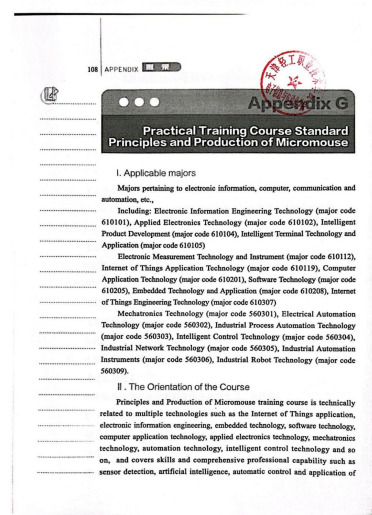
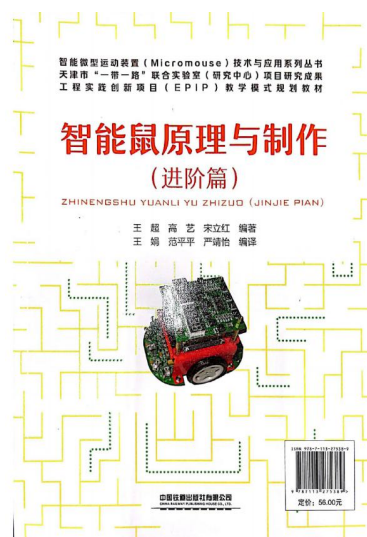
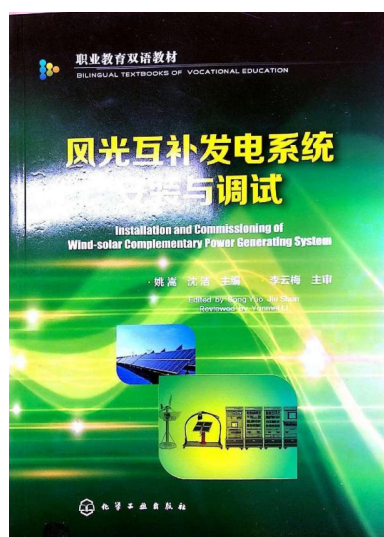


部分成果展示

- 4 -

序号	专业名称	牵头院校	配合院校	专业大类(门类)
38	工业机器人技术	天津机电职业技术学院	天津现代职业技术学院	装备制造大类
39	机械设计与制造	天津机电职业技术学院	天津轻工职业技术学院	装备制造大类
40	机械制图与CAD	天津机电职业技术学院	天津轻工职业技术学院	装备制造大类
41	机械的测绘与导航	天津海滨职业学院		装备制造大类
42	制冷与空调技术	天津海滨职业学院		装备制造大类
43	制冷与冷藏技术	天津机电职业技术学院	天津现代职业技术学院	装备制造大类
44	机电一体化技术	天津渤海职业技术学院	天津现代职业技术学院 天津中德职业技术学院 天津轻工职业技术学院	装备制造大类
45	数控技术	天津渤海职业技术学院	天津轻工职业技术学院	装备制造大类
46	数控设备应用与维护	天津渤海职业技术学院	天津机电职业技术学院	装备制造大类
47	数控设备装调技术	天津渤海职业技术学院	天津机电职业技术学院	装备制造大类
48	机械评价与管理 售后服务	天津现代职业技术学院		装备制造大类与大类
49	安全技术与管理	天津渤海职业技术学院		装备制造与安全大类
50	电气运行技术	天津职业大学		第二级材料大类
五、财经商贸类 (6)				
1	国际商务与营销	天津第一商业学校		财经商贸大类
2	市场营销	天津第一商业学校		财经商贸大类
3	电子商务	天津市经济贸易学校		财经商贸大类
4	电子商务与营销	天津市东丽区职训中心	天津市机电工业学校	交通商贸大类
5	市场营销	天津市红桥区职业技术教育中心		商贸与公共类
6	市场营销	天津市红桥区职业技术教育中心		商贸与公共类



Curriculum Standard of Photovoltaic and Wind Complementary Power Generation Technology

I. Applicable Major

New energy related majors such as photovoltaic power generation technology and application, wind power generation equipment and power grid automation and energy-saving engineering technology, etc.

II. Character of the Curriculum

The curriculum of Photovoltaic and Wind Complementary Power Generation Technology is a kind of professional training course for photovoltaic power generation technology and application, and wind power generation equipment and power grid automation. In the training, students mainly studies the equipment composition and control principle of the photovoltaic and wind complementary power generation system, can master the basic electrical design methods and complete the system electrical design, can complete the preparation of the system control program and can complete the installation and electrical wiring of the equipment in the system.

The teaching content of this course is designed taking the work process as the guide, the typical work tasks as the base and integrating the operational skills and professionalism as one. Through completing a professional study, students can develop comprehensive skills such as teamwork, communication, work responsibility, professional ethics and norms, so that students can master the skills and related professional knowledge required for the job through the learning process.

This course is offered in the first semester of the second year. The predecessor courses are PLC Application Technology and Power Electronics Technology. The follow-up courses are Practical Converter Control Technology and The Principle of Wind Power Generation.

III. Reference Academic Hour

52 academic hours

Level II Training Program of Wind Power Generation Technology

(Applicable to Egypt Luban Workshop)

I. Training Time: 120 Class Hours

II. Training Project

Project I Electrical Foundation and Wiring

[Project Description]

On the basis of understanding the functions of various electrical components, connect the wires of each part of the system, and draw the corresponding circuit diagram.

(Computers for teaching personnel are required and install the drawing software required by the system)

[Project Objective]

Be able to complete the wiring of large-scale wind power generation system and draw the circuit diagram of the system.

Project II Design of Electrical and Electronic and Power Electronics Parts

[Project Description]

The concept, characteristics and application system of power electronic devices in large-scale wind power generation system. Master the function and using method of off-grid inverter; master the working principle of off-grid inverter.

