | | | | | | | | | | 1955.05 | | | | | | | | | | | | | | | | | 教授 | | | | | | | | | | | | | | | | | | | | | | | 1999.07 | | | | | | | | | | | | | 否 | | | | | | | | | | | | | | | | | | | | | | | |
| 最高学位或最后学历  （毕业专业、时间、学校） | | | | | | | | | | | | | | | | | | | | | | 博士（自然地理学,2000.06,福建师范大学） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 工作单位（至系、所） | | | | | | | | | | | | | | | | | | | | | | 北京师范大学珠海分校不动产学院 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **本 人 近 4 年 科 研 工 作 情 况** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **总 体 情 况** | | | 在国内外重要学术刊物上发表论文共 1篇；出版专著 3 部。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 获 奖 成 果 共 1 项；其中：国家级 项；省部级 1 项；市厅级 项，其他 1 项。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 目前承担项目共 3 项；其中：国家级 1 项；省部级 1 项；市厅级 项，其他 1 项 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 近4年支配科研经费共 15万元，年均科研经费 4 万元；其中获得本学院科研经费 万元。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **有 代 表 性 的 成 果** | | | 序号 | | | | | | | | 成果名称（获奖项目、论文、专著、发明专利等,限填5项） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 获奖名称、等级及证书号、刊物名称出版单位，专利授权号（限填5项） | | | | | | | | | | | | | | | | | | | | | | | | | 时间 | | | | | | | | | | | | | 署名  次序 | | | | | | | | | | | | | | | |
| 1 | | | | | | | | 城市景观格局时空特征的热环境效应研究—以广州市花都区为例 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 自然资源学报，30（3），科学出版社 | | | | | | | | | | | | | | | | | | | | | | | | | 2015 | | | | | | | | | | | | | 2（通讯作者） | | | | | | | | | | | | | | | |
| 2 | | | | | | | | 《地理信息系统导论（原著第8版）》译著 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 科学出版社 | | | | | | | | | | | | | | | | | | | | | | | | | 2016 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 3 | | | | | | | | Comparing urban land expansion and its driving factors in Shenzhen and Dongguan, China | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Habitat International.  2015年度高被引论文，教育部 | | | | | | | | | | | | | | | | | | | | | | | | | 2016 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | 美丽中国之生态文明建设科普丛书：《健康的土壤》 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 科技部优秀科普图书（科技部）、中国科普作家协会银质奖（中国科普作家协会） | | | | | | | | | | | | | | | | | | | | | | | | | 2015 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | 普通高等教育“十二.五”国家级规划教材《土壤地理学》（第3版） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | | | | | | | | | | | | | | | | | | | | 2018 | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| **目前承担的主要项目** | | | 序号 | | | | | | | | 名 称 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 来 源 | | | | | | | | | | | | | | | | | | | | | | | | | 起止时间 | | | | | | | | | | | | | 经费  （万元） | | | | | | | | | | 本人承担任务 | | | | | |
| 1 | | | | | | | | 区域农地利用转型中格局与功能变化的耦合机理——以珠江三角洲为例 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 国家自然科学基金 | | | | | | | | | | | | | | | | | | | | | | | | | 2015.01-2017.12 | | | | | | | | | | | | | 23 | | | | | | | | | | 排名第2 | | | | | |
| 2 | | | | | | | | 《地理信息系统》广东省精品开放课程建设项目 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 广东省教育厅 | | | | | | | | | | | | | | | | | | | | | | | | | 2014．01-2017.12 | | | | | | | | | | | | | 4 | | | | | | | | | | 排名第1 | | | | | |
| 3 | | | | | | | | 《地理信息系统导论》（原著第9版）译著 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 科学出版社 | | | | | | | | | | | | | | | | | | | | | | | | | 2018.03-2019.03 | | | | | | | | | | | | |  | | | | | | | | | | 排名第1 | | | | | |
| **主**  **讲**  **课**  **程**  **情**  **况** | | | 时间 | | | | | | | | 课 程 名 称 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 课程性质（必修/选修） | | | | | | | | | | | | | | | | | | | | | | | | | 学时 | | | | | | | | | | | | | 授课主要对象 | | | | | | | | | | | | | | | |
| 2018-2019 | | | | | | | | 地理信息系统 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 专业核心课 | | | | | | | | | | | | | | | | | | | | | | | | | 3学分 | | | | | | | | | | | | | 2017级 | | | | | | | | | | | | | | | |
| 2018-2019 | | | | | | | | 自然地理学 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 通识课 | | | | | | | | | | | | | | | | | | | | | | | | | 2学分 | | | | | | | | | | | | | 2016、2017级 | | | | | | | | | | | | | | | |
| 2017-2018 | | | | | | | | 地理信息系统 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 专业核心课 | | | | | | | | | | | | | | | | | | | | | | | | | 3学分 | | | | | | | | | | | | | 2015、2016级 | | | | | | | | | | | | | | | |
| 2017-2018 | | | | | | | | 土地利用规划学 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 专业核心课 | | | | | | | | | | | | | | | | | | | | | | | | | 3学分 | | | | | | | | | | | | | 2015、2016级 | | | | | | | | | | | | | | | |
| **Ⅱ-2 专业教师队伍** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅱ-2-1 整体情况** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 教师中具有博士学位者人数 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | 教师中具有硕士学位者人数 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | |
| 专 业 技 术 职 务 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 人数合计 | | | | | | | | | | | | | | | | | | 35岁  以下 | | | | | | 36至  45岁 | | | | | | 46至  55岁 | | | | | | | | | | | | 56至  60岁 | | | | | | | | | | | 61岁  以上 | | | | | |
| 教授（或相当专业技术职务者） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | | 1 | | | | | | | | | | | |  | | | | | | | | | | | 1 | | | | | |
| 副教授（或相当专业技术职务者） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | |  | | | | | | 7 | | | | | | 3 | | | | | | | | | | | |  | | | | | | | | | | |  | | | | | |
| 讲师（或相当专业技术职务者） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | | | | | 4 | | | | | | 2 | | | | | | 1 | | | | | | | | | | | |  | | | | | | | | | | |  | | | | | |
| 其他 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | |  | | | | | |
| 合计 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | | | | | | | | | | | | | | | | | | 4 | | | | | | 9 | | | | | | 5 | | | | | | | | | | | |  | | | | | | | | | | | 1 | | | | | |
| **Ⅱ-2-2 专业核心课程、专业课程教师一览表（公共课教师不填，本表可续）** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 姓 名 | | | | | | | | | 性别 | | | 出生年月 | | | | | | | | | | | 职称 | | | | | | | | | | | | | | | | | 最高  学位 | | | | | | | | | | | | | | | 授学位单位名称 | | | | | | | | | | | | | 获最高学位的专业名称 | | | | | | | | | | | | | 是否  兼职 | | | | | | | | | | 进修情况 | | | | | |
| 黄伟 | | | | | | | | | 男 | | | 1968-06 | | | | | | | | | | | 教授 | | | | | | | | | | | | | | | | | 博士 | | | | | | | | | | | | | | | 武汉大学 | | | | | | | | | | | | | 地图制图与地理信息工程 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 陈健飞 | | | | | | | | | 男 | | | 1955-05 | | | | | | | | | | | 教授 | | | | | | | | | | | | | | | | | 博士 | | | | | | | | | | | | | | | 福建师范大学 | | | | | | | | | | | | | 自然地理学 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 周彬学 | | | | | | | | | 男 | | | 1981-02 | | | | | | | | | | | 副教授 | | | | | | | | | | | | | | | | | 博士 | | | | | | | | | | | | | | | 北京师范大学 | | | | | | | | | | | | | 人文地理学 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 胡嘉骢 | | | | | | | | | 男 | | | 1981-04 | | | | | | | | | | | 副教授 | | | | | | | | | | | | | | | | | 博士 | | | | | | | | | | | | | | | 北京师范大学 | | | | | | | | | | | | | 地图学与地理信息系统 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 白壑平 | | | | | | | | | 男 | | | 1984.12 | | | | | | | | | | | 讲师 | | | | | | | | | | | | | | | | | 博士 | | | | | | | | | | | | | | | 托莱多大学 | | | | | | | | | | | | | 化学与环境工程 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 白雪 | | | | | | | | | 女 | | | 1981.3 | | | | | | | | | | | 副教授 | | | | | | | | | | | | | | | | | 博士 | | | | | | | | | | | | | | | 东北财经大学 | | | | | | | | | | | | | 区域经济学 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 郑影华 | | | | | | | | | 女 | | | 1979.05 | | | | | | | | | | | 讲师 | | | | | | | | | | | | | | | | | 博士 | | | | | | | | | | | | | | | 北京师范大学 | | | | | | | | | | | | | 自然地理学 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 曾敏玲 | | | | | | | | | 女 | | | 1983.09 | | | | | | | | | | | 讲师 | | | | | | | | | | | | | | | | | 硕士 | | | | | | | | | | | | | | | 同济大学/法国里昂第二大学 | | | | | | | | | | | | | 城市规划与设计 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 刘金 | | | | | | | | | 男 | | | 1970.11 | | | | | | | | | | | 副教授 | | | | | | | | | | | | | | | | | 博士 | | | | | | | | | | | | | | | 湖南师范大学 | | | | | | | | | | | | | 动物生态学 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 梁炜 | | | | | | | | | 女 | | | 1981.7 | | | | | | | | | | | 副教授 | | | | | | | | | | | | | | | | | 博士 | | | | | | | | | | | | | | | 华南理工大学 | | | | | | | | | | | | | 环境工程 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 钟欣 | | | | | | | | | 女 | | | 1986.09 | | | | | | | | | | | 讲师 | | | | | | | | | | | | | | | | | 博士 | | | | | | | | | | | | | | | 武汉大学 | | | | | | | | | | | | | 环境工程 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 姜亚莉 | | | | | | | | | 女 | | | 1979-04 | | | | | | | | | | | 讲师 | | | | | | | | | | | | | | | | | 硕士 | | | | | | | | | | | | | | | 武汉大学 | | | | | | | | | | | | | 地图学与地理信息系统 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 元炳成 | | | | | | | | | 男 | | | 1963-09 | | | | | | | | | | | 高级工程师 | | | | | | | | | | | | | | | | | 博士 | | | | | | | | | | | | | | | 兰州大学 | | | | | | | | | | | | | 自然地理学，生态学 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 黄鑫宗 | | | | | | | | | 男 | | | 1970-01 | | | | | | | | | | | 高级工程师 | | | | | | | | | | | | | | | | | 本科 | | | | | | | | | | | | | | | 华南理工大学 | | | | | | | | | | | | | 生物化工 | | | | | | | | | | | | | 是 | | | | | | | | | |  | | | | | |
| 王洪艳 | | | | | | | | | 男 | | | 1982-10 | | | | | | | | | | | 高级工程师 | | | | | | | | | | | | | | | | | 硕士 | | | | | | | | | | | | | | | 南京信息工程大学 | | | | | | | | | | | | | 环境科学 | | | | | | | | | | | | | 是 | | | | | | | | | |  | | | | | |
| 熊杰 | | | | | | | | | 男 | | | 1980-11 | | | | | | | | | | | 高级工程师 | | | | | | | | | | | | | | | | | 硕士 | | | | | | | | | | | | | | | 暨南大学 | | | | | | | | | | | | | 环境工程 | | | | | | | | | | | | | 是 | | | | | | | | | |  | | | | | |
| 李名 | | | | | | | | | 男 | | | 1983-08 | | | | | | | | | | | 工程师 | | | | | | | | | | | | | | | | | 硕士 | | | | | | | | | | | | | | | 武汉理工大学 | | | | | | | | | | | | | 环境工程 | | | | | | | | | | | | | 是 | | | | | | | | | |  | | | | | |
| 马文英 | | | | | | | | | 男 | | | 1965-03 | | | | | | | | | | | 工程师 | | | | | | | | | | | | | | | | | 硕士 | | | | | | | | | | | | | | | 武汉理工大学 | | | | | | | | | | | | | 无机分析 | | | | | | | | | | | | | 是 | | | | | | | | | |  | | | | | |
| 周逵先 | | | | | | | | | 男 | | | 1964-08 | | | | | | | | | | | 高级工程师 | | | | | | | | | | | | | | | | | 硕士 | | | | | | | | | | | | | | | 华南农业大学 | | | | | | | | | | | | | 植物病理 | | | | | | | | | | | | | 是 | | | | | | | | | |  | | | | | |
| **Ⅱ-2-3 实验课程教师** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 姓 名 | | | | | | | | | 性别 | | | 出生年月 | | | | | | | | | | | 职称 | | | | | | | | | | | | | | | | | | 最高学位 | | | | | | | | | | | | | 授学位单位名称 | | | | | | | | | | | | | | 获最高学位的专业名称 | | | | | | | | | | | | | 是否  兼职 | | | | | | | | | | 进修情况 | | | | | |
| 白壑平 | | | | | | | | | 男 | | | 1984.12 | | | | | | | | | | | 讲师 | | | | | | | | | | | | | | | | | | 博士 | | | | | | | | | | | | | 托莱多大学 | | | | | | | | | | | | | | 化学与环境工程 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 郑影华 | | | | | | | | | 女 | | | 1979.05 | | | | | | | | | | | 讲师 | | | | | | | | | | | | | | | | | | 博士 | | | | | | | | | | | | | 北京师范大学 | | | | | | | | | | | | | | 自然地理学 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 梁炜 | | | | | | | | | 女 | | | 1981.7 | | | | | | | | | | | 副教授 | | | | | | | | | | | | | | | | | | 博士 | | | | | | | | | | | | | 华南理工大学 | | | | | | | | | | | | | | 环境工程 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| 钟欣 | | | | | | | | | 女 | | | 1986.09 | | | | | | | | | | | 讲师 | | | | | | | | | | | | | | | | | | 博士 | | | | | | | | | | | | | 武汉大学 | | | | | | | | | | | | | | 环境工程 | | | | | | | | | | | | | 否 | | | | | | | | | |  | | | | | |
| **Ⅱ-3 教师科学研究工作** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅱ-3-1 近4年科研工作总体情况** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 教师参加科研比例 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 100% | | | | | | | | | | | | | | | | | | | | | | | 近4年年人均发表科研论文 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.5篇 | | | | | | | | | | | | | | | | | | |
| 科研经费  （万元） | | | | | | | | | | | | | | 出版专著  （含教材）（部) | | | | | | | | | | | | | | | | 发表学术论文 （篇） | | | | | | | | | | | | | | | | | | | | | | | 获奖成果  （项） | | | | | | | | | | | | | | | 鉴定成果  （项） | | | | | | | | | | | | 专 利  （项） | | | | | | | | | | | | | | | | |
| 1133.7 | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | 24 | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | 10 | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |
| **Ⅱ-3-2 本专业近4年主要科研（含鉴定）成果（限填10项）** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 序号 | | | 成 果 名 称 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 项目完成人  （注署名次序） | | | | | | | | | | | | | | | | | | | | | | 获奖名称、等级或组织鉴定单位、时间 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | 珠海市金湾区发展改革和统计局金湾区十三五规划编制 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 黄伟（1） | | | | | | | | | | | | | | | | | | | | | | 珠海市金湾区发展改革和统计局2015年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | 规划建设业务档案一体化管理平台（规划建设业务档案信息新资源挖掘利用研究） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 黄伟（1） | | | | | | | | | | | | | | | | | | | | | | 珠海市住房和城乡规划建设局2017年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | 珠海市万山镇国家生态文明建设示范镇规划编制 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 黄伟（1） | | | | | | | | | | | | | | | | | | | | | | 珠海市万山镇人民政府2016年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | 基于非线性Lowry模型的城市空间结构优化分析系统研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 周彬学（1） | | | | | | | | | | | | | | | | | | | | | | 国家自然科学基金  2015-2017年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | 珠海市开发区总体发展规划研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 周彬学（1） | | | | | | | | | | | | | | | | | | | | | | 珠海市发展和改革局  2017年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | 珠海市中心城区地下空间规划开发适宜性研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 周彬学（1） | | | | | | | | | | | | | | | | | | | | | | 珠海市住房和城乡规划建设局2018年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | 珠海市横琴新区环境质量报告 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 梁炜（1） | | | | | | | | | | | | | | | | | | | | | | 横琴新区建设环保局  2017、2018年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | 高新区人居环境发展成就报告 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 郑影华（1） | | | | | | | | | | | | | | | | | | | | | | 珠海国家高新技术产业开发区管理委员会（唐家湾镇）公共建设局，2015年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | 珠海市万山镇国家生态文明建设示范镇申请技术评估材料 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 郑影华（1） | | | | | | | | | | | | | | | | | | | | | | 珠海市万山海洋开发区公共建设局，2017年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | “美丽广东”生态文明建设评价研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 胡嘉骢（1） | | | | | | | | | | | | | | | | | | | | | | 广东省创新强校工程-特色创新类项目2015年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅱ-3-3 近4年有代表性的转让或被采用的科研成果（限填10项）** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 序号 | | | 成 果 名 称 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 项目完成人  （注署名次序） | | | | | | | | | | | | | | | | | | | | | | 采纳单位、时间及社会、经济效益 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | 珠海市三级联动环境执法机制研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 黄伟（1） | | | | | | | | | | | | | | | | | | | | | | 珠海市环境宜居委员会  2014年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | 珠海市金湾区发展改革和统计局金湾区十三五规划编制 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 黄伟（1） | | | | | | | | | | | | | | | | | | | | | | 珠海市金湾区发展改革和统计局2015年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | 规划建设业务档案一体化管理平台（规划建设业务档案信息新资源挖掘利用研究） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 黄伟（1） | | | | | | | | | | | | | | | | | | | | | | 珠海市住房和城乡规划建设局2017年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | 基于非线性Lowry模型的城市空间结构优化分析系统研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 周彬学（1） | | | | | | | | | | | | | | | | | | | | | | 国家自然科学基金  2015-2017年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | 珠海市开发区总体发展规划研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 周彬学（1） | | | | | | | | | | | | | | | | | | | | | | 珠海市发展和改革局  2017年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | 珠海市中心城区地下空间规划开发适宜性研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 周彬学（1） | | | | | | | | | | | | | | | | | | | | | | 珠海市住房和城乡规划建设局2018年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | 珠海市横琴新区环境质量报告 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 梁炜（1） | | | | | | | | | | | | | | | | | | | | | | 横琴新区建设环保局  2017、2018年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | 珠海市横琴新区管理委员会环境质量检测项目 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 梁炜（1） | | | | | | | | | | | | | | | | | | | | | | 横琴新区建设环保局  2016年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | 高新区人居环境发展成就报告 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 郑影华（1） | | | | | | | | | | | | | | | | | | | | | | 珠海国家高新技术产业开发区管理委员会（唐家湾镇）公共建设局，2015年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | 珠海市万山镇国家生态文明建设示范镇申请技术评估材料 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 郑影华（1） | | | | | | | | | | | | | | | | | | | | | | 珠海市万山海洋开发区公共建设局，2017年 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅱ-3-4 本专业教师近4年发表的学术文章（含出版专著、教材）一览表（限填10项）** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 序号 | | | 论 文（或专著、教材）名 称 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 作 者（注次序） | | | | | | | | | | | | | | | | | | | | 发表（出版）日期 | | | | | | | | | | | | 刊物、会议名称或出版单位 | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | Comparing urban land expansion and its driving factors in Shenzhen and Dongguan, China | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 陈健飞（1） | | | | | | | | | | | | | | | | | | | | 2016 | | | | | | | | | | | | Habitat International | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | 城市景观格局时空特征的热环境效应研究—以广州市花都区为例 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 陈健飞（2） | | | | | | | | | | | | | | | | | | | | 2015 | | | | | | | | | | | | 自然资源学报 | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | 从立体绿化的角度思考我国水土保持的空间维度 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 郑影华（2） | | | | | | | | | | | | | | | | | | | | 2017 | | | | | | | | | | | | 中国水土保持 | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | 转Bar 基因稻谷对小鼠（Mus musculus）肠道菌群的作用研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 刘金（1） | | | | | | | | | | | | | | | | | | | | 2015 | | | | | | | | | | | | 生命科学研究 | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | Isolation of a thermophilic aerobic denitrifier and characterization for its denitrification performance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 梁炜（1） | | | | | | | | | | | | | | | | | | | | 2016 | | | | | | | | | | | | Desalination and Water Treatment | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | 氨碱性蚀刻液中铜溶解过程的化学动力学 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 梁炜（1） | | | | | | | | | | | | | | | | | | | | 2016 | | | | | | | | | | | | 化学工程 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | 高温下生物滴滤塔脱除烟气NOx的研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 梁炜（1） | | | | | | | | | | | | | | | | | | | | 2016 | | | | | | | | | | | | 环境工程 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | Simulated ammonia nitrogen wastewater treated with spent mushroom compost in a laboratory bioreactor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 梁炜（2） | | | | | | | | | | | | | | | | | | | | 2016 | | | | | | | | | | | | Polish Journal of Environmental Studies | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | Efficient Degradation of Clofibric Acid by Electro-enhanced Peroxydisulfate Activation with Fe-Cu/SBA-15 Catalyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 钟欣（2） | | | | | | | | | | | | | | | | | | | | 2018 | | | | | | | | | | | | Applied Catalysis B: Environmental | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | 高校校园学生治安感知及犯罪恐惧的地理空间研究——以珠海市香洲区四所校园为例 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 曾敏玲（1） | | | | | | | | | | | | | | | | | | | | 2018 | | | | | | | | | | | | 人文地理 | | | | | | | | | | | | | | | | | | | | | |
| **Ⅱ-3-5 目前承担的主要科研项目（限填10项）** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 序号 | | | 项 目 名 称 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 项目来源 | | | | | | | | | | | | | | | | | | | | | | | | | 起讫时间 | | | | | | | | | 科研经费（万元） | | | | | | | | | | | 姓 名 | | | | | | | | | | | | | | 承担工作 | | | |
| 1 | | | 珠海市科教优势与城市互动发展研究（2017-2035年） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 珠海市教育局 | | | | | | | | | | | | | | | | | | | | | | | | | 2018 | | | | | | | | | 45 | | | | | | | | | | | 黄伟 | | | | | | | | | | | | | | 主持 | | | |
| 2 | | | 粤港澳大湾区背景下珠海市人才安居管理办法研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 珠海市住房和城乡规划建设局 | | | | | | | | | | | | | | | | | | | | | | | | | 2018 | | | | | | | | | 15 | | | | | | | | | | | 黄伟 | | | | | | | | | | | | | | 主持 | | | |
| 3 | | | 富山工业园人才安居房政策研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 珠海市住房和城乡规划建设局 | | | | | | | | | | | | | | | | | | | | | | | | | 2018 | | | | | | | | | 20 | | | | | | | | | | | 黄伟 | | | | | | | | | | | | | | 主持 | | | |
| 4 | | | 珠海市配建公共租赁住房和人才住房管理模式研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 珠海市住房和城乡规划建设局 | | | | | | | | | | | | | | | | | | | | | | | | | 2018 | | | | | | | | | 20 | | | | | | | | | | | 周彬学 | | | | | | | | | | | | | | 主持 | | | |
| 5 | | | 珠海市中心城区地下空间规划开发适宜性研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 珠海市住房和城乡规划建设局 | | | | | | | | | | | | | | | | | | | | | | | | | 2018 | | | | | | | | | 45 | | | | | | | | | | | 周彬学 | | | | | | | | | | | | | | 主持 | | | |
| 6 | | | 珠海市金湾区“十三五”规划纲要实施情况中期评估 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 珠海市金湾区发展和改革局 | | | | | | | | | | | | | | | | | | | | | | | | | 2018 | | | | | | | | | 8 | | | | | | | | | | | 周彬学 | | | | | | | | | | | | | | 主持 | | | |
| 7 | | | 珠海市万山镇国家生态文明建设示范镇申请技术评估材料编制 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 万山区政府 | | | | | | | | | | | | | | | | | | | | | | | | | 2017-2018 | | | | | | | | | 7.2 | | | | | | | | | | | 郑影华 | | | | | | | | | | | | | | 主持 | | | |
| 8 | | | 珠中江典型区域土壤和作物中重要化学物质的时空分布规律和风险预测研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 广东省创新强校工程-特色创新类项目 | | | | | | | | | | | | | | | | | | | | | | | | | 2017-2019 | | | | | | | | | 20 | | | | | | | | | | | 郑影华 | | | | | | | | | | | | | | 主持 | | | |
| 9 | | | 珠海市国家考核断面水质自动站位置论证 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 珠海市环境保护监测站 | | | | | | | | | | | | | | | | | | | | | | | | | 2017-2018 | | | | | | | | | 9.9 | | | | | | | | | | | 胡嘉骢 | | | | | | | | | | | | | | 主持 | | | |
| 10 | | | 珠海市横琴新区管理委员会环境质量监测项目 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 横琴新区建设环保局 | | | | | | | | | | | | | | | | | | | | | | | | | 2017-2018 | | | | | | | | | 19.988 | | | | | | | | | | | 梁炜 | | | | | | | | | | | | | | 主持 | | | |
| Ⅲ 教学条件及利用 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅲ-1 经费投入情况** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 近4年本专业本科生每年生均四项经费（单位：元/生.年） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2073.3 | | | | | | | | | | | |
| 近4年学校累计向本专业投入专业建设经费 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 192.3万元 | | | | | | | | | | | |
| 序号 | | | 年份 | | | | | | | | | | | 主 要 用 途 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 金额(万元) | | | | | | | | | | | |
| 1 | | | 2015年下 | | | | | | | | | | | 学生实习租车费、专业学术讲座，实验室租用，实验室授课，实习基地建设实验室固定资产购置维修、教学录相、教师招聘差旅、资源占用费等 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24.29 | | | | | | | | | | | |
| 2 | | | 2016年上 | | | | | | | | | | | 质量工程、专用材料、实验室建设、实验室搬运费、资源占用费 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 27.18 | | | | | | | | | | | |
| 3 | | | 2016年下 | | | | | | | | | | | 课程实习租车和保险、专业讲座、专用材料、与本部商谈合作差旅、教学设备、资源占用费等 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30.12 | | | | | | | | | | | |
| 4 | | | 2017年上 | | | | | | | | | | | 实验专用材料、环境工程实验室建设费、资源占用费等 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60.61 | | | | | | | | | | | |
| 5 | | | 2017年下 | | | | | | | | | | | 质量工程、专用材料、学术讲座、带队教师实习餐费、课程实习租车、兼职交通费、资源占用费等 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21.52 | | | | | | | | | | | |
| 6 | | | 2018年上 | | | | | | | | | | | 专业材料、督导工作、学术讲座、专业建设研讨、资源占用费等 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13.59 | | | | | | | | | | | |
| 7 | | | 2018年下 | | | | | | | | | | | 专题讲座、嘉宾交通费接待、学生参加环保比赛、资源占用费等 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14.99 | | | | | | | | | | | |
| 合 计 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 192.3 | | | | | | | | | | | |
| **Ⅲ-2 实习实践** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **校外实习实践教学基地情况** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 序号 | | | 基 地 名 称 | | | | | | | | | | | | | | | | | | | | | 建立时间 | | | | | | | | | | | | | | | | | | | | | | | 是否有  协 议 | | | | | | | | | | | | | | 承担的教学任务情况 | | | | | | | | | | | | | | | | | | | | | | | | | | 每次接收学生人数 | | | | | | | | | | | |
| 1 | | | 广东优华智慧物联科技股份有限公司 | | | | | | | | | | | | | | | | | | | | | 2015.10.16 | | | | | | | | | | | | | | | | | | | | | | | 是 | | | | | | | | | | | | | | 专业实习 | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | |
| 2 | | | 珠海市香洲区环境保护局 | | | | | | | | | | | | | | | | | | | | | 2015.11.11 | | | | | | | | | | | | | | | | | | | | | | | 是 | | | | | | | | | | | | | | 专业实习 | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | | | | | | | | | | |
| 3 | | | 珠海天禾环保工程有限公司 | | | | | | | | | | | | | | | | | | | | | 2016.1.21 | | | | | | | | | | | | | | | | | | | | | | | 是 | | | | | | | | | | | | | | 专业实习 | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | | | | | | | | | | |
| 4 | | | 广东国地规划科技有限公司 | | | | | | | | | | | | | | | | | | | | | 2016.6.16 | | | | | | | | | | | | | | | | | | | | | | | 是 | | | | | | | | | | | | | | 专业实习 | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | |
| 5 | | | 珠海平沙新城建设指挥部 | | | | | | | | | | | | | | | | | | | | | 2016.10.18 | | | | | | | | | | | | | | | | | | | | | | | 是 | | | | | | | | | | | | | | 专业实习 | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | | | | | | | | | | |
| 6 | | | 珠海经济特区恒隆房产开发有限公司 | | | | | | | | | | | | | | | | | | | | | 2016.6.3 | | | | | | | | | | | | | | | | | | | | | | | 是 | | | | | | | | | | | | | | 专业实习 | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | |
| 7 | | | 广州欧科信息技术股份有限公司 | | | | | | | | | | | | | | | | | | | | | 2017.4.11 | | | | | | | | | | | | | | | | | | | | | | | 是 | | | | | | | | | | | | | | 专业实习 | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | |
| 8 | | | 珠海水务集团有限公司供水事业部 | | | | | | | | | | | | | | | | | | | | | 2017.4.28 | | | | | | | | | | | | | | | | | | | | | | | 是 | | | | | | | | | | | | | | 专业实习 | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | | | | | | | | | | |
| 9 | | | 珠海经济特区园海绿化工程有限公司 | | | | | | | | | | | | | | | | | | | | | 2017.7.11 | | | | | | | | | | | | | | | | | | | | | | | 是 | | | | | | | | | | | | | | 专业实习 | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | |
| 10 | | | 珠海市环保与生态协会 | | | | | | | | | | | | | | | | | | | | | 2018.1.1 | | | | | | | | | | | | | | | | | | | | | | | 是 | | | | | | | | | | | | | | 专业实习 | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | |
| 11 | | | 珠海奥思特环保科技有限公司 | | | | | | | | | | | | | | | | | | | | | 2018.4.18 | | | | | | | | | | | | | | | | | | | | | | | 是 | | | | | | | | | | | | | | 专业实习 | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | |
| 12 | | | 珠海市清川环保科技有限公司 | | | | | | | | | | | | | | | | | | | | | 2018.7.13 | | | | | | | | | | | | | | | | | | | | | | | 是 | | | | | | | | | | | | | | 专业实习 | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | |
| **校内、外实习实践教学具体安排及管理、执行情况** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 环境科学与工程专业实习实践教学体系由五个模块组成，分别是课程实践、专业基础实践、专业综合实习、毕业实习毕业论文、社会实践。  **第一模块：课程实践**  课程实践指单项课程实践，目的是通过课程实践环节加深对理论教学的理解，增强同学们的动手能力。根据专业不同和教学需要，分别设置若干课程进行实训，具体课程见专业实践教学大纲，具体学分数如下表。   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | 通识必修 | 专业核心 | 专业方向 | 专业实践 | 课程实践总学分 | | 环境科学与工程 | 9 | 6 | 9 | 23 | 47 |   **第二模块：专业基础实践**  根据教学计划，本部分安排在第二学年完成，主要是化学分析实习、环境化学实习、环境微生物实习等专业基础学科的实习，为第三学年即将上的专业课程实习做好准备。  **第三模块：专业综合实习**  这部分实习具有综合性，主要是在第三、第四学年完成，包括综合实习（一）、综合实习（二）、环境监测评价技术实习部分、环境影响评价实习部分、水污染控制工程实习部分、固体废物处理与处置实习部分、大气污染控制工程实习部分和物理性污染控制实习部分。实习目的在于让学生在前几个学期学习的基础上将学到的各门专业知识有机地结合起来。  **第四模块：毕业实习与毕业设计**  毕业实习4学分，时间8周，分集中实习和分散实习两种方式。课程通过“事前指导、全过程检查、事后评定”实现全程控制和有效管理，并通过师生双向选择确定指导学生名单。为保证指导质量，每位指导教师指导学生人数不能超过15人，并要求所有实习资料必须通过学校网络综合系统提交，以便监督和管理。  毕业论文6学分，是综合检验毕业生整体水平的课程。本专业加强了对毕业设计的质量监控、检查和管理，对毕业论文的组织管理、毕业论文的选题、学生的要求、指导教师的要求、开题报告的提交、指导教师的指导工作、中期阶段的互审、毕业论文的答辩和验收、成绩的评定以及毕业论文材料的归档等各个环节都制定了明确的规范和标准，并认真组织实施。  **第五模块：社会实践**  学院方面积极鼓励学生利用寒暑假、“五一”、“十一”长假、双休日和无课的时间到各类企事业单位积极参加各种活动，在实践中锻炼适应社会的能力、提高综合素质。同时学院也积极鼓励同学们到相关单位进行专业实习，通过参加实习、调研等先了解环境科学行业及行业特点，使自己早日进行职业规划，确定奋斗目标和发展方向。我院有稳定的社会实践基地，每学期都安排学生社会实践，学生参加人数大于98％，效果好。  学院层面社会实践课程主要包括“专题讲座”、“就业指导课程”、“学生个性能力实践课”。  “专题讲座”是学院为了丰富学生们的知识结构、开拓同学们的视野、培养良好的职业意识，根据专业不同设置1-3学分。此学分于第八学期进行认定，要求第一至七学期内累计听满指定数量的专业相关讲座及提交相应的心得体会后，方可获得该学分。专题讲座1-3学分。  “就业指导课程”以促进毕业就业为风向标。我院向同学们发放《不动产学院就业指导学分认定卡》，要求学生在四年内必须要选择参加不少于6次讲座，并填写《不动产学院就业指导培训登记表》，方能认定就业指导1学分。  “学生个性能力实践课”主要包括创新创业实践、专业技能大赛、技能证书（如计算机等级证书等）等学生自主实践课程。这部分内容设置的目的是提高学生的专业技能及创新能力。  综上，五个实习实践模块自成体系，又存在内在联系。专业实践和社会实践相辅相成，缺一不可，不可偏废。专业实践的各个模块循序渐进，由浅入深，尊重教学规律。第二模块是在第一模块单科实践的基础上，进行的专业集中实践；第三模块是在专业集中实践的基础上进行的综合实训。第四模块的实践是对各部分实践教学内容的总结和提高。  社会实践是通过服务认识社会、了解社会，进而了解行业和专业。第五模块中的个性发展模块是针对部分学生的能力进一步提升而设置的，以培养学生创新能力、竞争意识以及进一步提升专业技能的角度出发设置，学生可根据自身特点自主选择，是对学生个性的培养。  应用性人才培养是我院人才培养的目标，应用性人才的培养必须经过一步一步循序渐进的尊重科学规律的实训、见习和实习等实践步骤才能完成，本专业教师包括教授副教授等结合社会服务项目，对学生进行全方位的实践指导，尽力满足社会对人才的不断变化的需求。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅲ-3 实验条件及开设情况** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅲ-3-1 专业实验室情况** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 序号 | | | 实 验 室 名 称 | | | | | | | | | | | | | | | | | 实验室面积（m2） | | | | | | | | | | | | | | | | | 实 验 室  人员配备  （人） | | | | | | | | | | | | | | | | | | | | 仪器设备（台、件） | | | | | | | | | | | | | | | | | | | | | | | 仪器设备总 值（万元） | | | | | | | | | | | | | | | | |
| 合计 | | | | | | | | | | | 万元以上 | | | | | | | | | | | |
| 1 | | | 环境监测与分析实验室C803 | | | | | | | | | | | | | | | | | 175 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | 93 | | | | | | | | | | | 11 | | | | | | | | | | | | 42.41 | | | | | | | | | | | | | | | | |
| 2 | | | 实验室准备室C805 | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | 0 | | | | | | | | | | | | 1.25 | | | | | | | | | | | | | | | | |
| 3 | | | 测绘仪器室 | | | | | | | | | | | | | | | | | 49 | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | 116 | | | | | | | | | | | 19 | | | | | | | | | | | | 156.67 | | | | | | | | | | | | | | | | |
| 4 | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |
| **Ⅲ-3-2 专业实验室仪器设备一览表（指单价高于800元的教学仪器设备，可附表于本页）** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 序号 | | | 仪器设备名称 | | | | | | | | | | | | | | | | 品牌及型号、规格 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 数量 | | | | | | | | | | | | | 单 价（￥或＄） | | | | | | | | | 产地 | | | | | | | | | | | | | | 出 厂  年 份 | | | | |
| 1 | | | 电热恒温培养箱 | | | | | | | | | | | | | | | | 上海一恒 DHP-9082B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 0.48万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 2 | | | 鼓风干燥箱（液晶显示） | | | | | | | | | | | | | | | | 上海一恒DHG-9240(A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 0.53万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 3 | | | 立式压力蒸汽灭菌器(手轮型) | | | | | | | | | | | | | | | | 上海申安LDZX-75KBS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1.09万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 4 | | | 双目生物显微镜 | | | | | | | | | | | | | | | | 江西凤凰 PH50-2A43L-UA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | | | | | | | | | | | | | 0.21万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 5 | | | 三门冰箱 | | | | | | | | | | | | | | | | 海尔（Haier）BCD-216SDN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 0.30万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 6 | | | 台式封闭电炉 | | | | | | | | | | | | | | | | 天津泰斯特 DL-1-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | 0.03万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 7 | | | COD微波消解仪 | | | | | | | | | | | | | | | | 青岛聚创JC-101W型 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | 0.46万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 8 | | | 磁力搅拌器 | | | | | | | | | | | | | | | | IKA RH basic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | 0.57万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 9 | | | 噪音计 | | | | | | | | | | | | | | | | 台湾泰仕 TES-1350A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | | | | 0.07万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 10 | | | 精密pH计（酸度计） | | | | | | | | | | | | | | | | 上海雷磁 PHS-3C型 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | 0.2万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 11 | | | 紫外可见分光光度计 | | | | | | | | | | | | | | | | 上海仪电 L6S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 2.38万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 12 | | | 多管架自动平衡离心机 | | | | | | | | | | | | | | | | 湖南湘仪 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1.08万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 13 | | | 恒温水槽与水浴锅（两用） | | | | | | | | | | | | | | | | 上海一恒 BWS-5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | 0.31万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 14 | | | 24小时恒温自动连续采样器 | | | | | | | | | | | | | | | | 崂应 2021-S型 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | 1.96万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 15 | | | 自由沉淀实验装置 | | | | | | | | | | | | | | | | 上海同育教学 TYWS-166 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 0.73万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 16 | | | 超纯水机 | | | | | | | | | | | | | | | | 和泰 Master-S30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 2.65万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 17 | | | 浅层土壤酸碱度/湿度计 | | | | | | | | | | | | | | | | 正大仪器 ZD-05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | 0.04万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 18 | | | 专业工程摄影机 | | | | | | | | | | | | | | | | 三菱GX-745 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4台 | | | | | | | | | | | | | 2.5万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 19 | | | 投影幕 | | | | | | | | | | | | | | | | 宝视定制直幕4.65\*2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1套 | | | | | | | | | | | | | 5.5万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 20 | | | 高性能专业图形工作站 | | | | | | | | | | | | | | | | 中视典定制 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1台 | | | | | | | | | | | | | 2.5万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 21 | | | 数字图像融合机 | | | | | | | | | | | | | | | | 创凯CK4M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1台 | | | | | | | | | | | | | 12万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 22 | | | 视频矩阵切换器 | | | | | | | | | | | | | | | | 创凯CKVGA0808 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1台 | | | | | | | | | | | | | 1.3万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 23 | | | 显示器 | | | | | | | | | | | | | | | | LGL1942SE-BF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2台 | | | | | | | | | | | | | 0.13万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 24 | | | 投影机吊架及配件 | | | | | | | | | | | | | | | | 精石立体吊架GX-745 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2套 | | | | | | | | | | | | | 0.3万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 25 | | | 专业振玻璃镜头 | | | | | | | | | | | | | | | | 德胜XPZJ-120MM\*120MM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4套 | | | | | | | | | | | | | 0.2万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 26 | | | 专业大功率功放 | | | | | | | | | | | | | | | | PAL GS-2700 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1台 | | | | | | | | | | | | | 0.45万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 27 | | | 专业大功率功放 | | | | | | | | | | | | | | | | PAL GS-4400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1台 | | | | | | | | | | | | | 0.65万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 28 | | | 专业大功率音箱 | | | | | | | | | | | | | | | | PAL PK100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6个 | | | | | | | | | | | | | 0.11万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 29 | | | 调音台 | | | | | | | | | | | | | | | | PAL M6.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1台 | | | | | | | | | | | | | 0.22万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 30 | | | 无线MIC | | | | | | | | | | | | | | | | 贝克BK-202 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1台 | | | | | | | | | | | | | 0.2万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 31 | | | 中控卡 | | | | | | | | | | | | | | | | WCHHR-1080 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1台 | | | | | | | | | | | | | 0.15万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 32 | | | 机柜 | | | | | | | | | | | | | | | | 精致42U | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1套 | | | | | | | | | | | | | 0.32万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 33 | | | 单反相机 | | | | | | | | | | | | | | | | 佳能5KMARKII | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1套 | | | | | | | | | | | | | 1.61万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 34 | | | 移动镜头 | | | | | | | | | | | | | | | | 佳能TS-E17MM F/4L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 套 | | | | | | | | | | | | | 1.78万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 35 | | | 相机支架及配件 | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1套 | | | | | | | | | | | | | 2万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 36 | | | 台式电脑 | | | | | | | | | | | | | | | | PIV 1.5G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 80台 | | | | | | | | | | | | | 0.45万元 | | | | | | | | | 中国 | | | | | | | | | | | | | |  | | | | |
| 37 | | | ArcGIS | | | | | | | | | | | | | | | | 软件 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | | | | | |  | | | | |
| 38 | | | MapGIS | | | | | | | | | | | | | | | | 软件 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | | | | | |  | | | | |
| 39 | | | Atlas2008 | | | | | | | | | | | | | | | | 软件 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | | | | | |  | | | | |
| 40 | | | ERDAS | | | | | | | | | | | | | | | | 软件 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | | | | | |  | | | | |
| 41 | | | 南方测绘全站仪 | | | | | | | | | | | | | | | | NTS-3402R5，25M对中杆 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5台 | | | | | | | | | | | | | 2.75万元 | | | | | | | | | 南方测绘仪 | | | | | | | | | | | | | |  | | | | |
| 42 | | | 天宝手持GPS | | | | | | | | | | | | | | | | GE0 3000XT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1个 | | | | | | | | | | | | | 1.998万元 | | | | | | | | |  | | | | | | | | | | | | | |  | | | | |
| 43 | | | 艾美特除湿机 | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2台 | | | | | | | | | | | | | 0.25万元 | | | | | | | | |  | | | | | | | | | | | | | |  | | | | |
| 44 | | | 徕卡手持测距仪 | | | | | | | | | | | | | | | | D2 D2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4台 | | | | | | | | | | | | | 0.19万元 | | | | | | | | | 瑞士徕卡 | | | | | | | | | | | | | |  | | | | |
| 45 | | | 欧达V8摄像机 | | | | | | | | | | | | | | | | 欧达V8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3台 | | | | | | | | | | | | | 0.125万元 | | | | | | | | | 深圳博亚 | | | | | | | | | | | | | |  | | | | |
| 46 | | | 联想台式电脑 | | | | | | | | | | | | | | | | 13\*2130\*4G，500HD，7450IG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 80 | | | | | | | | | | | | | 0.38万元 | | | | | | | | | 联想（北京） | | | | | | | | | | | | | |  | | | | |
| 47 | | | 惠普打印机 | | | | | | | | | | | | | | | | HP LJ P4515X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1.91万元 | | | | | | | | | 惠普公司 | | | | | | | | | | | | | |  | | | | |
| 48 | | | 佳能复印机 | | | | | | | | | | | | | | | | 佳能IR2022 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1.29万元 | | | | | | | | | 佳能 | | | | | | | | | | | | | |  | | | | |
| 49 | | | 麦哲伦GPS定位仪 | | | | | | | | | | | | | | | | 麦哲伦500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | | | | 0.2万元 | | | | | | | | | 麦哲伦 | | | | | | | | | | | | | |  | | | | |
| 50 | | | 惠普打印机 | | | | | | | | | | | | | | | | HP 0J PR0 J860 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 0.23万元 | | | | | | | | | 惠普公司 | | | | | | | | | | | | | |  | | | | |
| 51 | | | 惠普台式电脑 | | | | | | | | | | | | | | | | HP A6505CN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 0.46万元 | | | | | | | | | 惠普公司 | | | | | | | | | | | | | |  | | | | |
| 53 | | | HP绘图仪 | | | | | | | | | | | | | | | | HP T1100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 4.55万元 | | | | | | | | | 惠普公司 | | | | | | | | | | | | | |  | | | | |
| 54 | | | ENVI | | | | | | | | | | | | | | | | 软件 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | | | | | |  | | | | |
| 55 | | | PCI | | | | | | | | | | | | | | | | 软件 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | | | | | |  | | | | |
| 56 | | | AUTOCAD | | | | | | | | | | | | | | | | 软件 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | | | | | |  | | | | |
|  | | |  | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | | | | | |  | | | | |
| **Ⅲ-3-3 实验及综合性、设计性实验开设一览表（本表可续，可附表于本页）** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 序号 | | | 有实验的课程名称 | | | | | | | | | | | | | | | | | | 课程要求 | | | | | | | | | | | | | | | | | | | | | 项 目 名 称  **（综合性、设计性实验在项目名称后标注“▲”）** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 学时 | | | | | | 实验  开出率 | | | | | | | | |
| 必修 | | | | | | | | 选修 | | | | | | | | | | | | |
| 1 | | | 环境微生物学实验 | | | | | | | | | | | | | | | | | | 是 | | | | | | | |  | | | | | | | | | | | | | 培养基的制备和灭菌 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | | | | | | 100% | | | | | | | |
| 平板划线与表面涂布 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 显微镜观察 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 革兰氏染色及显微镜观察 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 水中细菌总数的测定 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 空气中细菌总数的测定 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 酸奶制作 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | 普通化学 | | | | | | | | | | | | | | | | | | 是 | | | | | | | |  | | | | | | | | | | | | | 实验一 课程介绍、仪器的认领和洗涤、加热器具的使用 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | | | | | | 100% | | | | | | | |
| 实验二 溶液的配制和滴定分析基础 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实验三 硫酸亚铁铵的制备 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实验四 氯化铵的制备 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实验五 pH法测定醋酸电离常数 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实验六 电导率法测定硫酸钡溶度积常数 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实验七 铜、银、锌、镉、汞的性质实验 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实验八 可溶性氯化物中氯的测定（莫尔法） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | 环境化学 | | | | | | | | | | | | | | | | | | 是 | | | | | | | |  | | | | | | | | | | | | | 实验一 大气中的二氧化硫的测定（盐酸副玫瑰苯胺分光光度法） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | | | | | | 100% | | | | | | | |
| 实验二 大气中氮氧化物的测定（盐酸萘乙二胺比色法） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实验三 室内空气中甲醛的测定（酚试剂分光光度法） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实验四 水中溶解氧的测定 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实验五 自来水总硬度的测定 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实验六 水中总余氯的测定 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实验七 活性炭吸附废水 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实验八 重铬酸钾法测土壤有机物 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | 土壤学 | | | | | | | | | | | | | | | | | | 是 | | | | | | | |  | | | | | | | | | | | | | 实验一 校园土壤采集与pH测试 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | | | | | | 100% | | | | | | | |
| 实验二 土壤有效氮实验 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实验三 土壤有效磷实验 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | 环境生态学 | | | | | | | | | | | | | | | | | | 是 | | | | | | | |  | | | | | | | | | | | | | 实验一 生命表编制 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | 100% | | | | | | | |
| 实验二 植物多样性调查与分析 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | 综合实习（二） | | | | | | | | | | | | | | | | | | 是 | | | | | | | |  | | | | | | | | | | | | | 实习一 校园生活垃圾分类指引 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | | | | | | 100% | | | | | | | |
| 实习二 校园生活垃圾收运路线设计 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实习三 校园餐饮烟气处理设计 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实习四 校园内雨水净化设施设计 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **实验开出率** ＝ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 实际开出的实验项目数 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ×100％＝  100 **％** | | | | | | | | | | | | | | | | | | | | | | |
| 教学大纲（计划）应开实验项目数 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **综合性、设计性实验开出率** ＝ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 有综合性、设计性实验的课程数 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ×100％ ＝ 60  **％** | | | | | | | | | | | | | | | | | | | | | | |
| 含有实验的课程总数 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅲ-4 专业图书资料** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 近4年本专业图书文献资料购置经费 115.62 万元 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 馆藏总量（万册） | | | | | | | 159.50 | | | | | | | | 中文藏书量（万册） | | | | | | | | | | 156.09 | | | | | | | | | 外文藏书量（万册） | | | | | | | | | | | | | | | | | 3.42 | | | | | | | | | | | | | | | 中文期刊（种） | | | | | | 1907 | | | | | | | 外文期刊（种） | | | | | | | | | | | | | | | 71 | | | |
| 数据库  （种） | | | | | | | 70 | | | | | | | | 中文电子图书（万册） | | | | | | | | | | 7.5 | | | | | | | | | 外文电子图书（万册） | | | | | | | | | | | | | | | | | 0.83 | | | | | | | | | | | | | | | 中文电子期刊（种） | | | | | | 528 | | | | | | | 外文电子期刊（种） | | | | | | | | | | | | | | | 126 | | | |
| |  |  |  |  | | --- | --- | --- | --- | | 主要期刊或图书名称 | 类型 | 册数 | 起订/入库时间 | | 中华人民共和国环境法典 | 图书 | 3册 | 2018 | | 城市景观设计 | 图书 | 3册 | 2018 | | 环境污染治理技术与实训 | 图书 | 3册 | 2018 | | 微囊藻群体的环境生态学特征及其资源化利用 | 图书 | 3册 | 2018 | | 环境规划法规模型遴选及标准化应用技术指南 | 图书 | 3册 | 2017 | | 长江经济带生态环境保护规划 | 图书 | 3册 | 2017 | | 赤水河流域水环境保护与流域管理研究 | 图书 | 3册 | 2017 | | 低碳经济对中国对外贸易环境的影响 | 图书 | 3册 | 2017 | | 环境法院和法庭 : 决策者指南 : a guide for policy makers | 图书 | 3册 | 2017 | | 环境评价学 | 图书 | 3册 | 2017 | | 环境污染 : 制度根源与对策 : the system roots and countermeasures | 图书 | 3册 | 2017 | | 青海矿山地质环境及恢复治理工程 | 图书 | 3册 | 2017 | | 高校依法治校内外环境因素研究 | 图书 | 3册 | 2017 | | 中华人民共和国海洋环境保护法 | 图书 | 3册 | 2017 | | 环境工程制图与CAD技术 | 图书 | 3册 | 2017 | | 环境心理和行为研究 | 图书 | 3册 | 2017 | | 黄河三角洲区域污染物的环境行为和历史迁移演化规律 | 图书 | 3册 | 2017 | | 海州湾东西连岛环境监测研究 | 图书 | 3册 | 2017 | | 生态文明治理体系现代化下的生态环境监测管理体制改革研究 | 图书 | 3册 | 2017 | | 农村水环境生态治理模式研究 | 图书 | 3册 | 2017 | | 深海极端环境服役材料 | 图书 | 3册 | 2017 | | 我国区域食物、环境、能源、经济和人口协调发展研究 | 图书 | 3册 | 2017 | | 环境监测与实训 | 图书 | 3册 | 2017 | | 非能源矿产资源-经济-环境相协调的关键技术与过程控制 | 图书 | 3册 | 2017 | | 环境工程CAD | 图书 | 3册 | 2017 | | 南海北部湾全新世环境演变及人类活动影响研究 | 图书 | 3册 | 2017 | | 气候变化背景下的中亚资源与环境 | 图书 | 3册 | 2017 | | 环境保护倡导中国实践案例集 | 图书 | 3册 | 2017 | | 图解中华人民共和国环境保护法 | 图书 | 3册 | 2017 | | 疏勒河流域中游绿洲生态环境需水研究 | 图书 | 3册 | 2017 | | 环境生态学实验指导 | 图书 | 3册 | 2017 | | 建筑环境与能源应用工程专业英语 | 图书 | 3册 | 2017 | | 环境材料学 | 图书 | 3册 | 2017 | | 资源节约型与环境友好型社会建设土地政策研究 | 图书 | 3册 | 2017 | | 制度环境演化与中国特色社会组织发展研究 | 图书 | 3册 | 2017 | | 环境美学的理论建构与实践价值研究 | 图书 | 3册 | 2017 | | 人天关系和谐与环境保护法的完善 | 图书 | 3册 | 2017 | | 我国环境保护刑事立法的完善 | 图书 | 3册 | 2017 | | 环境工程设计案例图集 | 图书 | 3册 | 2017 | | 环境工程设计图集 | 图书 | 3册 | 2017 | | 区域大气环境-化学-气候模拟 | 图书 | 3册 | 2017 | | 美国环境政策研究. 二 | 图书 | 3册 | 2017 | | 环境微生物学实验教程 | 图书 | 3册 | 2017 | | 海州湾生物多样性及生态环境保护研究 | 图书 | 3册 | 2017 | | 活性污泥微生物学与分子生物学 | 图书 | 3册 | 2017 | | 环境生物化学基础 | 图书 | 3册 | 2017 | | 环境样品前处理技术 | 图书 | 3册 | 2017 | | 人居环境设计史纲 | 图书 | 3册 | 2017 | | 环境工程制图实训 | 图书 | 3册 | 2017 | | 中共中央国务院关于营造企业家健康成长环境弘扬优秀企业家精神更好发 | 图书 | 3册 | 2017 | | 环境工程制图习题, 教师用书 | 图书 | 3册 | 2017 | | 环境工程制图 | 图书 | 3册 | 2017 | | 环境监测实践教程 | 图书 | 3册 | 2017 | | 突发环境事件常见污染物甄别及处置 | 图书 | 3册 | 2017 | | 2016版环境管理体系实用教程 | 图书 | 3册 | 2017 | | 城市群生态环境安全阈值与空间管制分区研究 | 图书 | 3册 | 2017 | | 北京市旅游经济与城市环境协调发展研究 | 图书 | 3册 | 2017 | | 城市轨道交通环境控制系统运行与维护 | 图书 | 3册 | 2017 | | 山地城市空间演化与城市生态环境 | 图书 | 3册 | 2017 | | 城市的品格 : 纽约前市长布隆伯格的环境治理商业新方略 | 图书 | 3册 | 2017 | | 城市环境气象监测评价预警 | 图书 | 3册 | 2017 | | 环境法学 | 图书 | 3册 | 2017 | | 资源与环境经济学研究方法 | 图书 | 3册 | 2017 | | 为了共同的福祉 : 重塑面向共同体, 环境和可持续未来的经济 : redirecting t | 图书 | 3册 | 2017 | | 生态伦理学教程 | 图书 | 3册 | 2017 | | 自然地理与环境、国土资源研究 : 彭补拙学术论文选集 | 图书 | 3册 | 2017 | | 新环境·新对策 : 中小企业战略管理研究 | 图书 | 3册 | 2017 | | 资源与环境系统分析 | 图书 | 3册 | 2017 | | 生机湿地 | 图书 | 3册 | 2017 | | 环境保护2020 : 以提高环境质量为核心的战略转型 : the strategic transition with | 图书 | 3册 | 2017 | | 国外生态环境保护经验与启示 | 图书 | 3册 | 2017 | | 广东省“十三五”环境保护战略研究 | 图书 | 3册 | 2017 | | 国民环境教育共生机制 | 图书 | 3册 | 2017 | | 环境生态学 | 图书 | 3册 | 2017 | | 环境生态工程 | 图书 | 6册 | 2017 | | 城市群城镇化空间格局、环境效应及优化 : 以兰西城市群为例 | 图书 | 3册 | 2017 | | 文化创意产业对提升城市人居环境质量的分析研究 | 图书 | 3册 | 2017 | | 环境生物资源与应用 | 图书 | 3册 | 2017 | | 电子垃圾污染生物修复技术及原理 | 图书 | 3册 | 2017 | | 可持续发展人口资源环境协调机制研究 : 以四川省为例 | 图书 | 3册 | 2017 | | 国际环境与健康研究经典案例 | 图书 | 3册 | 2017 | | 大连市民环境教育读本 | 图书 | 3册 | 2017 | | 珠三角区域城市化过程及其生态环境效应 | 图书 | 3册 | 2017 | | 长三角区域城市化过程及其生态环境效应 | 图书 | 3册 | 2017 | | 生物燃料产业内贸易 : 环境立法是如何加剧资源利用和温室气体排放的 | 图书 | 3册 | 2017 | | 贸易增长、环境效应与产业政策演变 | 图书 | 3册 | 2017 | | 基于隐含碳视角的中国贸易环境研究 | 图书 | 3册 | 2017 | | 国家生态屏障区生态系统评估 | 图书 | 3册 | 2017 | | 京津冀区域城市化过程及其生态环境效应 | 图书 | 3册 | 2017 | | 中国典型地区居住建筑室内健康环境状况调查研究报告 : 2012-2015年 | 图书 | 3册 | 2017 | | 居住建筑室内健康环境评价方法 | 图书 | 3册 | 2017 | | 新媒体环境下的食品安全风险交流 : 理论探讨与实践研究 | 图书 | 3册 | 2017 | | 环境治理功能材料 | 图书 | 3册 | 2017 | | 环境规制政策与经济可持续发展研究 | 图书 | 3册 | 2017 | | 中国环境公益诉讼主体多元化研究 | 图书 | 3册 | 2017 | | 中华人民共和国海洋环境保护法 : 2016年修正版 | 图书 | 3册 | 2017 | | 海洋生态环境保护与舟山群岛新区建设 | 图书 | 3册 | 2017 | | 黄河中上游能源化工区生态环境遥感调查与评估 | 图书 | 3册 | 2017 | | 环境工程微生物实验技术 | 图书 | 3册 | 2017 | | 城市环境安全和防护 | 图书 | 3册 | 2017 | | 环境有害因素的生殖和发育毒性 | 图书 | 3册 | 2017 | | 环境社会学是什么 : 中外学者访谈录 | 图书 | 3册 | 2017 | | 变化环境下渭河流域水资源演变与配置 | 图书 | 3册 | 2017 | | 区域土地利用景观变化及其土地生态环境响应 | 图书 | 3册 | 2017 | | PPP项目操作实务, 环境保护 | 图书 | 3册 | 2017 | | 资源环境科学专业英语 | 图书 | 3册 | 2017 | | 环境影响评价相关法律法规试题解析 : 2017年版 | 图书 | 3册 | 2017 | | 环境法私人实施研究 | 图书 | 3册 | 2017 | | 中国典型海湾海岸工程建设生态环境效应与风险 | 图书 | 3册 | 2017 | | 喀斯特环境与贵州民族墓葬文化 | 图书 | 3册 | 2017 | | 不确定环境下的闭环供应链定价、协调与网络均衡决策 | 图书 | 3册 | 2017 | | 环境保护概论 | 图书 | 3册 | 2017 | | 探求环境问题解决之道 : 人与自然和谐共存 | 图书 | 3册 | 2017 | | 制度环境、终极控制人代理与并购绩效 | 图书 | 3册 | 2017 | | 中国西部环境治理中的公众参与机制与实现路径 | 图书 | 3册 | 2017 | | 环境科学专业实习指导教程 | 图书 | 3册 | 2017 | | 灌溉引起的地质环境变化与黄土地质灾害 : 以甘肃黑方台灌区为例 | 图书 | 3册 | 2017 | | 环境污染犯罪司法解释图解案例手册 | 图书 | 3册 | 2017 | | 新媒体时代政治环境与执政方式研究 | 图书 | 3册 | 2017 | | 典型电子材料户外大气环境腐蚀行为与机理 | 图书 | 3册 | 2017 | | 中国城市环境卫生行业发展研究报告 | 图书 | 3册 | 2017 | | 中国典型区域城市化过程及其生态环境效应 | 图书 | 3册 | 2017 | | 中国沿海城市亲海人居环境研究 | 图书 | 3册 | 2017 | | 环境建筑效果图表现 : 3ds Max+模拟灯光+VRay系统高级教程 | 图书 | 3册 | 2017 | | 城市环境设施设计 | 图书 | 3册 | 2017 | | 黄河三角洲土壤及其环境 | 图书 | 3册 | 2017 | | 水资源与水环境风险评价方法及其应用 | 图书 | 3册 | 2017 | | 中国工业环境规制的劳动力效应研究 | 图书 | 3册 | 2017 | | 全媒体环境下的信息资源建设导论 | 图书 | 3册 | 2017 | | 基于环境承载力的城市公共安全规划理论与方法 | 图书 | 3册 | 2017 | | 资源与环境制约的应对途径分析 | 图书 | 3册 | 2017 | | 城市森林与城市环境 | 图书 | 3册 | 2017 | | 城市河流环境修复技术原理及实践 | 图书 | 3册 | 2017 | | 珠江流域生态环境十年变化评估 | 图书 | 3册 | 2017 | | 长株潭区域城市化及其生态环境效应 | 图书 | 3册 | 2017 | | 武汉城市群城市化过程及其生态环境效应 | 图书 | 3册 | 2017 | | 辽河流域生态系统评估 | 图书 | 3册 | 2017 | | 松花江流域生态系统评估 | 图书 | 3册 | 2017 | | 黄河流域生态环境十年变化评估 | 图书 | 3册 | 2017 | | 环境影响评价教程 | 图书 | 3册 | 2017 | | 环境微生物学 | 图书 | 6册 | 2017 | | 广州市村庄社区环境微改造技术指南 | 图书 | 3册 | 2017 | | 资源环境约束下的首都北京发展研究 | 图书 | 3册 | 2017 | | 地球与环境 | 图书 | 3册 | 2017 | | 守護環境的英雄 | 图书 | 3册 | 2016 | | 環境生態學 | 图书 | 3册 | 2016 | | 全球環境變遷與生態永續 | 图书 | 3册 | 2016 | | 流域综合规划环境影响评价关键技术研究 | 图书 | 3册 | 2016 | | 中华人民共和国环境保护税法 : 2016年12月25日第十二届全国人民代表大会 | 图书 | 3册 | 2016 | | 变化环境下水资源评价方法不确定性研究 | 图书 | 3册 | 2016 | | 东北亚区域环境跨界污染的合作治理研究 | 图书 | 3册 | 2016 | | 环境艺术设计手绘效果图表现技法 | 图书 | 3册 | 2016 | | 长江下游青弋江水阳江流域湖泊环境演变 | 图书 | 3册 | 2016 | | 华北平原水土地质环境监测与研究 | 图书 | 3册 | 2016 | | 四维城市 : 城市历史环境研究的理论、方法与实践 : the theory, methods and pra | 图书 | 3册 | 2016 | | 中国页岩气开发 : 环境影响评价和监管制度研究 : exploitation and its environme | 图书 | 3册 | 2016 | | 综合风险防范 : 全球变化与环境风险关系及其适应性范式 | 图书 | 3册 | 2016 | | 环境统计年报数据汇编 : 1991-2010 | 图书 | 3册 | 2016 | | 中国乡村社区环境调研报告 | 图书 | 3册 | 2016 | | 全球城市环境战略转型比较研究 | 图书 | 3册 | 2016 | | 美丽乡村工业化建筑建成图集 | 图书 | 3册 | 2016 | | 冲突性环境事件中的传播与行动 : 以北京六里屯和广州番禹居民反建垃圾 | 图书 | 3册 | 2016 | | 城市智慧学习环境研究与测评 : 宜居与创新的视角 : from livable and innovative | 图书 | 3册 | 2016 | | 探析城市病 : 都市密集区城镇土地格局的环境效应与适应 | 图书 | 3册 | 2016 | | 城市旅游环境资源绩效评估理论与实践 | 图书 | 3册 | 2016 | | 渤海湾港口区域发展与环境承载力响应机制研究 | 图书 | 3册 | 2016 | | 财政分权下的地方政府环境污染治理研究 | 图书 | 3册 | 2016 | | 2015中国人居环境设计学年奖获奖作品集 | 图书 | 3册 | 2016 | | 城市生活垃圾处置的困境与出路 | 图书 | 3册 | 2016 | | 氯盐侵蚀环境下混凝土的损伤破裂机理及应用研究 | 图书 | 3册 | 2016 | | 城市环境与生态学 | 图书 | 3册 | 2016 | | 城市环境治理 : 东亚的探索和智慧 | 图书 | 3册 | 2016 | | 环境景观设计手绘效果图 : 马克笔表现技法 | 图书 | 3册 | 2016 | | 环境艺术设计主体与方法探究 | 图书 | 3册 | 2016 | | 建设项目水土保持与环境保护 | 图书 | 3册 | 2016 | | 城市地质环境信息系统 | 图书 | 3册 | 2016 | | 环境水文地质学 | 图书 | 3册 | 2016 | | 环境设计心理学 | 图书 | 3册 | 2016 | | 能源环境投入产出分析 : 模型、方法与应用 : model,method and application | 图书 | 3册 | 2016 | | 环境影响评价与低碳绿色发展 | 图书 | 3册 | 2016 | | 城市水体环境及其治理 : 案例分析 | 图书 | 3册 | 2016 | | 山地环境生态对气候变化的响应 | 图书 | 3册 | 2016 | | 环境地理信息系统 | 图书 | 3册 | 2016 | | 环境通识教育教程 | 图书 | 3册 | 2016 | | 环境影响评价实训教程 | 图书 | 3册 | 2016 | | 长江经济带环境绩效评估报告 | 图书 | 3册 | 2016 | | 城市风环境评估与风道规划 : 打造“呼吸城市” | 图书 | 3册 | 2016 | | 废弃电子信息材料的腐蚀与环境污染 | 图书 | 3册 | 2016 | | 兽药污染的环境健康影响与风险评估技术 | 图书 | 3册 | 2016 | | 中国人群环境暴露行为模式研究报告, 儿童卷, Children | 图书 | 3册 | 2016 | | 污染物排放与环境质量变化历史趋势国际比较研究 | 图书 | 3册 | 2016 | | 环境设计基础 | 图书 | 3册 | 2016 | | 环境设计制图 | 图书 | 3册 | 2016 | | 环境与化学实验基础知识汇编 | 图书 | 3册 | 2016 | | 道路交通环境影响评价 | 图书 | 3册 | 2016 | | 英国共用地的环境治理研究 | 图书 | 3册 | 2016 | | 可持续城市水环境系统规划方法与应用 | 图书 | 3册 | 2016 | | 生态环境与害虫防控 | 图书 | 3册 | 2016 | | 坠毁幸存环境试验工程实施指南 | 图书 | 3册 | 2016 | | 城市居住环境艺术设计研究 | 图书 | 3册 | 2016 | | 广东省农村环境综合整治技术指引 | 图书 | 3册 | 2016 | | 农业生态环境保护理念与污染防治实用技术 | 图书 | 3册 | 2016 | | 环境经济学 | 图书 | 3册 | 2016 | | 城市中心风环境与空间形态耦合机理及优化设计 | 图书 | 3册 | 2016 | | 环境与全球健康 | 图书 | 3册 | 2016 | | 人类行为与社会环境 | 图书 | 3册 | 2016 | | 可持续投资和环境市场 : 全新资产类别中的机遇 | 图书 | 3册 | 2016 | | 环境资源与能源法评论 | 图书 | 3册 | 2016 | | 高层建筑与都市人居环境 | 图书 | 3册 | 2016 | | 建筑环境与能效研究 | 图书 | 3册 | 2016 | | 环境监测知识百问 | 图书 | 3册 | 2016 | | 环境影响评价基础数据库设计技术指南 | 图书 | 3册 | 2016 | | 基于RS与GIS的地震区地质灾害与环境评价 | 图书 | 3册 | 2016 | | 国际环境外交 | 图书 | 3册 | 2016 | | 引信环境及其应用 | 图书 | 3册 | 2016 | | 海洋大气环境腐蚀寿命 | 图书 | 3册 | 2016 | | 饮水安全与环境卫生可持续管理 | 图书 | 3册 | 2016 | | 自然地理与资源环境专业实验教程 | 图书 | 3册 | 2016 | | 变化环境下干旱区水文情势及水资源优化调配 | 图书 | 3册 | 2016 | | 村域发展机理与资源环境效应 : 不同类型地区的案例研究 | 图书 | 3册 | 2016 | | 环境类群体性事件研究 | 图书 | 3册 | 2016 | | 电子政务环境下的政府信息公开 | 图书 | 3册 | 2016 | | 国外环境监测标准目录汇编 | 图书 | 3册 | 2016 | | 海洋环境监测设计 | 图书 | 3册 | 2016 | | 基于光环境的城市高架桥下绿地景观研究 | 图书 | 3册 | 2016 | | 环境监测综合实验 | 图书 | 3册 | 2016 | | 村镇环境综合整治技术与管理 | 图书 | 3册 | 2016 | | 环境政策与绿色技术进步 | 图书 | 3册 | 2016 | | 环境损害鉴定评估与赔偿法律体系研究 | 图书 | 3册 | 2016 | | 现代经济学大典, 资源与环境经济学分册 | 图书 | 3册 | 2016 | | 环境监测实验 | 图书 | 9册 | 2016 | | 草原生态环境要素遥感定量反演及应用系统 | 图书 | 3册 | 2016 | | 农业生态环境与美丽乡村建设 | 图书 | 3册 | 2016 | | 中国环境规划与政策 | 图书 | 3册 | 2015 | | 初中通識 : 能源科技與環境新視野 | 图书 | 3册 | 2015 | | 室内环境检测 | 图书 | 3册 | 2015 | | 煤矿地质环境评估 : 以阳泉煤业一矿、五矿为例 | 图书 | 3册 | 2015 | | 实验室环境试验技术 | 图书 | 3册 | 2015 | | 分子生态学 | 图书 | 3册 | 2015 | | 西樵自然与生态研究论文集 | 图书 | 3册 | 2015 | | 环境监测人员持证上岗考核试题集 | 图书 | 3册 | 2015 | | 环境监测 | 图书 | 3册 | 2015 | | 环境影响评价基础数据库建设指南 | 图书 | 3册 | 2015 | | 全国首个跨省流域水环境补偿试点 : 新安江流域水环境补偿探索与实践 : | 图书 | 3册 | 2015 | | 中国城市人居环境历史图典, 湖北卷 | 图书 | 3册 | 2015 | | 城市饮用水水源地环境污染事故应急处置实用技术 | 图书 | 3册 | 2015 | | 城市地下空间环境艺术设计 | 图书 | 3册 | 2015 | | 中国重要经济区和城市群地质环境图集, 珠江三角洲经济区、海南国际旅 | 图书 | 3册 | 2015 | | 中国典型城市环境地质图集 | 图书 | 3册 | 2015 | | 京津冀之间生态环境关系与生态补尝机制研究 | 图书 | 3册 | 2015 | | 中国环境经济发展研究报告 | 图书 | 3册 | 2015 | | 基于生态系统管理的经济分析 : 以海洋与海岸带环境为例 | 图书 | 3册 | 2015 | | 环境侵权的解释论 | 图书 | 3册 | 2015 | | 地方意识与星球意识 : 环境想象中的全球 : the environmental imagination of the gl | 图书 | 3册 | 2015 | | 环境基准研究进展 | 图书 | 3册 | 2015 | | 《环境与发展国际盟约(草案)》评注 | 图书 | 3册 | 2015 | | 实验动物屏障环境与设施管理技术 | 图书 | 3册 | 2015 | | 数字环境下学科教学法的实践研究 | 图书 | 3册 | 2015 | | 西南山地城市空间适灾理论与方法研究 | 图书 | 3册 | 2015 | | 环境分析化学的方法及应用研究 | 图书 | 3册 | 2015 | | 工程环境化学原理及应用 | 图书 | 3册 | 2015 | | 微生物农药环境安全性评价技术研究 | 图书 | 3册 | 2015 | | 粤港区域环境合作与低碳发展 | 图书 | 3册 | 2015 | | 城市总体规划环境影响评价技术方法及应用研究 | 图书 | 3册 | 2015 | | 典型湖泊水环境污染与水文模拟研究 | 图书 | 3册 | 2015 | | 环境有机化学 | 图书 | 3册 | 2015 | | 环境科学基础教程 | 图书 | 3册 | 2015 | | 浙江沿岸生态环境及海湾环境容量 | 图书 | 3册 | 2015 | | 环境化学实验教程 | 图书 | 3册 | 2015 | | 遥感技术在水环境评价中的应用 | 图书 | 3册 | 2015 | | 基于市场导向的环境金融发展研究 | 图书 | 3册 | 2015 | | 河口区海洋环境监测与评价一体化研究 : 以珠江口为例 : a case of Pearl River | 图书 | 3册 | 2015 | | 我国近岸海域水环境质量与陆源压力及其变化趋势研究 | 图书 | 3册 | 2015 | | 湖泊水环境质量演变与水环境基准研究 | 图书 | 3册 | 2015 | | 地下水环境监测网优化方法与实践 | 图书 | 3册 | 2015 | | 湖泊水环境保护知识问答 | 图书 | 3册 | 2015 | | 水资源与水环境综合管理规划编制技术 | 图书 | 3册 | 2015 | | 水环境重点污染物物种敏感度分布评价 | 图书 | 3册 | 2015 | | 城市遥感 : 城市环境监测、集成与建模 : monitoring, synthesis and modeling in the | 图书 | 3册 | 2015 | | 鄱阳湖地区环境变化遥感监测与环境管理 | 图书 | 3册 | 2015 | | 兼容多分辨率遥感影像的城市热环境特征研究 | 图书 | 3册 | 2015 | | 城市地表热环境遥感分析与生态调控 | 图书 | 3册 | 2015 | | 环境科学与工程专业英语 | 图书 | 3册 | 2015 | | 南四湖湿地系统生态环境演变研究 | 图书 | 3册 | 2015 | | 基于环境泥沙的营养物质输移机理与生态防治 | 图书 | 3册 | 2015 | | 环境税背景下旅游经济与旅游生态环境效应研究 | 图书 | 3册 | 2015 | | 建设工程绿色施工与环境管理 | 图书 | 3册 | 2015 | | 更深入的环境影响评价 : 促进环境影响评价与环境管理体系的完美结合 : | 图书 | 3册 | 2015 | | 中国环境统计制度改革与框架设计 | 图书 | 3册 | 2015 | | 海洋环境污染刑法规制研究 | 图书 | 3册 | 2015 | | 环境与资源保护法学 | 图书 | 3册 | 2015 | | 环境模拟与评价 | 图书 | 3册 | 2015 | | 环境工程设计基础 | 图书 | 3册 | 2015 | | 基础环境科学 | 图书 | 3册 | 2015 | | 全面建成小康社会的环境经济预测研究报告 | 图书 | 3册 | 2015 | | 生态文明视野下地方政府环境保护绩效评估研究 | 图书 | 3册 | 2015 | | 建筑环境与能源应用工程概论 | 图书 | 3册 | 2015 | | 厌氧环境实验微生物学 | 图书 | 3册 | 2015 | | 水与生态环境 | 图书 | 3册 | 2015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 订购主要数字资源的时间和名称（含电子图书、期刊、全文数据库、文摘索引数据库等）  2003年起 CNKI全文数据库（包括中国期刊全文数据库、中国优秀硕士学位论文全文数据库等7个子库）  2003年起 EBSCO全文数据库（包括ASP、BSP）  2004年起 中国资讯行Infobank高校财经数据库  2005年起 英语学习库  2006年起 万方数据库  2008年起 超星电子图书  2008年起 方正电子图书  2009年起 Springer Link 数据库  2009年起 Westlaw法律在线全文数据库  2009年起 读秀知识数据库  2010年起 超星名师讲坛视频数据库  2010年起 新东方多媒体学习库  2011年起 EBSCO全文数据库（ASC+BSC）  2011年起 万律中国法律法规双语数据库  2011年起 Emerald回溯内容全国在线数据库  2012年起 博看电子期刊数据库  2013年起 大城老旧看全文数据库  2013年起 TAO台湾学术期刊数据库  2013年起 企鹅英文原版电子书  2014年起 中经网数据库  2014年起 锐思金融研究数据库  2014年起 维普《中文科技期刊数据库》  2015年起 “人大复印报刊资料全文数据库”  2015年起 RESSET数据库  2016年起 “EPS数据平台”  2016年起 “世界科技电子书”  2016年起 “世界科技期刊网”  2016年起 “中科VIPExam考试学习数据库”  2017年起 “Scholargate全球高水平学者库”  2017年起 “TWB台湾学术书籍数据库”  2017年起 “MET全民英语学习资源库”  2017年起 Emerald全文期刊库（管理学、工程学）  2018年起 “中科UMajor大学专业课学习数据库”  2018年起 “设计师之家资源库”  2018年起 “万方——《中国地方志知识服务系统》” | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ⅳ 教学过程及管理 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅳ-1学位、教学管理制度（包括课程与教材建设、教学研究与质量监控）** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **序号** | | | | | **名 称** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **实施时间** | | | | | | | | | | | | | | | | |
| 1 | | | | | 不动产学院教师聘任制度 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2005年至今 | | | | | | | | | | | | | | | | |
| 2 | | | | | 不动产学院青年教师指导制度 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2005年至今 | | | | | | | | | | | | | | | | |
| 3 | | | | | 不动产学院教学计划评审制度 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2005年至今 | | | | | | | | | | | | | | | | |
| 4 | | | | | 不动产学院调课制度 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2005年至今 | | | | | | | | | | | | | | | | |
| 5 | | | | | 不动产学院教学督导制度 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2005年至今 | | | | | | | | | | | | | | | | |
| 6 | | | | | 不动产学院院、系领导听课制度 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2005年至今 | | | | | | | | | | | | | | | | |
| 7 | | | | | 不动产学院学生评教制度 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2005年至今 | | | | | | | | | | | | | | | | |
| 8 | | | | | 不动产学院试卷审核制度 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2005年至今 | | | | | | | | | | | | | | | | |
| 9 | | | | | 不动产学院试卷管理制度 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2005年至今 | | | | | | | | | | | | | | | | |
| 10 | | | | | 不动产学院试卷分析制度 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2005年至今 | | | | | | | | | | | | | | | | |
| 11 | | | | | 不动产学院教学事故处理制度 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2005年至今 | | | | | | | | | | | | | | | | |
| 12 | | | | | 不动产学院教学效果评比制度 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2005年至今 | | | | | | | | | | | | | | | | |
| 13 | | | | | 不动产学院教师学期教学评估奖惩条例（试行） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2011年至今 | | | | | | | | | | | | | | | | |
| 14 | | | | | 关于成立学术委员会等机构的决定 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2011年至今 | | | | | | | | | | | | | | | | |
| 15 | | | | | 不动产学院科研管理条例（暂行） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2011年至今 | | | | | | | | | | | | | | | | |
| 16 | | | | | 不动产学院排课、开课及调停课管理办法（暂行） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2011年至今 | | | | | | | | | | | | | | | | |
| 17 | | | | | 不动产学院毕业设计（论文）工作实施细则 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2011年至今 | | | | | | | | | | | | | | | | |
| 18 | | | | | 不动产学院毕业生实习工作方案 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2011年至今 | | | | | | | | | | | | | | | | |
| 19 | | | | | 关于成立学院实习实践指导办公室的决定 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2011年至今 | | | | | | | | | | | | | | | | |
| 20 | | | | | 不动产学院教学工作评估实施方案 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2012年至今 | | | | | | | | | | | | | | | | |
| 21 | | | | | 不动产学院本科生学士学位评定分委会工作职责 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2012年至今 | | | | | | | | | | | | | | | | |
| 22 | | | | | 不动产学院兼职教师管理办法 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2012年至今 | | | | | | | | | | | | | | | | |
| 23 | | | | | 不动产学院科研工作管理办法 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2012年至今 | | | | | | | | | | | | | | | | |
| 24 | | | | | 不动产学院教职员年度量化考核办法(试行) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2016年至今 | | | | | | | | | | | | | | | | |
| 25 | | | | | 不动产学院教职员岗位职责及考核管理办法（试行） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2016年至今 | | | | | | | | | | | | | | | | |
| 26 | | | | | 不动产学院关于课堂教学额外支付费用的规定（试行） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2016年至今 | | | | | | | | | | | | | | | | |
| 27 | | | | | 关于成立新一届学院教学指导委员会的决定 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2018年至今 | | | | | | | | | | | | | | | | |
| **Ⅳ-2 课程与教材** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅳ-2-1 公共课** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 课程名称 | | | | | | | | | | | | | | | | | | 必修/选修 | | | | | | | 课时 | | | | | | | 使 用 教 材 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 授 课 教 师 | | | | | | | | | | | | | | | |
| 教材名称 | | | | | | | | | | | | | | | | | 主编 | | | | | | | | | | | | | | | 出版单位 | | | | | | | | | | 出版年份 | | | | | | | | | 姓名 | | | | | | 职称 | | | | | | | | | |
| 生活中的经济学 | | | | | | | | | | | | | | | | | | 选修 | | | | | | | 36 | | | | | | | 生活中的经济学 | | | | | | | | | | | | | | | | | 茅于轼 | | | | | | | | | | | | | | | 暨南大学出版社 | | | | | | | | | | 2007年 | | | | | | | | | 白壑平 | | | | | | 讲师 | | | | | | | | | |
| 资源与环境 | | | | | | | | | | | | | | | | | | 选修 | | | | | | | 36 | | | | | | | Living In The Environment | | | | | | | | | | | | | | | | | G. Tyler Miller | | | | | | | | | | | | | | | Cengage Learning | | | | | | | | | | 2009年 | | | | | | | | | 白壑平 | | | | | | 讲师 | | | | | | | | | |
| 自然地理 | | | | | | | | | | | | | | | | | | 选修 | | | | | | | 36 | | | | | | | 自然地理学 | | | | | | | | | | | | | | | | | 伍光和 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | | | | | 2007年 | | | | | | | | | 郑影华 | | | | | | 讲师 | | | | | | | | | |
| 自然环境与人类文明 | | | | | | | | | | | | | | | | | | 选修 | | | | | | | 36 | | | | | | | 自编讲义 | | | | | | | | | | | | | | | | | 曾敏玲/陈燕娥 | | | | | | | | | | | | | | | 未出版 | | | | | | | | | | -- | | | | | | | | | 曾敏玲/陈燕娥 | | | | | | 讲师 | | | | | | | | | |
| 城市的故事 | | | | | | | | | | | | | | | | | | 选修 | | | | | | | 36 | | | | | | | 自编讲义 | | | | | | | | | | | | | | | | | 曾敏玲 | | | | | | | | | | | | | | | 未出版 | | | | | | | | | | -- | | | | | | | | | 曾敏玲 | | | | | | 讲师 | | | | | | | | | |
| 人体行为与环境 | | | | | | | | | | | | | | | | | | 选修 | | | | | | | 36 | | | | | | | 人体工程学 | | | | | | | | | | | | | | | | | 张志颖、吴丹 | | | | | | | | | | | | | | | 中南大学出版社 | | | | | | | | | | 2013年 | | | | | | | | | 刘金 | | | | | | 副教授 | | | | | | | | | |
| 动物生态多样性 | | | | | | | | | | | | | | | | | | 选修 | | | | | | | 36 | | | | | | | 观赏动物学 | | | | | | | | | | | | | | | | | 朱曦 | | | | | | | | | | | | | | | 浙江科学技术出版社 | | | | | | | | | | 2005年 | | | | | | | | | 刘金 | | | | | | 副教授 | | | | | | | | | |
| 消费心理学 | | | | | | | | | | | | | | | | | | 选修 | | | | | | | 36 | | | | | | | 消费心理学 | | | | | | | | | | | | | | | | | 肖涧松 | | | | | | | | | | | | | | | 电子工业出版社 | | | | | | | | | | 2013年 | | | | | | | | | 刘金 | | | | | | 副教授 | | | | | | | | | |
| 生活中的化学 | | | | | | | | | | | | | | | | | | 选修 | | | | | | | 36 | | | | | | | 自编讲义 | | | | | | | | | | | | | | | | | 钟欣 | | | | | | | | | | | | | | | 未出版 | | | | | | | | | | —— | | | | | | | | | 钟欣 | | | | | | 讲师 | | | | | | | | | |
| 自然地理学 | | | | | | | | | | | | | | | | | | 选修 | | | | | | | 36 | | | | | | | 自然地理学 | | | | | | | | | | | | | | | | | 伍光和 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | | | | | 2007年 | | | | | | | | | 陈健飞 | | | | | | 教授 | | | | | | | | | |
| **Ⅳ-2-2 专业课** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 课程名称 | | | | | | | | | | | | | | | | | | 必修/选修 | | | | | | | 课时 | | | | | | | 使 用 教 材 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 授 课 教 师 | | | | | | | | | | | | | | | |
| 教材名称 | | | | | | | | | | | | | | | | | 主编 | | | | | | | | | | | | | | | 出版单位 | | | | | | 出版年份 | | | | | | | | | | | | 姓名 | | | | | | 职 称 | | | | | | | | | |
| 普通化学 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 54 | | | | | | | 普通化学 | | | | | | | | | | | | | | | | | 赵士铎 | | | | | | | | | | | | | | | 中国农业大学出版社 | | | | | | 2007 | | | | | | | | | | | | 白壑平 | | | | | | 讲师 | | | | | | | | | |
| 环境化学 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 54 | | | | | | | 环境化学 | | | | | | | | | | | | | | | | | 戴树桂 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | 2006 | | | | | | | | | | | | 白壑平 | | | | | | 讲师 | | | | | | | | | |
| 环境与自然资源经济学 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 54 | | | | | | | 环境与自然资源经济学 | | | | | | | | | | | | | | | | | 张帆 夏凡 | | | | | | | | | | | | | | | 格致出版社 | | | | | | 2016 | | | | | | | | | | | | 白雪 | | | | | | 副教授 | | | | | | | | | |
| 环境科学导论 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 36 | | | | | | | 环境科学概论 | | | | | | | | | | | | | | | | | 杨志锋 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | 2011 | | | | | | | | | | | | 郑影华 | | | | | | 讲师 | | | | | | | | | |
| 环境生态学 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 54 | | | | | | | 环境生态学导论 | | | | | | | | | | | | | | | | | 盛连喜 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | 2012 | | | | | | | | | | | | 郑影华 | | | | | | 讲师 | | | | | | | | | |
| 普通地理学 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 54 | | | | | | | 自然地理学 | | | | | | | | | | | | | | | | | 伍光和 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | 2008 | | | | | | | | | | | | 郑影华 | | | | | | 讲师 | | | | | | | | | |
| 土壤学 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 54 | | | | | | | 土壤学 | | | | | | | | | | | | | | | | | 黄昌勇 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | 2011 | | | | | | | | | | | | 郑影华 | | | | | | 讲师 | | | | | | | | | |
| 城市市政工程系统 | | | | | | | | | | | | | | | | | | 选修 | | | | | | | 36 | | | | | | | 城市工程系统规划 | | | | | | | | | | | | | | | | | 戴慎志 | | | | | | | | | | | | | | | 中国建筑工业出版社 | | | | | | 2015 | | | | | | | | | | | | 曾敏玲 | | | | | | 讲师 | | | | | | | | | |
| 环境监测评价技术 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 54 | | | | | | | 环境监测 | | | | | | | | | | | | | | | | | 奚旦立 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | 2010 | | | | | | | | | | | | 梁炜 | | | | | | 副教授 | | | | | | | | | |
| 水污染控制工程 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 72 | | | | | | | 水污染控制工程 | | | | | | | | | | | | | | | | | 高廷耀 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | 2015 | | | | | | | | | | | | 梁炜 | | | | | | 副教授 | | | | | | | | | |
| 环境微生物学 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 36 | | | | | | | 环境工程微生物学 | | | | | | | | | | | | | | | | | 周群英 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | 2015 | | | | | | | | | | | | 梁炜 | | | | | | 副教授 | | | | | | | | | |
| 环境影响评价 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 36 | | | | | | | 环境影响评价 | | | | | | | | | | | | | | | | | 李淑芹 | | | | | | | | | | | | | | | 化学工业出版社 | | | | | | 2012 | | | | | | | | | | | | 梁炜 | | | | | | 副教授 | | | | | | | | | |
| 专业英语 | | | | | | | | | | | | | | | | | | 选修 | | | | | | | 36 | | | | | | | 环境科学与工程专业英语 | | | | | | | | | | | | | | | | | 钟理 | | | | | | | | | | | | | | | 化学工业出版社 | | | | | | 2011 | | | | | | | | | | | | 梁炜 | | | | | | 副教授 | | | | | | | | | |
| 大气污染控制工程 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 72 | | | | | | | 大气污染控制工程 | | | | | | | | | | | | | | | | | 郝吉明 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | 2010 | | | | | | | | | | | | 钟欣 | | | | | | 讲师 | | | | | | | | | |
| 固体废物处理处置 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 54 | | | | | | | 固体废物处理处置 | | | | | | | | | | | | | | | | | 宁平 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | 2007 | | | | | | | | | | | | 钟欣 | | | | | | 讲师 | | | | | | | | | |
| 环境工程原理 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 36 | | | | | | | 环境工程原理 | | | | | | | | | | | | | | | | | 胡洪营 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | 2015 | | | | | | | | | | | | 钟欣 | | | | | | 讲师 | | | | | | | | | |
| 普通物理学 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 54 | | | | | | | 普通物理学 | | | | | | | | | | | | | | | | | 程守洙 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | 2014 | | | | | | | | | | | | 钟欣 | | | | | | 讲师 | | | | | | | | | |
| 环境法律政策与法规 | | | | | | | | | | | | | | | | | | 选修 | | | | | | | 54 | | | | | | | 环境与资源保护法 | | | | | | | | | | | | | | | | | 周珂 | | | | | | | | | | | | | | | 中国人民大学出版社 | | | | | | 2015 | | | | | | | | | | | | 钟欣 | | | | | | 讲师 | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |  | | | | | | |  | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | |  | | | | | |  | | | | | | | | | | | |  | | | | | |  | | | | | | | | | |
| **Ⅳ-2-3 实验课** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 课程名称 | | | | | | | | | | | | | | | | | | 必修/选修 | | | | | | | 课时 | | | | | | | 使 用 教 材 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 授 课 教 师 | | | | | | | | | | | | | | | |
| 教材名称 | | | | | | | | | | | | | | | | | 主编 | | | | | | | | | | | | | | | 出版单位 | | | | | | 出版年份 | | | | | | | | | | | | 姓名 | | | | | | 职称 | | | | | | | | | |
| 化学分析实习 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 36 | | | | | | | 微型无机化学实验 | | | | | | | | | | | | | | | | | 吴茂英 肖楚民 | | | | | | | | | | | | | | | 化学工业出版社 | | | | | | 2012 | | | | | | | | | | | | 白壑平 | | | | | | 讲师 | | | | | | | | | |
| 环境化学实习 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 36 | | | | | | | 环境化学实验 | | | | | | | | | | | | | | | | | 董德明，花修艺，康春莉 | | | | | | | | | | | | | | | 北京大学出版社 | | | | | | 2010 | | | | | | | | | | | | 白壑平 | | | | | | 讲师 | | | | | | | | | |
| 环境生态学 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 54 | | | | | | | 环境生态学概论 | | | | | | | | | | | | | | | | | 盛连喜 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | 2012 | | | | | | | | | | | | 郑影华 | | | | | | 讲师 | | | | | | | | | |
| 土壤学 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 54 | | | | | | | 土壤学 | | | | | | | | | | | | | | | | | 黄昌勇 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | 2007 | | | | | | | | | | | | 郑影华 | | | | | | 讲师 | | | | | | | | | |
| 环境微生物学实验 | | | | | | | | | | | | | | | | | | 必修 | | | | | | | 36 | | | | | | | 环境工程微生物学 | | | | | | | | | | | | | | | | | 周群英 | | | | | | | | | | | | | | | 高等教育出版社 | | | | | | 2015 | | | | | | | | | | | | 梁炜 | | | | | | 副教授 | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |  | | | | | | |  | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | |  | | | | | |  | | | | | | | | | | | |  | | | | | |  | | | | | | | | | |
| **Ⅳ-3 教材建设** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 使用近3年出版的新教材比例 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 ％ | | | | | | | | | | | | | | | | | | | | | | | | |
| 使用省部级及以上获奖教材比例 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 88 ％ | | | | | | | | | | | | | | | | | | | | | | | | |
| 本单位有获省部级及以上奖励教材 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 部 | | | | | | | | | | | | | | | | | | | | | | | | |
| 序号 | | 编写出版或自编教材  名称 | | | | | | | | | | | | | | | | | | | | | | | | | | 主 编 | | | | | | | | | | | | | | | | 编写内容  字数 | | | | | | | | | | | | | | | | 出版时间或编写时间 | | | | | | | | | | | | | | 出版或使用情况 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 《PET高分子材料制造与加工》 | | | | | | | | | | | | | | | | | | | | | | | | | | 白壑平 | | | | | | | | | | | | | | | | 6万 | | | | | | | | | | | | | | | | 2018年 | | | | | | | | | | | | | | 计划出版，校内使用 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 《环境生态校内实习指导书》 | | | | | | | | | | | | | | | | | | | | | | | | | | 郑影华 | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | 2017年 | | | | | | | | | | | | | | 自编教材，校内使用 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | 《地理信息系统实习教材（ArcGIS10）》 | | | | | | | | | | | | | | | | | | | | | | | | | | 胡嘉骢 | | | | | | | | | | | | | | | | 60万 | | | | | | | | | | | | | | | | 2013年 | | | | | | | | | | | | | | 计划出版，校内使用 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | 《毕业实习》指导书 | | | | | | | | | | | | | | | | | | | | | | | | | | 毕业实习指导老师 | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | 2015年 | | | | | | | | | | | | | | 自编教材，校内使用 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | 《自然地理学野外实习指导书》 | | | | | | | | | | | | | | | | | | | | | | | | | | 元炳成 | | | | | | | | | | | | | | | | 25万字 | | | | | | | | | | | | | | | | 2015年 | | | | | | | | | | | | | | 广东教育出版社 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | 《地理信息系统导论（原著第8版）》译著 | | | | | | | | | | | | | | | | | | | | | | | | | | 陈健飞 | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | 2016.01 | | | | | | | | | | | | | | 科学出版社 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | 美丽中国之生态文明建设科普丛书：《健康的土壤》 | | | | | | | | | | | | | | | | | | | | | | | | | | 陈健飞 | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | 2015 | | | | | | | | | | | | | | 科技部优秀科普图书（科技部） | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | 普通高等教育“十二.五”国家级规划教材《土壤地理学》（第3版） | | | | | | | | | | | | | | | | | | | | | | | | | | 陈健飞 | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | 2018 | | | | | | | | | | | | | | 高等教育出版社 | | | | | | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅳ-4教学改革与研究** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅳ-4-1 本专业近4年获市厅级及以上优秀教学成果、教材奖情况** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 序号 | | | | 项 目 名 称 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 获 奖 人  (注署名次序) | | | | | | | | | | | | | | | | | | | | | | | 获奖名称、等级、时间 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅳ-4-2 本专业近4年教学改革研究课题一览表（本表可续）** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 序号 | | | | 课题编号 | | | | | | | | | 课 题 名 称 | | | | | | | | | | | | | | | | | | | | | | | 起讫时间 | | | | | | | | | | | | | | 立项单位 | | | | | | | | | | | | | | | | 发文编号 | | | | | | 姓 名 | | | | | | | | | | 承 担  工 作 | | | | | | | | | | | | | | | | |
| 1 | | | | 201307 | | | | | | | | | 特色课程发展综合 | | | | | | | | | | | | | | | | | | | | | | | 2013-2015 | | | | | | | | | | | | | | 北京师范大珠海分校 | | | | | | | | | | | | | | | |  | | | | | | 郑影华 | | | | | | | | | | 主持 | | | | | | | | | | | | | | | | |
| 2 | | | | 201302 | | | | | | | | | 不动产实验教学示范中心 | | | | | | | | | | | | | | | | | | | | | | | 2013-2017 | | | | | | | | | | | | | | 北京师范大珠海分校 | | | | | | | | | | | | | | | |  | | | | | | 胡嘉骢 | | | | | | | | | | 主持 | | | | | | | | | | | | | | | | |
| 3 | | | | 201301 | | | | | | | | | 基于协同创新的镇村基层不动产综合人才培养模式创新实验区 | | | | | | | | | | | | | | | | | | | | | | | 2013-2017 | | | | | | | | | | | | | | 北京师范大珠海分校 | | | | | | | | | | | | | | | |  | | | | | | 黄伟 | | | | | | | | | | 主持 | | | | | | | | | | | | | | | | |
| 4 | | | | 201401 | | | | | | | | | PBL教学法在应用经济学教学中的实践与探索填 | | | | | | | | | | | | | | | | | | | | | | | 2014-2015 | | | | | | | | | | | | | | 北京师范大珠海分校 | | | | | | | | | | | | | | | |  | | | | | | 白雪 | | | | | | | | | | 主持 | | | | | | | | | | | | | | | | |
| 5 | | | | 201402 | | | | | | | | | 基于环境工程师职业资格的自然地理与资源环境专业课程体系探索与实践 | | | | | | | | | | | | | | | | | | | | | | | 2014-2016 | | | | | | | | | | | | | | 北京师范大珠海分校 | | | | | | | | | | | | | | | |  | | | | | | 胡嘉骢 | | | | | | | | | | 主持 | | | | | | | | | | | | | | | | |
| 6 | | | | 201501 | | | | | | | | | 北京师范大学珠海分校珠海市斗门区莲洲镇乡村建设实践教学基地 | | | | | | | | | | | | | | | | | | | | | | | 2017-2019 | | | | | | | | | | | | | | 广东省教育厅 | | | | | | | | | | | | | | | |  | | | | | | 周彬学 | | | | | | | | | | 主持 | | | | | | | | | | | | | | | | |
| 7 | | | | 201625 | | | | | | | | | 不动产+金融双学位教学团队 | | | | | | | | | | | | | | | | | | | | | | | 2016-2018 | | | | | | | | | | | | | | 北京师范大珠海分校 | | | | | | | | | | | | | | | |  | | | | | | 白雪 | | | | | | | | | | 主持 | | | | | | | | | | | | | | | | |
| 8 | | | | 201637 | | | | | | | | | 基于CO-OP模式的校企合作卓越人才培养 | | | | | | | | | | | | | | | | | | | | | | | 2016-2018 | | | | | | | | | | | | | | 北京师范大珠海分校 | | | | | | | | | | | | | | | |  | | | | | | 胡嘉骢 | | | | | | | | | | 主持 | | | | | | | | | | | | | | | | |
| 9 | | | | 201722 | | | | | | | | | 优质课程环境生态学 | | | | | | | | | | | | | | | | | | | | | | | 2018-2020 | | | | | | | | | | | | | | 北京师范大珠海分校 | | | | | | | | | | | | | | | |  | | | | | | 郑影华 | | | | | | | | | | 主持 | | | | | | | | | | | | | | | | |
| **Ⅳ-5 本届本科生培养方案（附本专业的培养方案）**  **环境科学与工程专业人才培养方案：**  **一、培养目标**  本专业以培养从事城乡居住环境规划和管理、生态环境保护、工业污染控制和治理等领域的工程技术与管理应用型人才为目标。通过严格的科学思维训练和良好的专业技能训练，要求学生具有本专业领域内坚实的基础理论、较强的实验技能，较宽的专业视野，具有进行污染预防和控制工程设计及运营、居住环境规划和管理的能力，能适应环境科学与技术发展、生态文明建设和环境保护需要，能胜任政府规划部门、经济管理部门、环保部门以及设计单位、工矿企业等的环境规划、管理、设计、开发方面工作的专门人才。  **二、业务规格**  本专业学生主要学习社会科学、自然科学、文体艺术、经济管理方面的通识教育基本知识，以及环境科学与工程方面的基本理论和专业知识，接受科学研究和工程设计的基础训练，掌握认识环境问题、解决环境问题的基本能力，具备良好的科研素养、工程职业道德、追求卓越的态度和强烈的社会责任感。  毕业生应获得以下几方面的知识和能力：  1. 具有较好的人文社会科学素养，掌握本专业必须的基础理论知识，包括数学类、化学类、生物类、工程类等课程知识，以及环境科学与工程方面的专业知识，包括认知环境问题的环境科学类知识、解决环境问题的工程类知识和环境管理类知识；  2. 掌握环境科学与工程等方面的观测、分析和应用技术，掌握资料查询、文献检索及运用现代信息技术获得相关信息的基本方法，具有良好工程设计及表达能力、综合运用知识解决问题能力、综合实验能力、工程实践及工程综合能力、学术交流能力、自学能力等基本能力；  3. 熟悉环境领域的仿真、政策、法律法规、环境质量和污染物排放规范，了解国内外环境科学与工程的理论前沿、工程技术和产业发展动态；  4. 具有初步的科学研究和实际工作能力，具有一定的独立思考和创新能力；  5. 掌握一门外语和计算机应用技能，达到规定的等级；  6. 具备健全的人格和健康的身心，具有较强的调查研究与决策、组织管理能力和语言表达能力，具有较好的组织管理能力和较强的环境适应能力和团队合作精神。  **三、基准学制**  基准学制为4年，实行弹性学制3-8年。  **四、授予学位**  工学学士学位  **五、总学分**  160学分  **六、主干学科**  环境科学与工程  **七、专业主干课程**  环境科学原理、环境工程原理、环境化学、环境生态学、环境微生物学、环境监测原理与技术、环境影响评价、大气污染控制工程、固体废弃物处理处置、水污染控制工程、物理性污染控制、绿色建筑概论、地理信息系统、应用遥感技术、计算机辅助设计、全球变化经济学。  **八、核心课程说明**  **1、环境科学导论 04111301 2学分**  课程目标：了解环境科学理论体系的基础上，掌握基础理论和关键知识点。包括环境科学发展和环境思想演变历程；环境科学研究的主要内容及其分支学科；现代环境科学的特点和任务；现代环境科学发展趋势、学科前沿和环境热点问题；现代环境科学的基本理论和方法。培养学生环境友好的价值观和伦理观、环境科学研究与思维技巧、建立局部和全球环境概念、树立环境行为准则，同时提高自身能力。  课程内容：包括第一部分环境的概念、类型及环境科学的发生、发展过程；第二部分环境科学学科体系中最重要的理论基础及可持续发展思想的形成，包括环境伦理、环境地学、环境生态、环境物理、环境化学、环境经济等基础理论知识；第三部分为环境科学的新技术、新方法及其发展趋势；第四部分主要针对可持续发展战略的实施，介绍相关的管理理论和方法，强调了环境教育和环境保护的重要性。  教学方式：理论+实践  考核方式：过程考核+期末考试  教材及参考书：杨志峰，刘静玲等，环境科学概论，高等教育出版社  **2、环境化学 04111270 3学分**  课程目标：通过学习环境中主要化学污染物的来源、迁移、分布、反应、转化、效应和归宿，以及日常生活中常见的污染问题等，从而掌握环境化学的基础知识，理解一些环境问题的本质，分析和处理一般环境污染问题的能力。  课程内容：包括大气环境化学的大气的结构、组成和主要污染物，大气中污染物的迁移、转化，光化学烟雾、硫酸烟雾、温室效应，典型大气污染现象（酸雨、臭氧层损耗、大气颗粒物），水环境化学的天然水的基本特征和污染物的存在形态，水中无机和有机污染物的迁移转化，土壤环境化学的重金属在土壤-植物体系中的迁移及其机制，土壤中农药的迁移转化，典型污染物在环境各圈层的转归和效应，污染物在多介质多界面环境中的传输；重金属元素，有机污染物，受污染环境的修复等。  教学方式：理论+实践  考核方式：过程考核+期末考试  教材及参考书：戴树桂主编,环境化学,高等教育出版社  **3、环境工程原理 04113440 2学分**  课程目标：掌握环境工程学的基本概念和基本理论，包括物料与能量衡算、流体流动、热量传递和质量传递过程的基本概念和理论；掌握分离过程的原理，包括沉淀、过滤、吸收、吸附、离子交换、萃取、膜分离等基本分离过程的原理；掌握反应工程原理，包括化学与微生物反应计量学及动力学，各类化学与生物反应器的解析与基本设计理论等。  课程内容：主要讲述水处理工程、大气污染控制工程、固体废弃物处理处置工程等环境污染防治以及生态修复工程中涉及的具有共性的基本现象和基本过程的基本原理。主要内容包括环境工程原理基础、分离过程原理和反应工程原理三部分。环境工程原理基础部分主要讲述物料与能量守恒原理、传递过程等。分离过程原理部分主要讲述沉淀、过滤、吸收、吸附的基本原理。反应工程原理部分讲述化学和生物反应计量学、动力学、各类反应器的过程解析等。  教学方式：理论+实践  考核方式：过程考核+期末考试  教材及参考书：胡洪营、张旭等，环境工程原理，北京：高等教育出版社  **4、环境生态学 04113280 3学分**  课程目标：掌握环境生态学的基本概念，环境生态学的形成过程及发展趋势，环境生态学的研究内容，理论，研究方法及实际应用；了解受损生态系统变化，掌握生态系统的演替规律以及修复对策，掌握生态系统管理和可持续发展理论；掌握基本的生态学实验方法；能够运用生态学理论，保护和合理利用自然资源，治理被污染和被破坏的生态环境，恢复和重建受损的生态系统，实现保护环境与发展经济的协调。  课程内容：地球上的生物，主要环境因子的生态作用，生态因子作用的一般规律，生物圈中的生命系统，生态系统生态学，生态系统服务，人类对自然生态系统的干扰与生态恢复，环境污染与生态治理，受损生态系统的修复，生态系统管理等。  教学方式：理论+实践  考核方式：过程考核+期末考试  教材及参考书：盛连喜主编. 环境生态学导论（第2版）（“十一五”国家级规划教材），北京：高等教育出版社  **5、环境微生物学 04113550 3学分**  课程目标：通过本课程的学习，使学生系统地了解微生物学的基本形态、类型，掌握微生物的结构、生理特性、生长规律、遗传与变异及微生物在自然界物质转化中的作用、微生物在环境工程中的作用，从而进一步利用微生物为治理环境服务。  课程内容：包括环境微生物学基础知识，环境中微生物的主要类群及其生理、生态特性，微生物与环境的相互作用关系以及污染物的微生物降解与转化规律，传统及新兴的污染控制与治理技术中所涉及的微生物学原理等。  教学方式：理论+实践  考核方式：过程考核+期末考试  教材及参考书：周群英、王士芬编著，环境工程微生物学（第三版），北京：高等教育出版社，  **6、水污染控制工程 04190860 4学分**  课程目标：通过教学，使学生对于废水与污染物的性质、来源、水质标准及控制废水污染的基本途径和治理方法有较全面和深入的了解，初步掌握水污染治理技术。  课程内容：包括水环境的污染与防治，水污染防治基础知识，以及控制废水污染的治理方法三部分，重点讲述重力沉降法，混凝澄清法，浮力浮上法，不溶态污染物的其它分离方法，活性污泥法，生物膜法，厌氧生物处理法，自然条件下的生物处理法，中和法，化学沉淀法，氧化还原法，化学消毒法等。  教学方式：理论+实践  考核方式：过程考核+期末考试  教材及参考书：张希衡等编，水污染控制工程，北京：治金工业出版社，全国高校环境工程教学指导委员会推荐教材  **7、大气污染控制工程 04111732 4学分**  课程目标：通过本课程的学习使学生了解大气污染控制的基本知识，掌握从去除大气污染物的基本方法、原理及其典型净化工艺，使学生具有解决大气污染控制工程问题的基本能力。  课程内容：包括大气污染基础知识，大气污染、大气污染物、大气污染物的来源及控制、大气污染的综合防治措施、大气环境标准，燃烧与大气污染，大气污染气象学，颗粒污染物控制技术基础，除尘原理及除尘装置，气态污染物控制技术基础，气体扩散、气体吸收、气体吸附和气体催化净化，硫氧化物的污染控制，集气罩及管道设计等。  教学方式：理论+实践  考核方式：过程考核+期末考试  教材及参考书：郝吉明、马广大，王书肖主编，大气污染控制工程，第3版，北京：高等教育出版社  **8、地理信息系统 04110172 3学分**  课程目标：通过该课程的学习，使学生掌握城市空间信息技术的基本概念、空间数据的采集、处理与组织、空间分析的原理方法、空间信息系统设计的技术方法等内容，并掌握常用 GIS 软件的操作，能够应用信息技术解决实际问题，并为后续专业课程的学习及进一步研究深造打下基础。  课程内容：包括GIS应用，ArcGIS入门与初步练习，坐标系统，投影变换与坐标校正，矢量数据模型，矢量数据及其属性查询，栅格数据模型，栅格数据及其生成与显示，GIS数据获取、空间数据编辑、属性数据管理、数据显示与地图编制、数据探查，矢量数据分析，栅格数据分析，空间插值，路径分析和网络应用等。  教学方式：理论+实践  考核方式：过程考核+期末考试  教材及参考书：[美] Kang-tsung Chang著 陈健飞 张筱林 译，地理信息导论（Introduction to Geographic Information System）（原著第五版）  **9、固体废物处理与处置 04111751 3学分**  课程目标：通过该课程的学习，使学生了解固体废物的来源、分类和污染危害，熟悉我国控制固体废物污染的技术政策，掌握控制和处理固体废物的基本原理和工艺方法，为今后从事固体废物处理与处置方面的工程技术及研究开发工作打下初步基础。  课程内容：包括固体废物的概念、来源、分类、危害、污染途径和我国的固体废物管理制度和相关法律法规；固体废弃物的收集、运输与压实；固体废物的破碎和细磨； 固体废物分选、脱水；固体废物焚烧、热解、生物处理；固体废物的处置方法；固体废物制备建筑材料；危险废物处理与处置等。  教学方式：理论+实践  考核方式：过程考核+期末考试  教材及参考书：宁平等，固体废物处理与处置，北京：高等教育出版社  **10、环境监测评价技术 04112020 3学分**  课程目标：通过该课程的学习，使学生掌握常规监测项目的基本原理、方法、技术并能在环境工程中应用；具备制订监测方案的能力，包括污染源调查、布点和采样、监测方法选择及方案实施；懂得监测过程质量保证的内容和方法；了解环境监测新方法、新技术及其发展趋势。  课程内容：涵盖水、气、固废、噪声监测技术，主要为水和废水监测，水样的预处理方法、COD、BOD、挥发酚、氰化物、含氮化合物、SS、高锰酸盐指数、TOC、细菌总数、总大肠菌群等的测定；大气和废气监测，固定源的监测、气态污染物的监测；固体废物的监测；噪声污染监测，噪声来源与分类、声功率、声强、声压与级，噪声叠加，等效连续声级、噪声频谱分析、噪声测量仪器，城市环境噪声，工业企业噪声、交通噪声的监测。  教学方式：理论+实践  考核方式：过程考核+期末考试  教材及参考书：奚旦立等主编，环境监测，北京：高等教育出版社  **环境科学与工程专业教学计划：**   |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **2015级环境科学与工程专业教学计划** | | | | | | | | | | | | | | **课程编码** | **课程名称** | **学分** | **总学时** | **开课学期和周学时数** | | | | | | | | **考核**  **方式** | | 通识必修课 | | | | 一 | 二 | 三 | 四 | 五 | 六 | 七 | 八 |  | | 93110081 | 思想道德修养与法律基础（理论） | 1 | 18 | 1 |  |  |  |  |  |  |  | 考试 | | 93110082 | 思想道德修养与法律基础（实践） | 2 | 36 |  | 2 |  |  |  |  |  |  | 考查 | | 93110090 | 中国近现代史纲要 | 2 | 36 |  | 2 |  |  |  |  |  |  | 考试 | | 93110070 | 马克思主义基本原理 | 3 | 54 |  | 3 |  |  |  |  |  |  | 考试 | | 93110101 | 毛泽东思想和中国特色社会主义理论体系概论(理论) | 3 | 54 |  | 3 |  |  |  |  |  |  | 考试 | | 93110102 | 毛泽东思想和中国特色社会主义理论体系概论(实践) | 3 | 54 |  | 3 |  |  |  |  |  |  | 考查 | | 93110050 | 形势与政策 | 2 | 36 |  |  |  |  |  |  |  | 2周 | 考查 | | 15110012 | 大学英语(一) | 3 | 72 | 4 |  |  |  |  |  |  |  | 考试 | | 15110022 | 大学英语(二) | 3 | 72 |  | 4 |  |  |  |  |  |  | 考试 | | 15110032 | 大学英语(三) | 3 | 72 |  |  | 4 |  |  |  |  |  | 考试 | | 15110042 | 大学英语(四) | 3 | 72 |  |  |  | 4 |  |  |  |  | 考试 | | 94110000 | 军事教育 | 2 | 189 |  | 2 |  |  |  |  |  |  | 考试 | | 92110001 | 体育1 | 1 | 36 | 0+2 |  |  |  |  |  |  |  | 考试 | | 92110011 | 体育2 | 1 | 36 |  | 0+2 |  |  |  |  |  |  | 考试 | | 92110021 | 体育3 | 1 | 36 |  |  | 0+2 |  |  |  |  |  | 考试 | | 92110031 | 体育4 | 1 | 36 |  |  |  | 0+2 |  |  |  |  | 考试 | | 68100030 | 大学生职业规划与就业指导 | 1 | 36 | 2 |  |  |  |  |  |  |  | 考查 | | 63111340 | 大学生心理健康教育 | 1 | 18 | 1 | ● | ● | ● | ● | ● | ● | ● | 考试 | | 63111350 | 创业基础 | 2 | 36 | 2 | ● | ● | ● | ● | ● | ● | ● | 考查 | | 小计 | | 38 | 828 | 12 | 16 | 6 | 6 |  |  |  |  |  | | 专业核心课 | | | | 一 | 二 | 三 | 四 | 五 | 六 | 七 | 八 |  | | 4111150 | 不动产通论 | 2 | 36 | 2 |  |  |  |  |  |  |  | 考试 | | 4111301 | 环境科学导论 | 2 | 36 | 2 |  |  |  |  |  |  |  | 考试 | | 95101141 | 高等数学 | 3 | 54 | 3 |  |  |  |  |  |  |  | 考试 | | 4111910 | 普通化学 | 3 | 54 |  | 3 |  |  |  |  |  |  | 考试 | | 4111203 | 普通地理学 | 3 | 54 |  | 3 |  |  |  |  |  |  | 考试 | | 4113560 | 普通物理学 | 3 | 54 |  | 3 |  |  |  |  |  |  | 考试 | | 4110172 | 地理信息系统 | 3 | 54 |  |  | 3 |  |  |  |  |  | 考试 | | 4112420 | 应用统计分析 | 3 | 54 |  |  | 3 |  |  |  |  |  | 考试 | | 4111270 | 环境化学 | 3 | 54 |  |  | 3 |  |  |  |  |  | 考试 | | 4113440 | 环境工程原理 | 2 | 36 |  |  | 2 |  |  |  |  |  | 考试 | | 4113360 | 土壤学 | 3 | 54 |  |  |  | 3 |  |  |  |  | 考试 | | 4110630 | 应用遥感技术 | 3 | 54 |  |  |  | 3 |  |  |  |  | 考试 | | 4113550 | 环境微生物学 | 3 | 54 |  |  |  | 3 |  |  |  |  | 考试 | | 4113280 | 环境生态学 | 3 | 54 |  |  |  |  | 3 |  |  |  | 考试 | | 4112020 | 环境监测评价技术 | 3 | 54 |  |  |  |  | 3 |  |  |  | 考试 | | 小计 | | 42 | 756 | 7 | 9 | 11 | 9 | 6 |  |  |  |  | | 专业方向课 | | | | 一 | 二 | 三 | 四 | 五 | 六 | 七 | 八 |  | | 4190300 | 画法几何与工程制图 | 2 | 36 |  | 2 |  |  |  |  |  |  | 考试 | | 4112540 | 计算机辅助设计 | 2 | 36 |  |  | 2 |  |  |  |  |  | 考试 | | 4113380 | 物理性污染控制 | 2 | 36 |  |  |  | 2 |  |  |  |  | 考试 | | 4190691 | 环境影响评价 | 2 | 36 |  |  |  | 2 |  |  |  |  | 考试 | | 4112740 | 城市市政工程系统（一） | 2 | 36 |  |  |  |  | 2 |  |  |  | 考试 | | 4190842 | 水污染控制工程 | 4 | 72 |  |  |  |  | 4 |  |  |  | 考试 | | 4111751 | 固体废物处理与处置 | 3 | 54 |  |  |  |  |  | 3 |  |  | 考试 | | 4111732 | 大气污染控制工程 | 4 | 72 |  |  |  |  |  | 4 |  |  | 考试 | | 4191780 | 绿色建筑概论 | 2 | 36 |  |  |  |  |  | 2 |  |  | 考试 | | 小计（环境污染控制） | | 23 | 414 |  | 2 | 2 | 4 | 6 | 9 |  |  |  | | 专业实践课 | | | | 一 | 二 | 三 | 四 | 五 | 六 | 七 | 八 |  | | 4113570 | 化学分析实习 | 2 | 369 |  | 4 |  |  |  |  |  |  | 考试 | | 4112241 | 发展综合 | 3 | 54 |  |  |  |  |  |  | 3 |  | 考试 | | 4110683 | 毕业实习 | 4 | 72 |  |  |  |  |  |  | 4周 |  | 考试 | | 4110670 | 毕业设计或论文 | 6 | 108 |  |  |  |  |  |  |  | 6周 | 考试 | | 小计 | | 15 | 270 |  | 4 |  |  |  |  | 3 |  |  | | 专业选修课 | | | | 一 | 二 | 三 | 四 | 五 | 六 | 七 | 八 |  | | 4191710 | 环境心理学 | 2 | 36 | 2 |  |  |  |  |  |  |  | 考试 | | 4111350 | 经济学 | 4 | 72 | 4 |  |  |  |  |  |  |  | 考试 | | 4191590 | 工程水力学 | 2 | 36 |  | 2 | ● |  |  |  |  |  | 考试 | | 4111500 | 土地资源调查与评价 | 3 | 54 |  |  | 3 |  |  |  |  |  | 考试 | | 4191630 | 数据库基础 | 2 | 36 |  | ● |  | 2 |  |  |  |  | 考试 | | 4110282 | 管理学 | 2 | 36 |  |  |  | 2 |  |  |  |  | 考试 | | 4111180 | 不动产与法 | 3 | 54 |  |  |  |  | 3 |  |  |  | 考试 | | 4113290 | 居住区环境 | 2 | 36 |  |  |  |  | 2 |  |  |  | 考试 | | 4113510 | 恢复生态学 | 2 | 36 |  |  |  |  | 2 |  |  |  | 考试 | | 4110541 | 资源与环境 | 2 | 36 |  |  |  |  | 2 |  |  |  | 考试 | | 4112840 | 城市市政工程系统（二） | 2 | 36 |  |  |  |  |  | 2 |  |  | 考试 | | 4111930 | 环境规划与管理 | 2 | 36 |  |  |  |  |  | 2 |  |  | 考试 | | 小计（环境污染控制方向26学分） | | 49 |  |  |  |  |  |  |  |  |  |  | | 通识选修课 | | | | 一 | 二 | 三 | 四 | 五 | 六 | 七 | 八 |  | | 小计 | | 16 |  |  |  |  |  |  |  |  |  |  | | 合计 | | 160 |  |  |  |  |  |  |  |  |  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅳ-6 本届毕业生教学计划执行情况（限500字）** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 环境科学与工程专业教学计划要求完成160学分，通识必修课38学分，专业核心课46学分，专业方向课23学分，专业实践课23学分，专业选修课14学分，公共选修课16学分。  **1、严格执行人才培养方案。**严格执行2015级的环境科学与工程专业的人才培养方案，无任何课程、学期变更和调整。  **2、扎实推进专业课程建设。**专业核心课16门课程共46学分，专业方向课9门课，23学分。教学内容以理论和实践相结合，环境科学与工程专业任课老师承担教学任务的同时，充分发挥学院专业实习实践基地作用，引进环境保护、环境规划、环境监测、环境影响评价、环境规划等领域专家担任任课教师、实践指导、专题讲座等任务，促进学生从理论到实践全视角学习，掌握扎实的专业技能。  **3、稳步落实专业实验课程。**实验课程在木铎楼C803环境工程实验室授课，《化学分析实习》《环境化学实习》《环境微生物实习》由刘金为专职实验管理员，郑影华、梁炜、白壑平三位老师指导。  **4、宽口径落实专业选修课。**专业选修课共15门课程，充分发挥不动产学科群优势，由环境科学与工程专业、城乡规划专业的老师授课，学生根据个人的兴趣和发展方向，挑选14学分课程修读。  **5、依托学校资源落实通识课。**通识必修课政治理论16学分由学校的马克思主义学院安排，大学英语12学分由外国语学院安排，体育4学分由运动休闲学院安排，就业创业3学分由学生选课完成，心理健康1学分由教育学院网络形式授课安排。公共选修课16学分由通识中心建课，学生自由选课完成学分任务。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ⅴ 毕业设计（论文） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅴ-1 毕业设计（论文）情况[包括毕业设计<论文>规范、工作进度、选题安排、指导教师选派、过程管理、及毕业设计（论文）评阅标准，限800字）]** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 根据《北京师范大学珠海分校本科生毕业论文（设计）管理条例》，本专业加强了毕业设计（论文）的质量监控、检查和管理，对毕业设计（论文）的组织管理、毕业设计（论文）的选题、学生的要求、指导教师的要求、开题报告及任务书的提交、指导教师的指导工作、中期阶段的互审、毕业设计（论文）的提交成果、毕业设计（论文）的答辩和验收、成绩的评定以及毕业设计（论文）材料的归档等各个环节都制定了明确的规范和标准，并认真组织实施。   1. **组织管理**   成立以主管教学工作的院（系）领导、教学办公室和教学秘书组成的毕业设计（论文）领导小组，负责毕业设计（论文）工作的具体组织和实施。   1. **毕业设计（论文）的选题**   毕业设计（论文）题目分指导老师出题和学生自拟题目。  教师出题流程为：教师确定好毕业论文题目、简介、对学生的要求，学术委员会审查毕业论文题目，审核通过后，教师学生双向选择，经过2轮选择后确定毕业论文题目。  学生自拟题目流程为：学生提出课题，说明理由、已经具备的条件以及预计达到的目标，经过学术委员会审核批准后执行。   1. **学生的要求**   按照学校规定，申请做毕业设计（论文）的学生必须修完所学专业教学规定的全部课程，并达到规定的学分。   1. **指导教师的要求** 2. 资格要求   具有中级以上（含中级）技术职称或具有硕士（含硕士）以上学位者，具有指导毕业设计（论文）资格。   1. 职责要求   （1）根据学院组织安排，负责学院本科生毕业论文的命题、方案指导、考核等工作。  （2）指导学生收集相关资料，落实毕业设计所需要的实习、实验地点等；在学生进行毕业设计期间，随时了解学生的完成进度和质量，认真考察学生掌握知识和运用知识的能力。  （3）指导学生正确撰写开题报告。  （4）参加中期评审，根据学生已完成情况判断学生是否能在规定时间完成论文内容的能力，作出是否推迟答辩的判定。  （6）答辩前，对所指导的毕业论文进行认真审查，并安排交叉评审，根据学生的工作态度、工作能力、论文质量写出评语。开题报告及任务书的提交   1. **毕业设计（论文）的答辩和验收**   学院（部）按照学校的毕业论文（设计）工作安排组织学生答辩，学生只有参加毕业论文（设计）公开答辩，才能获得相应学分。  答辩的学生要着正装，每位学生的毕业论文（设计）答辩时间一般为15-20分钟，答辩过程包括学生陈述要点、教师提出问题和学生回答问题，答辩应有答辩过程记录，并由答辩小组填写《本科生毕业论文（设计）答辩记录表》。  答辩小组一般为3到5人，由相关专业中级以上职称教师或专家组成（指导老师不参与答辩），组长一般应由学院答辩委员会委员担任。专业答辩小组的职责主要有安排答辩程序、主持答辩过程、做好答辩记录、评定学生答辩成绩、写出评语、上报答辩材料等。  所有未通过答辩者、取消答辩资格者可以申请补答辩。补答辩采用票决制，通过票过半数始为通过。补答辩通过成绩为60分。   1. **成绩的评定**   学生的毕业设计（论文）成绩由指导教师和答辩小组两方面的分数和评语综合评定。其中指导教师评分占30％，答辩小组评分占70％，最终成绩提交答辩委员会审议。  进度安排如下：   |  |  |  |  | | --- | --- | --- | --- | | **时间节点** | **内容** | **负责人** | **备注** | | 2018.9.22前 | 提交命题 | 指导老师 |  | | 2018.9.30前 | 完成选题 | 学生、指导老师 |  | | 2018.11.25前 | 开题报告 | 学生、指导老师 | 指导老师召开见面会，布置毕业论文任务，提交开题报告 | | 2019.1.19前 | 中期检查 | 学生、评审老师 | 确定学生是否能按时答辩 | | 2019.3.11前 | 毕业论文初稿 | 学生、指导老师 | 指导老师检验学生成果 | | 2019.4.8 前 | 毕业论文终稿 | 学生、指导老师 | 指导老师检验学生成果 | | 2019.4.26 前 | 毕业论文答辩 | 学生、指导老师、答辩老师 |  | | 2019.5.17 前 | 毕业论文补答辩 | 学生、答辩老师 |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅴ-2本届毕业设计（论文）选题一览表（按指导教师顺序）** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 编号 | | | | | | 选 题 名 称 | | | | | | | | | | | | | | | | | | | | | | | | | | | 选题来源 | | | | | | | | | | | | | | | 选题类型名称(本专业分类) | | | | | | | | | | | | | | | 学 生  姓 名 | | | | | | 指导教  师姓名 | | | | | | | | | | | | | | | | | 职 称 | | | | | | | | | |
| 1 | | | | | | 新型建筑材料探索与应用-保温材料 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 黄彦轩 | | | | | | 白壑平 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 2 | | | | | | 城市可持续发展现状调查与思考--以湛江市为例 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 黎博多 | | | | | | 白壑平 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 3 | | | | | | 城市建筑生态发展现状调查--以丹东市为例 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 李丰宇 | | | | | | 白壑平 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 4 | | | | | | 新型建筑材料探索与应用-环保类塑料建材 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 彭安锋 | | | | | | 白壑平 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 5 | | | | | | 粤港澳大湾区社会经济与环境污染的空间关联性研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 沈娴 | | | | | | 白雪 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 6 | | | | | | 上海市2013-2018年空气质量分析 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 肖云鹏 | | | | | | 梁炜 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 7 | | | | | | 安阳市经济开发小区污水处理厂工程设计 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 设计 | | | | | | | | | | | | | | | 刘重阳 | | | | | | 梁炜 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 8 | | | | | | 贵阳市近10年环境质量变化特征及影响因素分析 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 申鑫 | | | | | | 梁炜 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 9 | | | | | | 2万人规模生态校园生活污水处理与回用工艺设计 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 设计 | | | | | | | | | | | | | | | 李铭仪 | | | | | | 梁炜 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 10 | | | | | | 湛江市2018年空气质量分析 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 戴文思 | | | | | | 梁炜 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 11 | | | | | | 珠三角大气环境臭氧污染演变趋势 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 刘付怡 | | | | | | 梁炜 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 12 | | | | | | 珠海市金叶工业有限公司生产VOCs废气处理工程设计 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 设计 | | | | | | | | | | | | | | | 苏航 | | | | | | 梁炜 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 13 | | | | | | 合肥市2018年空气质量分析 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 杨小雨 | | | | | | 梁炜 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 14 | | | | | | 1000 m3/d富营养化有机废水除磷工艺设计 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 设计 | | | | | | | | | | | | | | | 潘国威 | | | | | | 梁炜 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 15 | | | | | | A2/O处理某城镇污水并回用于城区绿化系统初步设计 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 设计 | | | | | | | | | | | | | | | 黄郁浚 | | | | | | 梁炜 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 16 | | | | | | 大气VOCs污染与臭氧污染的相关性分析 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 李从开 | | | | | | 梁炜 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 17 | | | | | | 2000吨/天啤酒废水处理工艺设计 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 设计 | | | | | | | | | | | | | | | 戴艺星 | | | | | | 梁炜 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 18 | | | | | | 北京师范大学珠海分校校园的垃圾分类以及处理现状调查及分析 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 蚁铭 | | | | | | 梁炜 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 19 | | | | | | 室内空气污染控制与治理技术的研究进展 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 杨金凤 | | | | | | 梁炜 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 20 | | | | | | 重庆市2013-2018年空气质量分析 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 杨泽坤 | | | | | | 梁炜 | | | | | | | | | | | | | | | | | 副教授 | | | | | | | | | |
| 21 | | | | | | 城市环境管理的公众参与机制研究-以\*市为例 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 阎治辰 | | | | | | 郑影华 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 22 | | | | | | 湖南省郴州市苏仙区下白水村土壤修复实例分析 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 邓雨思 | | | | | | 郑影华 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 23 | | | | | | 广州市\*建筑材料市场建筑垃圾处理现状研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 张玺 | | | | | | 郑影华 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 24 | | | | | | 珠海市农用地土壤重金属形态分析 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 杨礼恒 | | | | | | 郑影华 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 25 | | | | | | 珠海市农用地土壤养分分析与评价 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 邓杰鹏 | | | | | | 郑影华 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 26 | | | | | | 珠海市绿化用地土壤养分分析与评价 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 潘剑淳 | | | | | | 郑影华 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 27 | | | | | | 黄牛石自然保护区生态旅游开发与管理初探 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 熊意阳 | | | | | | 郑影华 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 28 | | | | | | 天鸽和山竹影响下淇澳岛海滩表层沉积物特征对比分析 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 林俊填 | | | | | | 郑影华 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 29 | | | | | | 白水寨风景区生态敏感性分析 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 吴紫珊 | | | | | | 郑影华 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 30 | | | | | | 英德市\*旅游区旅游环境质量评价及优化对策 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 曾泽棠 | | | | | | 郑影华 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 31 | | | | | | 校园内雨水净化处理研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 何敏铃 | | | | | | 钟欣 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 32 | | | | | | 深圳市空气质量分析与预测 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 何宇豪 | | | | | | 钟欣 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 33 | | | | | | 校园内垃圾分类与收运路线设计 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 王成锦 | | | | | | 钟欣 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 34 | | | | | | 重庆市空气质量分析与预测 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 方少虹 | | | | | | 钟欣 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 35 | | | | | | 珠海市噪声污染调查研究——以海华居住区为研究对象 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 李禹蒙 | | | | | | 钟欣 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 36 | | | | | | 光催化处理染料废水 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 谭紫茵 | | | | | | 钟欣 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 37 | | | | | | 校园内雨水净化处理研究 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 黄晓彦 | | | | | | 钟欣 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 38 | | | | | | 光催化处理染料废水 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 叶晓宇 | | | | | | 钟欣 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 39 | | | | | | 汽车尾气后处理技术现状及展望 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 李冠彬 | | | | | | 钟欣 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 40 | | | | | | 光催化处理染料废水 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 伊健慧 | | | | | | 钟欣 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
| 41 | | | | | | 珠海市噪声污染调查研究——以凤凰花园为研究对象 | | | | | | | | | | | | | | | | | | | | | | | | | | | 科研课题 | | | | | | | | | | | | | | | 论文 | | | | | | | | | | | | | | | 钟佳亿 | | | | | | 钟欣 | | | | | | | | | | | | | | | | | 讲师 | | | | | | | | | |
|  | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | |  | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | |
|  | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | |  | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | |
|  | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | |  | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | |
| **Ⅵ 自评意见** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 专业自评意见 | | | | | | | （专业建设特色与优势，不足及改进措施，限800字）  经过几年的专业建设和教学实践，我校环境科学与工程专业的本科教学已基本达到了预定的培养目标，并形成了一定的专业特色与优势：  1、课程建设具有一定特色，本专业与城乡规划、土地资源、居住区环境等密切相关，不动产学院现设有房地产开发与管理、城乡规划和土地资源管理专业，这三个专业可和环境科学与工程专业形成非常好的互补性，资源共享，共同发展。  2、注重理论与实践结合的教学方法。该专业配备的教授、副教授均为本科生开设专业课程，教学水平高，并注重实战经验的传授，展开综合模拟训练，生动有效，本专业也积极参与到珠海市环保相关地方服务项目中。  3、强调宽口径、厚基础，注重实践能力训练，培养综合素质高、富有创新和实践能力、具有国际视野的现代复合型人才。在四年专业教育的基础上，为学生提供多层次出国深造、职业进阶、创业准备等多种专门性指导和培养，以满足不同类型学生发展的需要。学院积极整合各类产学研资源，先后与多家政府部门、企事业单位、知名大学建立了紧密的合作关系，建立了数十个教学实习基地。  4、我校位于“珠三角”地区，毗邻港澳，同国际信息及技术的交流非常便捷。本专业充分利用区位优势，按照“发挥特色和服务区域相结合”的原则，广泛开展生态环境保护方面的科学研究和社会服务。  专业建设下一步努力方向：  1、进一步加强应用型人才培养。立足粤港澳大湾区建设发展环境，持续跟踪行业发展最前沿，进一步加强与行业开展产学研合作，将产学研项目融入理论和实践教学环境，进一步增强学生专业实践能力。  2、进一步加强自编教材建设。立足课程建设和课程教学积累，进一步加强自编教材建设，提升专业学科建设水平。  3、进一步优化教学保障条件。通过投资建设专用的实验室、积极探索利用学校与社会资源开展实践教学、完善课程科学实习基地，进一步完善综合实习基地。  自评结论：本专业已达到普通高等学校申请新增为学士学位授予专业的条件。  专业负责人（签章）： 年 月 日 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 院系审核意见 | | | | | | | 该专业建设思路明确，人才培养方案切实可行，实施措施具体，符合学校应用型人才培养的目标。专业负责人有较好的科研工作背景和教学经验，专业教师队伍已基本形成合理梯队；教学管理制度健全，在办学过程中注重理论与实践结合,能做到立足珠三角，服务广东。  经院系评议，认为该专业已达到学士学位授予专业要求，特此推荐。  院系章： 院系负责人（签章）： 年 月 日 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 单位学位评定委员会意见 | | | | | | | 经学校学位评定委员会审核，认为环境科学与工程专业办学目标明确，人才培养方案完善，教学计划具有科学合理性，师资队伍结构合理，教学管理规范，已达到学士学位授予专业要求，同意新增为学士学位授予专业。  单位学位评定委员会（公章）: 主席（签章）： 年 月 日 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 单位承诺 | | | | | | | 上述材料真实可靠、准确无误，不涉及国家秘密并可在互联网上公示及公开评审，其一切后果和法律责任由我单位承担。  单位公章  年 月 日 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅶ专家评审意见** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 专家评审意见 | | | | | | | **评审方式：□**√通讯评议 **□**会议评审（请在“□”中选择打“√”） | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **专家名单（不少于5人）** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 序号 | | | | | | | | | | 专家姓名 | | | | | | | | | | 所在单位 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 所在专业 | | | | | | | | | | | | | | | | | | 职称、职务 | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | 吴志峰 | | | | | | | | | | 广州大学地理科学学院 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 景观生态、环境遥感与GIS应用 | | | | | | | | | | | | | | | | | | 教授、院长 | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | 胡将军 | | | | | | | | | | 武汉大学资源与环境科学学院 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 环境工程 | | | | | | | | | | | | | | | | | | 教授 | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | 林春野 | | | | | | | | | | 北京师范大学环境学院 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 环境工程 | | | | | | | | | | | | | | | | | | 教授 | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | 黄少斌 | | | | | | | | | | 华南理工大学环境与能源学院 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 环境工程 | | | | | | | | | | | | | | | | | | 教授 | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | 刘明清 | | | | | | | | | | 环保部华南环科所 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 环境工程 | | | | | | | | | | | | | | | | | | 教授级高工 | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | 张晖 | | | | | | | | | | 武汉大学资源与环境科学学院 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 环境工程 | | | | | | | | | | | | | | | | | | 教授 | | | | | | | | | | | | | | | | | | | | |
| **专家组评审意见（通讯评议请附全部专家的个人意见）** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 组长（签章）：  年 月 日 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Ⅷ举办学校审核意见** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 举办学校学位评定委员会审核意见 | | | | | | | 该专业人才培养目标明确，符合学校的定位及珠三角地区社会经济发展需要；培养计划科学合理，教学执行情况良好；重视师资队伍建设，结构较为合理，基本满足教学需要。注重教学科研管理制度建设，教学科研水平稳步提升。  经学位评定委员会评议，一致认为该专业已达到学士学位授予专业要求，特此推荐。  学位评定委员会(公章)： 主席（签章）：  年 月 日 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |









