材料科学与工程专业 课程名称中英文对照 2018-2020

(Materials Science and Engineering)

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| 课程代码 | 课程名称 | 课程（英文名称） |
|
| 05401002 | 思想道德修养与法律基础 | Ideological and Moral Cultivation and Fundamentals of Law |
| 05401003 | 中国近现代史纲要 | Essentials of Modern History & Contemporary History of China |
| 05451005 | 毛泽东思想和中国特色社会主义理论体系概论 | Introduction to Mao Zedong Thought and Theoretical System of Socialism with Chinese Characteristics |
| 05401009 | 马克思主义基本原理概论 | Basic Principles of Marxism |
| 79920008  -79960008 | 形势与政策 | Political Situation & Policies |
| 05111003  -05141003 | 大学英语  （一） - （四） | College English I-IV |
| 05017001  -05047001 | 体育选项  （一） - （四） | Physical Education I-IV |
| 00303007 | 大学计算机基础 | University Computer Basis |
| 19607001 | 大学生职业发展与规划 | Undergraduate Career Development and Planning |
| 19607002 | 就业与创业指导 | Guidance on Job-hunting and Start-up |
| 05401001 | 国学经典导读 | Guidance on Reading of Sinology Classics |
| 05411101 | 文学经典鉴赏 | Literature Classics Appreciation |
| 19607003 | 创新创业导论 | Introduction to Creativity and Entrepreneurship |
| 79910010 | 大学生心理健康 | Psychological Health |
|  |  |  |
| 10503042 | 材料学概论 | Introduction to Materials |
| 05212001  -05222001 | 高等数学A  （一）—（二） | Advanced Mathematics(A)I-II |
| 00303003 | 高级语言程序设计 | Advanced Programming |
| 05322001  -05332001 | 大学物理A  （一）—（二） | College Physics(A) I-II |
| 05322002  -05332002 | 大学物理实验 （一）—（二） | Experiments of College Physics(A) I-II |
| 15202001 | 线性代数 | Linear Algebra |
| 15202005 | 概率与数理统计 | Probability and Statistics |
| 10103038 | 工程图学C | Engineering Graphics C |
| 10503044 | 无机化学 | Inorganic Chemistry |
| 10503047 | 无机化学实验 | Inorganic Chemistry Experiment |
| 10103051 | 机械设计基础 | Fundamentals of Machinery Design |
| 10502031 | 有机化学 | Organic Chemistry |
| 10502040 | 有机化学实验 | Organic Chemistry  Experiment |
| 10502039 | 物理化学A | Physical Chemistry A |
| 10502026 | 物理化学B | Physical Chemistry B |
| 10503046 | 物理化学实验 | Physical Chemistry Experiment |
|  |  |  |
| 20503107 | 材料科学基础 | Fundamentals of Materials Science |
| 20503110 | 材料科学基础实验 | Fundamentals Experiments on Materials Science |
| 20503111 | 材料工程基础 | Fundamentals of Materials Engineering |
| 20503201 | 固体物理基础 | Solid State Physics |
| 20503112 | 材料研究与测试方法 | Methods of Materials Research and Testing |
| 20503113 | 材料研究与  测试方法实验 | Experiments on Testing Techniques of Materials |
| 20503114 | 材料化学 | Materials Chemistry |
| 20503115 | 材料物理 | Materials Physics |
| 20203061 | 电工与电子技术（A） | Electrical and  Electronic Engineering(A) |
| 20503116 | 材料加工工艺  与设备 | Gelatin Materials Technology & Equipment |
| 20503117 | 材料的结构与性能 | Structure and Properties of Materials |
| 20503118 | 计算材料学与  材料基因组 | Computational Materials Science and Materials Genome |
|  |  |  |
| 20503305 | 高分子材料 | Polymer Materials |
| 20503314 | 高分子合成 | Polymer Synthesis |
| 20503312 | 高分子成型加工 | Polymer Molding Processing |
| 30503313 | 高聚物改性原理 | Polymer Modified Principle |
| 30503315 | 橡胶工艺学 | Rubber Manufacturing Processing |
| 20503108 | 材料力学 | Materials Mechanics |
| 30503126 | 生产管理 | Production Management |
| 30103306 | 机电一体化 | Mechatronic System |
| 30503306 | 纳米与薄膜材料 | Nano and Film Materials |
| 30503303 | 材料英语 | Technical English in Materials Science |
| 30503300 | 环境材料 | Environment Materials |
| 30503118 | 复合材料 | Composite Materials |
| 30503122 | 无机非金属材料 | Inorganic Non-metallic Materials |
| 30503201 | 材料表面工程 | Surfaces Engineering of Materials |
| 30503126 | 人工智能材料设计 | Artificial Intelligence Design of Materials |
| 30503302 | 科技文献检索 | Retrieval Methods of Scientific Database |
| 30503114 | 材料科学进展 | Materials Science Progress |
|  |  |  |
| 50133125  -50153125 | 金工实习Ⅰ、Ⅱ | Metalworking Practice  Ⅰ、Ⅱ |
| 50103409 | 机械设计基础  课程设计 | Practice of Fundamentals of Mechanical Design |
| 50503109 | 工程设计训练 | Introduction to Engineering Design |
| 50503102 | 生产实习 | Practice of Specialty |
| 50203060 | 电子实训 | Electronic Training |
| 50503318 | 材料制备与物性分析综合实验 | Comprehensive Training of Materials Preparing & Physical Properties Analysis |
| 59900001-  59900002 | 创新创业实践(一)(二) | Innovation and Venture Practice I-II |
| 50504104 | 高分子成型加工实训 | Training of Polymer Molding Processing |
| 50503107 | 毕业实习 | Internship |
| 50103111 | 毕业设计 | Graduation Thesis Design |
| 79900001 | 入学教育 | Entrance Education |
| 79900002 | 军事理论与训练 | Military Theory and Training |
| 79900007 | 社会实践 | Social Practice |
| 79900006 | 毕业教育 | Graduating Education |

新能源材料与器件专业 课程名称中英文对照 2018-2020

(New Energy Materials and Devices)

|  |  |  |
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| 课程代码 | 课程名称 | 课程（英文名称） |
|
| 05401002 | 思想道德修养与法律基础 | Ideological and Moral Cultivation and Fundamentals of Law |
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| 05401009 | 马克思主义基本原理概论 | Basic Principles of Marxism |
| 79920008  -79960008 | 形势与政策 | Political Situation & Policies |
| 05111003  -05141003 | 大学英语  （一） - （四） | College English I-IV |
| 05017001  -05047001 | 体育选项  （一） - （四） | Physical Education I-IV |
| 00303007 | 大学计算机基础 | University Computer Basis |
| 19607001 | 大学生职业发展与规划 | Undergraduate Career Development and Planning |
| 19607002 | 就业与创业指导 | Guidance on Job-hunting and Start-up |
| 05401001 | 国学经典导读 | Guidance on Reading of Sinology Classics |
| 05411101 | 文学经典鉴赏 | Literature Classics Appreciation |
| 19607003 | 创新创业导论 | Introduction to Creativity and Entrepreneurship |
| 79910010 | 大学生心理健康 | Psychological Health |
|  |  |  |
| 10503601 | 新能源材料概论 | Introduction of New Energy Materials |
| 05212001  -05222001 | 高等数学A  （一）—（二） | Advanced Mathematics(A)I-II |
| 00303003 | 高级语言程序设计 | Advanced Programming |
| 05322001  -05332001 | 大学物理A  （一）—（二） | College Physics(A) I-II |
| 05322002  -05332002 | 大学物理实验 （一）—（二） | Experiments of College Physics(A) I-II |
| 15202001 | 线性代数 | Linear Algebra |
| 15202005 | 概率与数理统计 | Probability and Statistics |
| 10103038 | 工程图学C | Engineering Graphics C |
| 10503044 | 无机化学 | Inorganic Chemistry |
| 10503047 | 无机化学实验 | Inorganic Chemistry Experiment |
| 10103051 | 机械设计基础 | Fundamentals of Machinery Design |
| 10502031 | 有机化学 | Organic Chemistry |
| 10502040 | 有机化学实验 | Organic Chemistry  Experiment |
| 10502039 | 物理化学A | Physical Chemistry A |
| 10502026 | 物理化学B | Physical Chemistry B |
| 10503046 | 物理化学实验 | Physical Chemistry Experiment |
|  |  |  |
| 20503107 | 材料科学基础 | Fundamentals of Materials Science |
| 20503110 | 材料科学基础实验 | Fundamentals Experiments on Materials Science |
| 20503111 | 材料工程基础 | Fundamentals of Materials Engineering |
| 20503201 | 固体物理基础 | Solid State Physics |
| 20503112 | 材料研究与测试方法 | Methods of Materials Research and Testing |
| 20503113 | 材料研究与  测试方法实验 | Experiments on Testing Techniques of Materials |
| 20503202 | 电化学 | Electrochemistry |
| 20503601 | 新能源材料与器件 | New Energy Materials and Devices |
| 20503303 | 锂离子电池材料与器件 | Lithium Ion Battery Materials and Devices |
| 20203061 | 电工与电子技术（A） | Electrical and  Electronic Engineering(A) |
| 20503302 | 太阳能电池材料与器件 | Solar Cell Materials and Devices |
|  |  |  |
| 30503120 | 半导体材料与器件 | Semiconductor Materials and Devices |
| 30503104 | 燃料电池材料 | Fuel Cell Materials |
| 30503103 | 薄膜太阳能电池 | Thin Film Solar Cells |
| 30503105 | 发光二极管材料及器件 | Light Emitting Diode Materials and Devices |
| 30503004 | 材料力学 | Materials Mechanics |
| 30503005 | 生产管理 | Production Management |
| 30103306 | 机电一体化 | Mechatronic System |
| 30503306 | 纳米与薄膜材料 | Nano and Film Materials |
| 30503303 | 材料英语 | Technical English in Materials Science |
| 30503300 | 环境材料 | Environment Materials |
| 30503118 | 复合材料 | Composite Materials |
| 30503122 | 无机非金属材料 | Inorganic Non-metallic Materials |
| 30503201 | 材料表面工程 | Surfaces Engineering of Materials |
| 30503126 | 人工智能材料设计 | Artificial Intelligence Design of Materials |
| 30503302 | 科技文献检索 | Retrieval Methods of Scientific Database |
| 30503114 | 材料科学进展 | Materials Science Progress |
|  |  |  |
| 50133125  -50153125 | 金工实习Ⅰ、Ⅱ | Metalworking Practice  Ⅰ、Ⅱ |
| 50503001 | 工程设计训练 | Introduction to Engineering Design |
| 50503102 | 生产实习 | Practice of Specialty |
| 50503601 | 锂离子电池制备及工艺 | Li-ion Battery Preparation and technology |
| 50203060 | 电子实训 | Electronic Training |
| 50503602 | 太阳能电池制备及工艺 | Solar Cell Preparation and technology |
| 50503603 | 太阳能光伏系统  设计 | Solar Cell Photovoltaic System Design |
| 50503103 | 毕业实习 | Internship |
| 50103111 | 毕业设计 | Graduation Thesis Design |
| 59900001-  59900002 | 创新创业实践(一)(二) | Innovation and Venture Practice I-II |
| 79900001 | 入学教育 | Entrance Education |
| 79900002 | 军事理论与训练 | Military Theory and Training |
| 79900007 | 社会实践 | Social Practice |
| 79900006 | 毕业教育 | Graduating Education |