

2 Chgs

(12)

SENATE CURRICULUM COMMITTEE  
MINOR CURRICULAR CHANGE FORM

PROPOSAL TITLE: Order reversal of Separation Processes and Chemical Process Component Design

X UNDERGRADUATE      \_\_\_ GRADUATE      \_\_\_ CREDIT HOURS

SPONSOR(S): Dr. C. Stewart Slater  
DEPARTMENT: Chemical Engineering  
TELEPHONE: X4361

CHECK:

\_\_\_ CHANGES IN APPROVED MINORS, SPECIALIZATIONS, CONCENTRATIONS

\_\_\_ CATALOG DESCRIPTIONS, TITLES, AND/OR PREREQUISITES

X SMALL CHANGES IN COURSE CONTENT OF EXISTING COURSES WHICH DO NOT SUBSTANTIALLY VARY THE CURRICULUM

X CHANGES IN HEGIS NUMBER

STEP #1 (DEPARTMENT)

Date Approved: 1/30/98

\_\_\_ NOT Approved: \_\_\_\_\_

R. Hesketh 1/30/98  
Dept. Curriculum Chairperson signature/date

[Signature] 1/30/98  
Dept. Chairperson signature/date

STEP #2 (COLLEGE)

Recommend To Approve/date: 1/30/98

Recommend NOT To Approve/date: \_\_\_\_\_

Comments: \_\_\_\_\_

Robert P. Hesketh 1/30/98  
College Curriculum Chairperson Signature /date

STEP #3 (ACADEMIC DEAN)

Recommended

NOT Recommended \_\_\_\_\_

[Signature] 2/2/98  
Dean of College Signature/date

STEP #4 (CURRICULUM COMMITTEE)

SCC# 9798.236      CH 3/3/98  
SEN 3/3/98

APPROVED:

NOT APPROVED: \_\_\_\_\_

[Signature] 3/3/98  
Curriculum Committee Chairperson Signature/date

STEP #5 EXECUTIVE VP/PROVOST

Approved

NOT Approved \_\_\_\_\_

[Signature] - 4/14/98  
Signature /Date

REGISTRARS SIGNATURE/DATE: [Signature] 7-21-98

## *Minor Change*

### **1. Details:**

- a) Change:** Reverse the time that Separation Processes (0906.401) and Chemical Process Component Design (0906.314) are taught. Change the courses HEGIS numbers to reflect the change.

#### **Current**

Separation Processes, 4 s.h., (0906.401), Senior year, Fall semester  
Chemical Process Component Design, 4 s.h., (0906.314), Junior year, Spring semester

#### **New**

Separation Processes, 4 s.h., to Junior year - Spring semester  
Renumber to 0906.314

Chemical Process Component Design, 4 s.h., to Senior year - Fall semester  
Renumber to 0906.401

Note: this is effectively swapping the time the two courses are taught and their HEGIS numbers.

- b) Sponsor:** Dr. C. Stewart Slater, and Department of Chemical Engineering Curriculum Committee
- c) Credit Hours:** 4 semester hours
- d) Course Level:** Undergraduate
- e) Curricular Effect:** Requirement for Chemical Engineering students
- g) Suggested Time/** Spring 1999
- Scale of Implementation:** 1 section
- h) Resources:** No additional resources will be needed for this minor change

### **2. Rationale:**

The proposed change is consistent with the on-going assessment and review of the College of Engineering's programs of study. In November 1997 Dr. Slater attended the Educational sessions and ABET/AIChE Accreditation workshops at the American Institute of Chemical Engineers (AIChE) Annual Meeting. In December 1997, the Department engaged Dr. Ralph Buonopane of Northeastern University as an ABET consultant. At both these cases our curriculum was discussed. Both Dr. Bouonpane and chemical engineering faculty at the AIChE meeting suggested the above minor change. The change will allow a more effective presentation

of process/plant design concepts in a unified manner to meet the ABET objectives of the "capstone" design experience. This will also distribute the teaching load for the "plant design" faculty member more evenly than in the previous model. Additionally, having the course Separation Processes precede Chemical Process Component Design will allow advanced separation/mass transfer equipment design to be taught more effectively at this level and integrated into the process/plant design.

### ***3. Results of Consultations:***

Consultations were obtained verbally from the individual mentioned above, Dr. Ralph Buonopane, ABET Consultant. This change will not impact any other engineering program or science program.