**八、专业经典阅读书目及期刊目录**

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36. [3] Information System, INFORM SYST Information Systems, ISSN: 0306-4379
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46. [13] Statistics and Probability, Annals of Probability, ISSN: 0091-1798
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51. **培养目标与毕业要求矩阵图**

| **培养目标**  **毕业要求** | | 目标1  高尚道德品质 | 目标2  扎实基础知识 | 目标3  过硬综合能力 | 目标4  组织管理能力 | 目标5  持续自我提升 |
| --- | --- | --- | --- | --- | --- | --- |
| 毕业要求1  知识要求 | 1.1 专业知识 | M | H | M | M | M |
| 1.2 外语知识 | M | H | M | M | M |
| 1.3 人工智能、大数据知识 | M | H | M | M | M |
| 1.4 跨学科知识 | M | H | M | M | M |
| 毕业要求2  能力要求 | 2.1 数据治理与智能决策能力 | M | M | H | M | H |
| 2.2 数智素养与创新能力 | M | M | H | M | H |
| 2.3 系统思维与问题解决能力 | M | M | H | M | H |
| 2.4 跨文化沟通与团队协作能力 | M | M | H | M | H |
| 2.5 跨学科整合能力 | M | M | H | M | H |
| 毕业要求3  素质要求 | 3.1 政治素质过硬 | H | L | L | L | M |
| 3.2 道德品质良好 | H | L | L | L | M |
| 3.3 富有职业精神 | H | L | L | L | M |
| 3.4 体魄心理健康 | H | L | L | L | M |

※注：空格处填入H、M或L，其中H表示高相关性，M表示中相关性，L表示低相关性。

1. **毕业要求与课程体系矩阵图**

| **毕业**  **要求**  **课程**  **名称** | 毕业要求1  知识要求 | | | | 毕业要求2  能力要求 | | | | | 毕业要求3  素质要求 | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.1  专业知识 | 1.2  外语知识 | 1.3  人工智能、大数据知识 | 1.4  跨学科知识 | 2.1  数据治理与智能决策能力 | 2.2  数智素养与创新能力 | 2.3  系统思维与问题解决能力 | 2.4 跨文化沟通与团队协作能力 | 2.5 跨学科整合能力 | 3.1  政治素质过硬 | 3.2  道德品质良好 | 3.3  富有职业精神 | 3.4 体魄心理健康 |
| 思想道德与法治 |  |  |  |  |  |  |  |  |  | √ | √ | √ |  |
| 大学生心理健康 |  |  |  |  |  |  |  |  |  | √ | √ | √ | √ |
| 毛泽东思想和中国特色社会主义理论体系概论 |  |  |  |  |  |  |  |  |  | √ | √ | √ |  |
| 习近平新时代中国特色社会主义思想概论 |  |  |  |  |  |  |  |  |  | √ | √ | √ |  |
| 马克思主义基本原理 |  |  |  |  |  |  |  |  |  | √ | √ | √ |  |
| 形势与政策 |  |  |  |  |  |  |  |  |  | √ | √ | √ |  |
| 中国近现代史纲要 |  |  |  |  |  |  |  |  |  | √ | √ | √ |  |
| 大学英语Ⅰ |  | √ |  |  |  |  |  | √ |  |  |  | √ |  |
| 大学英语Ⅱ |  | √ |  |  |  |  |  | √ |  |  |  | √ |  |
| 应用写作 | √ |  |  |  |  |  |  | √ |  |  |  | √ |  |
| 体育I |  |  |  |  |  |  |  |  |  |  |  |  | √ |
| 体育II |  |  |  |  |  |  |  |  |  |  |  |  | √ |
| 体育III |  |  |  |  |  |  |  |  |  |  |  |  | √ |
| 体育IV |  |  |  |  |  |  |  |  |  |  |  |  | √ |
| 军事理论 |  |  |  |  |  |  |  |  |  | √ | √ | √ | √ |
| 国家安全教育 |  |  |  |  |  |  |  |  |  | √ | √ | √ | √ |
| 微积分I | √ |  |  |  |  |  | √ |  |  |  |  | √ |  |
| 微积分II | √ |  |  |  |  |  | √ |  |  |  |  | √ |  |
| 线性代数 | √ |  |  |  |  |  | √ |  |  |  |  | √ |  |
| 概率论与数理统计 | √ |  |  |  |  |  | √ |  |  |  |  | √ |  |
| 人工智能导论 |  |  | √ |  | √ | √ | √ | √ | √ |  |  | √ |  |
| 人工智能素养 |  |  | √ |  | √ | √ | √ | √ | √ |  |  | √ |  |
| 管理信息系统 | √ |  |  |  |  |  | √ | √ |  |  |  | √ |  |
| Python程序设计基础 | √ |  | √ |  |  |  | √ | √ | √ |  |  | √ |  |
| 数据治理概论 | √ |  |  |  | √ |  |  |  |  |  |  | √ |  |
| 数据道德和安全 | √ |  |  |  | √ |  |  |  |  |  |  | √ |  |
| 数据采集与处理 | √ |  | √ |  | √ |  | √ | √ | √ |  |  | √ |  |
| 数据模型设计 | √ |  | √ |  |  |  | √ | √ | √ |  |  | √ |  |
| 数据分析与可视化 | √ |  | √ |  | √ | √ | √ | √ | √ |  |  | √ |  |
| 项目管理与实践 | √ |  |  |  |  |  | √ | √ | √ |  |  | √ |  |
| 商业智能与决策分析 |  |  | √ |  | √ | √ | √ | √ | √ |  |  | √ |  |
| 管理统计学 | √ |  |  |  |  |  | √ | √ | √ |  |  | √ |  |
| 新智商业演讲力 |  | √ |  |  |  |  |  |  |  |  |  | √ |  |
| 会计学原理 |  |  |  | √ |  |  |  |  | √ |  |  | √ |  |
| 微观经济学 |  |  |  | √ |  |  |  |  | √ |  |  | √√ |  |
| 金融学 |  |  |  | √ |  |  |  |  | √ |  |  | √ |  |
| 数据库高级管理 | √ |  | √ |  |  |  | √ | √ | √ |  |  | √ |  |
| 数据治理与合规管理 | √ |  | √ |  | √ |  | √ | √ | √ |  |  | √ |  |
| 数据治理架构与组织战略 | √ |  | √ |  | √ |  | √ | √ | √ |  |  | √ |  |
| 数据评估管理 | √ |  | √ |  | √ |  | √ | √ | √ |  |  | √ |  |
| 数据仓库与商务智能应用 | √ |  | √ |  |  |  | √ | √ | √ |  |  | √ |  |
| Power BI在商业中的应用 | √ |  | √ |  | √ | √ | √ | √ | √ |  |  | √ |  |
| 数学建模与分析 | √ |  | √ |  | √ | √ | √ | √ | √ |  |  | √ |  |
| 算法应用 | √ |  | √ |  | √ | √ | √ | √ | √ |  |  | √ |  |
| 商业智能与决策支持系统 | √ |  | √ |  | √ | √ | √ | √ | √ |  |  | √ |  |
| Java程序设计基础 | √ |  |  |  |  |  | √ | √ | √ |  |  | √ |  |
| 数据产品设计与创新 | √ |  |  |  |  | √ | √ | √ | √ |  |  | √ |  |
| 行业数据应用与场景构建 | √ |  | √ |  | √ | √ | √ | √ | √ |  |  | √ |  |
| AI智能大模型应用 | √ |  | √ |  | √ | √ | √ | √ | √ |  |  | √ |  |
| 宏观经济学 |  |  |  | √ |  |  | √ |  | √ |  |  | √ |  |
| AI智能体 | √ |  | √ |  | √ | √ | √ | √ | √ |  |  | √ |  |
| 计算机网络 | √ |  |  |  |  |  | √ | √ |  |  |  | √ |  |
| 数据结构 | √ |  |  |  |  |  | √ | √ |  |  |  | √ |  |
| Web网站设计与开发 | √ |  |  |  |  | √ | √ | √ | √ |  |  | √ |  |
| 战略管理 |  |  |  | √ |  |  |  |  | √ |  |  | √ |  |
| 最优化理论 | √ |  | √ |  | √ | √ | √ | √ | √ |  |  | √ |  |
| Python Web框架开发 | √ |  |  |  |  |  | √ | √ |  |  |  | √ |  |
| 数智笔端：高级英语读写 |  | √ |  |  |  |  |  | √ |  |  |  | √ |  |
| 智语听说：高级英语听说 |  | √ |  |  |  |  |  | √ |  |  |  | √ |  |
| 机器学习 | √ |  | √ |  | √ | √ | √ | √ | √ |  |  | √ |  |
| 学术写作与研究方法 1 | √ |  |  |  |  |  |  | √ |  |  |  | √ |  |
| 学术写作与研究方法 2 | √ |  |  |  |  |  |  | √ |  |  |  | √ |  |
| 学术写作与研究方法 3 | √ |  |  |  |  |  |  | √ |  |  |  | √ |  |
| 大数据分析应用实战 | √ |  | √ |  | √ | √ | √ | √ | √ |  |  | √ |  |
| 微信小程序设计与开发 | √ |  |  |  |  | √ | √ | √ | √ |  |  | √ |  |
| 软件测试 | √ |  |  |  |  |  | √ |  | √ |  |  | √ |  |

**十一、课程修读及培养流程图**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **第一学年** | | **第二学年** | | **第三学年** | | **第四学年** | |
| **一** | **二** | **三** | **四** | **五** | **六** | **七** | **八** |

思想政治课

思想政治课

思想政治课

思想政治课

体育课

体育课

体育课

体育课

学科基础课、专业核心课

专业提升课

数学课

数学课

数学课

第二课堂、创新创业教育；通识教育选修课；专业拓展课

毕业实习或毕业设计（论文）

英语课

英语课

英语课

数智素养课

数智素养课

通识教育必修课

专业教育

辅修、双学位

中文课

辅修证书

**毕业证**

**学位证**

**毕业证**

**学位证**

**辅修证**

**双学位**