材料科学与工程专业 课程名称中英文对照 2021-2022

(Materials Science and Engineering)

|  |  |  |
| --- | --- | --- |
| 课程代码 | 课程名称 | 课程（英文名称） |
|
| B00811001 | 思想道德修养与法律基础 | Ideological & Moral Cultivation and Fundamentals of Law |
| B00811004 | 中国近现代史纲要 | Essentials of Modern History History of China |
| B00811002 | 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 the Theoretical System of Socialism with Chinese Characteristics |
| B00811003 | 马克思主义基本原理概论 | Principles of Marxism |
| B00811005-B00811012 | 形势与政策(一)-(八) | Situation and Policy (I)-(VIII) |
| B00921002 | 国学经典导读(二） | Reading Guidance on the Classics of Ancient Chinese Civilization （II） |
| B00921003 | 文学鉴赏 | Literary Appreciation |
| B00921001 | 国学经典导读(一） | Reading Guidance on the Classics of Ancient Chinese Civilization （I） |
| B00921004 | 西方文明史 | History of Western Civilization |
| B00921006 | 写作与交流 | Writing and Communication |
| B00921011 | 艺术与审美 | Art and Aesthetics |
| B00921012 | 大学生心理健康 | Mental Health of College Students |
| B00921005 | 逻辑与批判思维 | Logic and Critical Thinking |
| B00921013 | 经济学概论 | Introduction to Economics |
| B00921014 | 管理学概论 | Introduction to Industrial Production Management |
| B00921015 | 生命科学概论 | Introduction to Life science |
| B00921010 | 军事理论 | Military Theory |
| B00717001-B00717004 | 大学英语 （一） - （四） | College English (I)-(IV) |
| B09500001-B09500004 | 体育选项 （一） - （四） | Physical Education (I)-(IV) |
| B00921007 | 创新创业基础 | Careers and Entrepreneurship Guidance |
| B00921008 | 生涯发展与就业指导 | Career Development and Employment Guidance |
| B00228002 | 高级语言程序设计 | Advanced Programming  |
|  |  |  |
| B00621006 | 线性代数（理工类）A  | Linear Algebra (Science and Engineering) A |
| B00621001-B00621002 | 高等数学(A) （一）-（二） | Advanced Mathematics A (I)-(II) |
| B00622001-B00622002 | 大学物理(A) （一）-（二） | College Physics A (I)-(II) |
| B10622003-B10622004 | 大学物理实验(A) （一）-（二） | College physics experiment A (I)-(II) |
| B00621010 | 概率与数理统计（理工类）A | Probability and mathematical statistics (Science and Engineering) A |
| B10100052 | 工程图学与CAD | Engineering Graphics and CAD |
| B10100053 | 电工与电子技术（A） | Electrical and Electronic Engineering(A) |
| B10100054 | 材料力学 | Materials Mechanics |
| B10100055 | 基础化学 | Inorganic Chemistry |
| B10100056 | 基础化学实验 | Inorganic Chemistry Experiment |
| B10100057 | 机械设计基础B | Fundamentals of Machinery Design B |
|  |  |  |
| B10114010 | 材料科学与工程导论 | Introduction to Materials Science and Engineering |
| B10100058 | 物理化学 | Physical Chemistry |
| B10100059 | 物理化学实验 | Physical Chemistry Experiment |
| B10100060 | 固体物理基础 | Solid State Physics |
| B10100061 | 材料科学基础 | Fundamentals of Materials Science |
| B10100062 | 材料科学基础实验 | Fundamentals Experiments on Materials Science |
| B10100063 | 材料研究与测试方法 | Methods of Materials Research and Testing |
| B10100064 | 材料研究与测试方法实验 | Experiments on Testing Techniques of Materials |
|  |  |  |
| B10100065 | 材料物理 | Materials Physics |
| B10100066 | 材料化学 | Materials Chemistry |
| B10100067 | 材料工程基础 | Fundamentals of Materials Engineering |
| B10100068 | 材料的结构与性能 | Structure and Properties of Materials |
| B10100069 | 材料加工工艺与设备 | Gelatin Materials Technology & Equipment |
| B10114001 | 有机化学 | Organic Chemistry |
| B10114002 | 高分子化学与物理实验 | Experiment of Polymer Chemistry and Physics  |
| B10114003 | 高分子化学与物理 | Chemistry and Physics of Polymer Materials |
| B10114004 | 高分子合成 | Polymer Synthesis |
| B10114005 | 高分子成型加工 | Polymer Molding Processing |
| B10100032 | 新材料概论 | Introduction to New Materials |
| B10114006 | 高分子材料 | Polymer Materials |
| B10100070 | 环境材料 | Environment Materials |
| B10100071 | 计算材料学与材料基因组 | Computational Materials Science and Materials Genome |
| B10114007 | 纳米与薄膜材料 | Nano and Thin Film Materials |
| B10100072 | 塑料模具设计 | Plastic Molding Process and Mold Design |
| B10100073 | 无机非金属材料 | Inorganic Non-metallic Materials |
| B10100074 | 材料英语 | Technical English in Materials Science |
| B10100075 | 复合材料 | Composite Materials |
| B10114008 | 高聚物改性原理 | Polymer Modified Principle |
| B10114009 | 橡胶工艺学 | Rubber Manufacturing Processing |
| B10100076 | 科技文献检索 | Retrieval Methods of Scientific Database |
| B10100077 | 材料科学进展 | Materials Science Progress |
| B10116007 | 增材制造技术 | Additive Manufacturing |
| B10100027 | 智能制造技术 | Intelligent Manufacturing Technology |
| B10100021 | 电气控制与PLC技术 | Electrical control and PLC Technology |
| B10100031 | 人工智能与应用 | AI and Its Application in Electrical Engineering |
|  |  |  |
| B20100001 | 金工实习Ⅱ | Metalworking Practice Ⅱ |
| B20100010 | 机械设计基础课程设计 | Practice of Fundamentals of Mechanical Design |
| B20100014 | 工程设计训练 | Introduction to Engineering Design |
| B20100005 | 电子实训 | Electronic Training |
| B20100012 | 生产实习 | Production Practice |
| B20114001 | 材料制备与物性分析综合实验 | Comprehensive Training of Materials Preparing & Physical Properties Analysis |
| B20100015 | 3D打印课程设计 | 3D Printing Courses |
| B20114002 | 材料成型加工实验 | Training of Polymer Molding Processing |
| B29800002 | 劳动教育 | Labor Education |
| B20100007 | 毕业实习 | Professional Practice |
| B20100008 | 毕业论文（设计） | Graduation Thesis ( Project) |
| B29900001 | 入学教育○ | Entrance Education |
| B29800001 | 军事技能○ | Military Skills |
| B29900002 | 毕业教育○ | Graduation Education |
| B20100009 | 社会实践▲ | Social Practice |
| B29200001-B29200002 | 创新创业实践 （一）（二）□ | Innovation and Entrepreneurship Practice (I)-(II) |
| B29800003-B29800008 | 素质拓展 （一）（六）○ | Quality Development (I)- (VI) |

新能源材料与器件专业 课程名称中英文对照 2021-2022

(New Energy Materials and Devices)

|  |  |  |
| --- | --- | --- |
| 课程代码 | 课程名称 | 课程（英文名称） |
|
| B00811001 | 思想道德修养与法律基础 | Ideological & Moral Cultivation and Fundamentals of Law |
| B00811004 | 中国近现代史纲要 | Essentials of Modern History of China |
| B00811002 | 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 the Theoretical System of Socialism with Chinese Characteristics |
| B00811003 | 马克思主义基本原理概论 | Principles of Marxism |
| B00811005-B00811012 | 形势与政策(一)-(八) | Situation and Policy (I)-(VIII) |
| B00921002 | 国学经典导读(二） | Reading Guidance on the Classics of Ancient Chinese Civilization （II） |
| B00921003 | 文学鉴赏 | Literary Appreciation |
| B00921001 | 国学经典导读(一） | Reading Guidance on the Classics of Ancient Chinese Civilization （I） |
| B00921004 | 西方文明史 | History of Western civilization |
| B00921006 | 写作与交流 | Writing and Communication |
| B00921011 | 艺术与审美 | Art and Aesthetics |
| B00921012 | 大学生心理健康 | Mental Health of College Students |
| B00921005 | 逻辑与批判思维 | Logic and Critical Thinking |
| B00921013 | 经济学概论 | Introduction to Economics |
| B00921014 | 管理学概论 | Introduction to Management Science |
| B00921015 | 生命科学概论 | Introduction to Life Science |
| B00921010 | 军事理论 | Military Theory |
| B00717001-B00717004 | 大学英语 （一） - （四） | College English (I)-(IV) |
| B09500001-B09500004 | 体育选项 （一） - （四） | Physical Education (I)-(IV) |
| B00921007 | 创新创业基础 | Careers and Entrepreneurship Guidance |
| B00921008 | 生涯发展与就业指导 | Career Development and Employment Guidance |
| B00228002 | 高级语言程序设计 | Advanced Programming  |
|  |  |  |
| B00621006 | 线性代数（理工类）A  | Linear Algebra (Science and Engineering) A |
| B00621001-B00621002 | 高等数学(A) （一）-（二） | Advanced Mathematics A (I)-(II) |
| B00622001-B00622002 | 大学物理(A) （一）-（二） | College Physics A (I)-(II) |
| B10622001-B10622002 | 大学物理实验(A) （一）-（二） | College physics experiment A (I)-(II) |
| B00621010 | 概率与数理统计 （理工类）A | Probability and Mathematical Statistics (Science and Engineering) A |
| B10100052 | 工程图学与CAD | Engineering Graphics and CAD |
| B10100053 | 电工与电子技术（A） | Electrical and Electronic Engineering(A) |
| B10100054 | 材料力学 | Materials Mechanics |
| B10100055 | 基础化学 | Inorganic Chemistry |
| B10100056 | 基础化学实验 | Inorganic Chemistry Experiment |
| B10100057 | 机械设计基础 B | Fundamentals of Machinery Design B |
|  |  |  |
| B10115010 | 新能源材料与器件导论 | Introduction to New Energy Materials and Devices |
| B10100058 | 物理化学 | Physical Chemistry |
| B10100059 | 物理化学实验 | Physical Chemistry Experiment |
| B10100060 | 固体物理基础 | Solid State Physics |
| B10100061 | 材料科学基础 | Fundamentals of Materials Science |
| B10100062 | 材料科学基础实验 | Fundamentals Experiments on Materials Science |
| B10100063 | 材料研究与测试方法 | Methods of Materials Research and Testing |
| B10100064 | 材料研究与测试方法实验 | Experiments on Testing Techniques of Materials |
|  |  |  |
| B10100065 | 材料物理 | Materials Physics |
| B10100066 | 材料化学 | Materials Chemistry |
| B10100067 | 材料工程基础 | Fundamentals of Materials Engineering |
| B10100068 | 材料的结构与性能 | Structure and Properties of Materials |
| B10100069 | 材料加工工艺与设备 | Gelatin Materials Technology & Equipment |
| B10115001 | 电化学 | Electrochemistry |
| B10115002 | 电化学实验 | Electrochemistry Experiment |
| B10115003 | 新能源材料与器件 | New Energy Materials and Devices |
| B10115004 | 锂离子电池材料与器件 | Lithium Ion Battery Materials and Devices |
| B10115005 | 太阳能电池材料与器件 | Solar Cell Materials and Devices |
| 　B10100032 | 新材料概论 | Introduction to New Materials |
| B10115006 | 半导体材料与器件 | Semiconductor Materials and Devices |
| B10100070 | 环境材料 | Environment Materials |
| B10100071 | 计算材料学与材料基因组 | Computational Materials Science and Materials Genome |
| B10115007 | 燃料电池材料 | Fuel Cell Materials |
| B10115008 | 薄膜太阳能电池 | Thin Film Solar Cells |
| B10114007 | 纳米与薄膜材料 | Nano and Thin Film Materials |
| B10100074 | 材料英语 | Technical English in Materials Science |
| B10100075 | 复合材料 | Composite Materials |
| B10115009 | 发光二极管材料及器件 | Light Emitting Diode Materials and Devices |
| B10100073 | 无机非金属材料 | Inorganic Non-metallic Materials |
| B10100076 | 科技文献检索 | Retrieval Methods of Scientific Database |
| B10100077 | 材料科学进展 | Materials Science Progress |
| B10100027 | 智能制造技术 | Intelligent Manufacturing Technology |
| B10100021 | 电气控制与PLC技术 | Electrical Control and PLC Technology |
| B10100031 | 人工智能与应用 | AI and Its Application in Electrical Engineering |
| B10116007 | 增材制造技术 | Additive Manufacturing |
|  |  |  |
| B20100001 | 金工实习Ⅱ | Metalworking Practice Ⅱ |
| B20100010 | 机械设计基础课程设计 | Practice of Fundamentals of Mechanical Design |
| B20100014 | 工程设计训练 | Introduction to Engineering Design |
| B20100005 | 电子实训 | Electronic Training |
| B20100012 | 生产实习 | Production Practice |
| B20115001 | 锂离子电池制备及工艺 | Li-ion Battery Preparation and technology |
| B20100015 | 3D打印课程设计 | 3D printing courses |
| B20115002 | 太阳能电池制备及工艺 | Solar Cell Preparation and technology |
| B29800002 | 劳动教育 | Labor Education |
| B20100007 | 毕业实习 | Professional Practice |
| B20100008 | 毕业论文（设计） | Graduation Thesis ( Project) |
| B29900001 | 入学教育○ | Entrance education |
| B29800001 | 军事技能○ | Military Skills |
| B29900002 | 毕业教育○ | Graduation Education |
| 　B20100009 | 社会实践▲ | Social Practice |
| B29200001-B29200002 | 创新创业实践 （一）（二）□ | Innovation and Entrepreneurship practice (I)-(II) |
| B29800003-B29800008 | 素质拓展 （一）（六）○ | Quality Development (I)- (VI) |