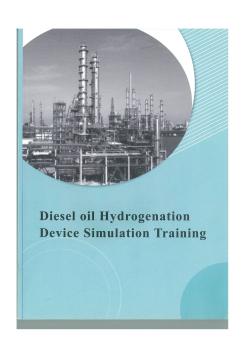
# 二、教学资源

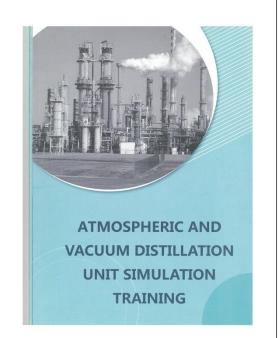
# (一) 自编英文讲义

表 1. 部分自编英文讲义

# PLOS 反应精馏及中试装置实训 柴油加氢半实物仿真实训 PLOS Reaction Distillation and Pilot Plant Training SIMULATION TRAINING 常减压蒸馏仿真实训

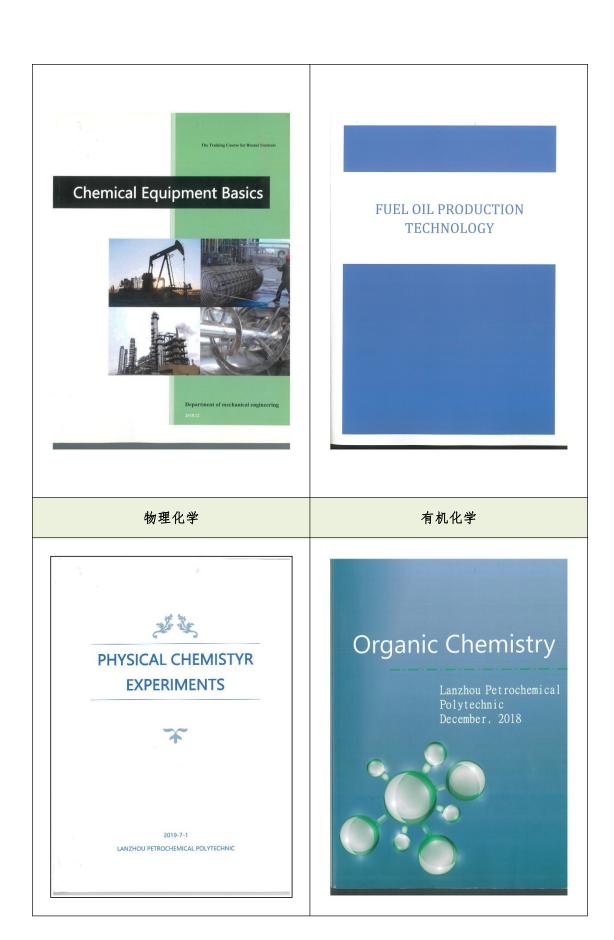


化工设备基础



燃料油生产技术

# 化工安全实训 Chemical Safety Training Practical training of chemical engineering principle operation Zhao Fang (私等) Xang Xinochen((水(・)等) Zhao Tang (集中) Zhe Lin (利押) Yani Line (物用級) QinSai ((番肉)

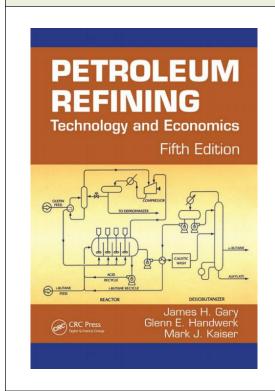


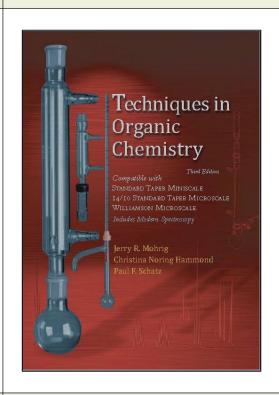
(二) 引进国外教材及双语教材

表 2. 引进国外教材及双语教材

### 石油炼制技术

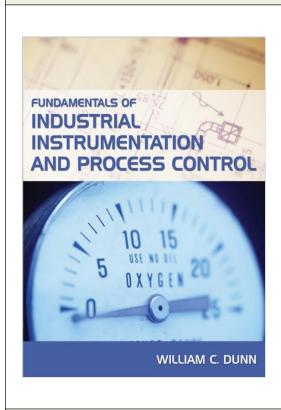
### 有机化学实验

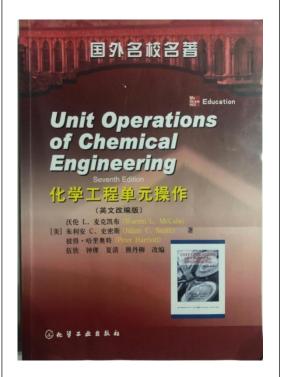




### 工业仪表和过程控制

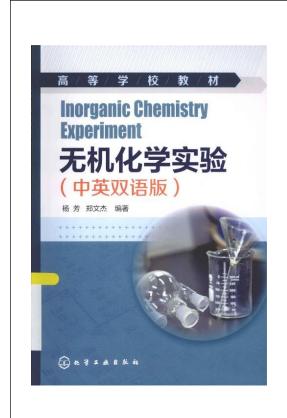
化学工程单元操作

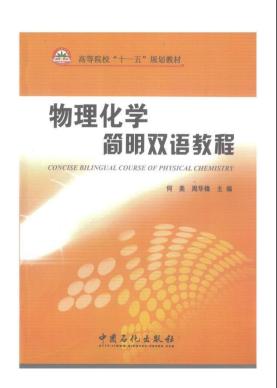




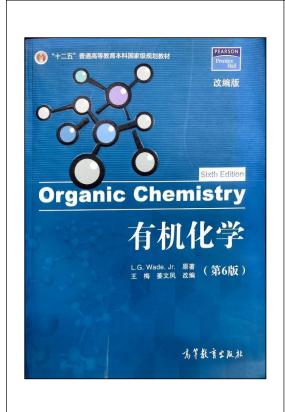
无机化学实验

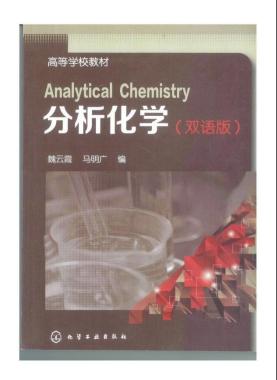
物理化学





有机化学 分析化学

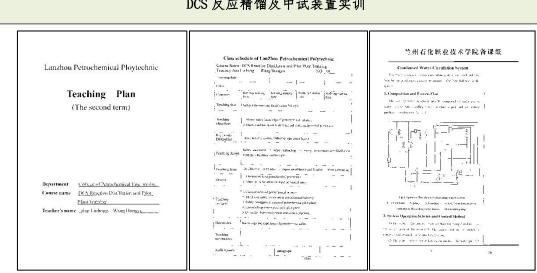




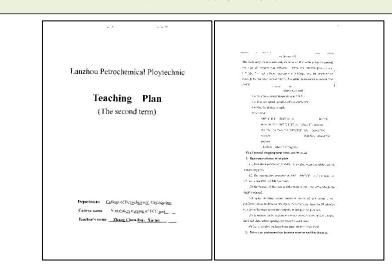
# (三)教案

### 表 3. 部分授课教案节选

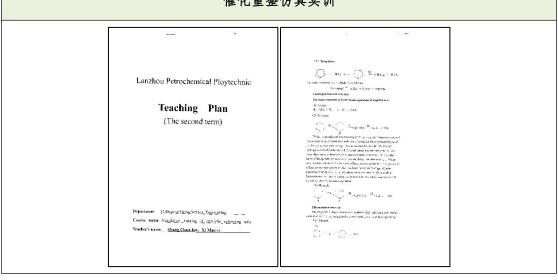
### DCS 反应精馏及中试装置实训



### 催化裂化仿真实训教案



### 催化重整仿真实训



### 分析化学实验

Lanzhou Petrochemical Ploytechnic

Teaching Plan



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# 燃料油生产技术

Lanzhou Petrochemical Ploytechnic

Teaching Plan (The first term)

学研有化興业技术学院管课纸 All fellowy Configurations and Categories

Li fellowy Configurations and Categories

It is noted to classify refracts by doin process as copy with the common and categories and configuration of administration of the common and services are granted configuration of administration of the common and processed of suppose (Charles) and the common and t

### 石油产品分析实训

Lanzhou Petrochemical Ploytechnic

Teaching Plan

 Consideration of fundamental fields per large states and a fundamental field p

— Determination of density of periodeum and liquid periodeum products (densificancity)

[See points]

\*\*Confidence\*\*

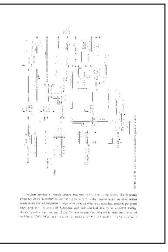
The density of periodeum confidence in a control of periodeum periodeum periodeum periodeum confidence in a control of periodeum periodeum

### 石油及产品概论

Lanzhou Petrochemical Polytechnic

# Teaching Plan

(The first term)



### 无机化学实验

### Lanzhou Petrochemical Technical College



### Teaching Plan

(The first term)

Course name Experiment of inorganic chemistry
Teacher's name Angl Wang, Xinjic Zhang

Chairs selection of nativation retractionment projections for extraction of programs along the control of the c table 154

Ladin oblides

6.5%

2.5. South to be according to propose the state of opporation of opporation of opporation of opporation opporation opporation of opporation opporation

In received legal considerated and the merger to the demonstration and the second of Station and Society. Energy and Additional Control oppositions

### 兰州石化职业技术学院备课纸







### 原油蒸馏装置实训

Lanzhou Petrochemical Ploytechnic

### Teaching Plan

(The first term)

Department College of <u>Potrochemical Projincering</u>

Course name , <u>Coule Oil Disti</u>llation Unit Training Teacher's name Sa Xuehua , Ma Ya

### 兰州石化职业技术学院备课纸

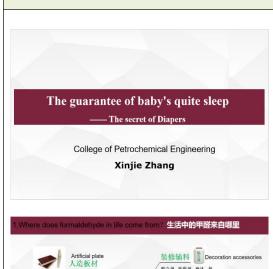
Project 5 Authorphoric and Vince time Unide Distillation Units in Patriciant Colincies

Control of the Contro

### 表 4. 部分多媒体课件节选



### 身边的化学

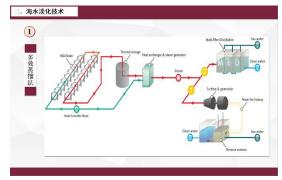


Paint wallpape 涂料墙纸

贴墙布、墙纸、油漆 和涂料等

是气烟雾/ 如中期等、形化、赤雀等

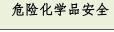




纺织品类 Textile category

化纤μ像、窗帘、印在布料 生活用品

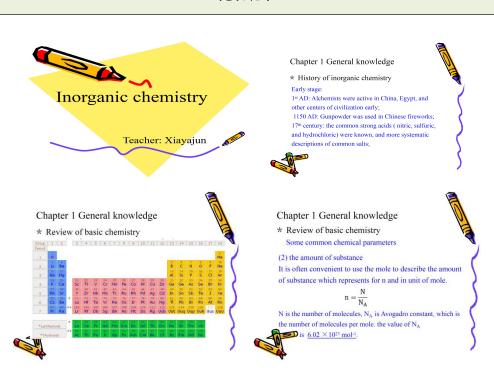
化妆品、清洁剂、杀虫 剂、酒毒剂、印刷油墨 、纸套等



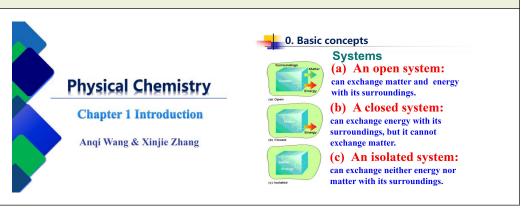


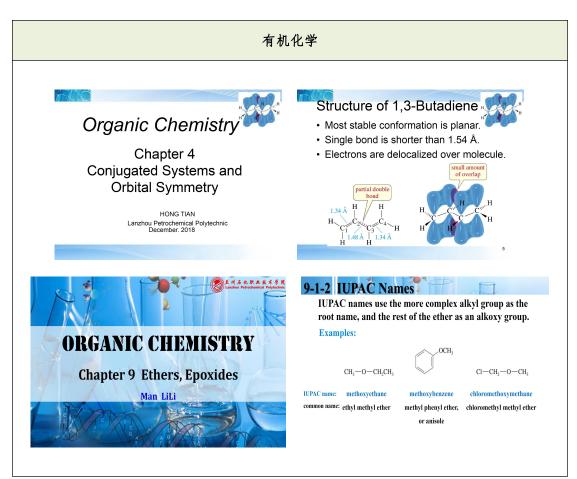


### 无机化学



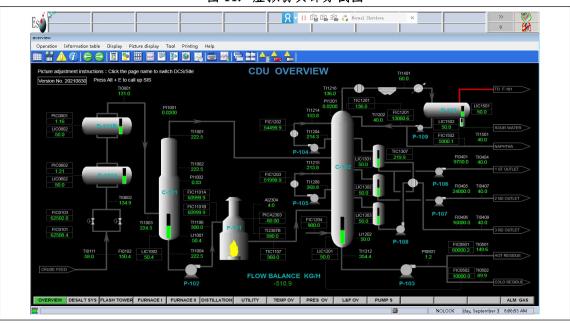
### 物理化学

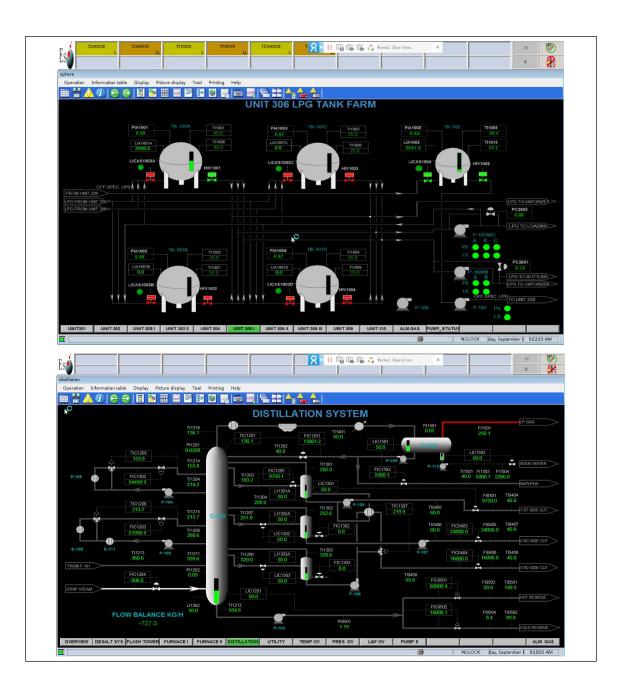




### (五) 虚拟仿真

### 图 11. 虚拟仿真部分截图





### (六) 数字化课程资源

图 12. 数字化课程资源

