

CURRICULUM PROPOSAL FORM 2000-2001

NON-GENERAL EDUCATION PROCESS A

***DEADLINES:** Deadline dates for 2000/2001 submissions: Regular proposals: October 20, 2000 to be implemented in Fall 2001; Short-Term proposals: December 8, 2000 to be implemented in Fall, 2001; Regular proposals February 16, 2001 to be implemented in Spring, 2002; March 23, 2000 for short-term courses to be implemented in Spring 2002.

PROPOSAL TITLE: Change in course to meet needs

SPONSOR(S): Ken Davis

DEPARTMENT: Chemical Engineering

COLLEGE: Engineering

IF LAS CHECK ONE: History/Humanities Math/Sciences Social/Behavioral Sciences

Check one: Undergraduate Graduate

THE ATTACHED **NON-GEN-ED** PROPOSAL IS BEST DESCRIBED BY THE ITEM(S) CHECKED.

New non-gen-ed course

Short-term non-gen-ed course

Minor curricular changes (fewer than three) to:

existing non-gen-ed course

non-gen-ed degree requirements

major

minor, specialization, concentration, track, certificate program

DEPARTMENT
(Signature indicates approval)

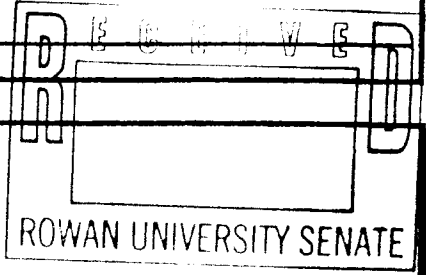
Dept. Curriculum Chair / Date 10-20-00

Dept. Chairperson / Date

ACADEMIC DEAN

Approved Not Approved Comments:

Dean's Signature/Date Dianne Dardland 10/26/00



COLLEGE CURRICULUM COMMITTEE

Date of open hearing (if necessary) _____ Approved Not Approved _____

Comments:

Signature of College Chair/Date: [Signature] 2/25/01

UNIVERSITY CURRICULUM COMMITTEE

Date Received/Processed 4/27/01

Comments:

Curriculum Chair Signature [Signature] Date Announced At Senate 5-8-01

EXECUTIVE VICE PRESIDENT/PROVOST

Approved Not Approved _____ If no, reasons are as follows:

Student Credit Hours _____ Faculty Load Hours _____ Equalized Credit Hours _____

Official Copy & Approval Sheet Filed (Date): _____ Executive VP/Provost Signature/Date [Signature] 5/15/01

REGISTRAR

Date Approved Course Description Received 5/23/01 Hegis Taxonomy & Course Number Assigned _____

Registrar Signature/Date [Signature]

NOTIFICATION FORWARD

_____ Senate Curriculum Committee Chairperson _____ Academic Dean(s)
_____ Department Chairpersons _____ Registrar _____ Sponsor(s)

Minor Change

1. Details:

- a) **Change:** Change the name of the course currently called “Transfer Processes II: Mass”, course number 0906.312, to “Equilibrium Staged Operations.”

Current Title

Transfer Processes II: Mass

Current Catalog Description

Transfer Processes II: Mass

Prerequisites: 0906.302, 0901.341 and 1701.335

This course gives students and introduction to equilibrium staged separations. Students will learn the theory and principles of equilibrium staged calculations applied to: distillation, extraction, absorption and stripping columns. A major focus of the course is distillation systems; batch and continuous for binary and multi-component systems. Demonstrations and laboratories will be integrated throughout the course.

New Title

Equilibrium Staged Operations

New Catalog Description

Equilibrium Staged Operations

Prerequisites: 0906.302, 0901.341 and 1701.335

This course gives students and introduction to equilibrium staged separations. Students will learn the theory and principles of equilibrium staged calculations applied to: distillation, extraction, absorption and stripping columns. A major focus of the course is distillation systems; batch and continuous for binary and multi-component systems. Demonstrations and laboratories will be integrated throughout the course.

b) Sponsor:

Dr. Kevin Dahm and Chemical
Engineering Curriculum Committee

c) Credit Hours:	2 semester hours
d) Course Level:	Undergraduate
e) Curricular Effect:	Requirement for Chemical Engineering students
g) Suggested Time/ Scale of Implementation:	Fall 2001 Multiple sections may be offered
h) Resources:	No additional resources will be needed for this minor change

2. Rationale:

The current name is an artifact of previous years in which this course was offered as a half-semester course, with “Transfer Processes I: Heat” being the first half of the sequence. In response to concerns from both faculty and students, we are now offering the two courses concurrently. We feel that the name is now misleading in that it implies Heat Transfer is prerequisite, which it is not. In addition, “Equilibrium Staged Operations” is considered a slightly better descriptor of the course, since it emphasizes the uniqueness of the class. The chemical engineering curriculum contains several courses on transfer phenomena but this is the only one that examines equilibrium operations specifically.

3. Results of Consultations:

This change will not impact any other engineering program or science program.

CURRICULUM PROPOSAL FORM 2000-2001

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PROPOSAL TITLE: Proposed Change for 2000-01

SPONSOR(S): C. Stewart

DEPARTMENT: Chemical Engineering

COLLEGE: Engineering

IF LAS CHECK ONE: History/Humanities Math/Sciences Social/Behavioral Sciences

Check one: Undergraduate Graduate

THE ATTACHED **NON-GEN-ED** PROPOSAL IS BEST DESCRIBED BY THE ITEM(S) CHECKED.

New non-gen-ed course

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existing non-gen-ed course

non-gen-ed degree requirements

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minor, specialization, concentration, track, certificate program

DEPARTMENT
(Signature indicates approval)

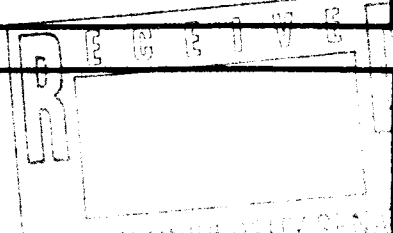
Dept. Curriculum Chair / Date: [Signature] 10-20-00

Dept. Chairperson / Date: _____

ACADEMIC DEAN

Approved Not Approved Comments: _____

Dean's Signature/Date: Dianne Darland 10/26/00



COLLEGE CURRICULUM COMMITTEE

Date of open hearing (if necessary) _____ Approved Not Approved _____

Comments:

Signature of College Chair/Date: _____

UNIVERSITY CURRICULUM COMMITTEE

Date Received/Processed 4/27/01

Comments:

Curriculum Chair Signature [Signature] Date Announced At Senate 5-8-01

EXECUTIVE VICE PRESIDENT/PROVOST

Approved Not Approved _____ If no, reasons are as follows:

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Official Copy & Approval Sheet Filed (Date): _____ Executive VP/Provost Signature/Date [Signature] 5/15/01

REGISTRAR

Date Approved Course Description Received 5/23/01 Hegis Taxonomy & Course Number Assigned _____

Registrar Signature/Date [Signature]

NOTIFICATION FORWARD

____ Senate Curriculum Committee Chairperson _____ Academic Dean(s)
____ Department Chairpersons _____ Registrar _____ Sponsor(s)

Minor Change

1. Details:

- a) **Change:** Change the Course Prerequisite of Special Topics in Chemical Engineering: *Topic*, 0906-490

Current Prerequisite

Permission of Instructor

Current Catalog Description

Special Topics in Chemical Engineering: Topic (0906.490)

Prerequisites: Permission of Instructor

This course presents chemical engineering topics related to recent developments in industrial practice or research. May be repeated.

New Prerequisite

Advanced College Chemistry I, 1906-105 or Chemistry I 1906-100; and Calculus II, 1701-131

New Catalog Description

Special Topics in Chemical Engineering: Topic (0906.490)

Prerequisites: Advanced College Chemistry I, 1906-105 or Chemistry I 1906-100; and Calculus II, 1701-131

This course presents chemical engineering topics related to recent developments in industrial practice or research. May be repeated.

- b) Sponsor:** Dr. C. Stewart Slater and Chemical Engineering Curriculum Committee
- c) Credit Hours:** 3 semester hours
- d) Course Level:** Undergraduate
- e) Curricular Effect:** Requirement for Chemical Engineering students

g) Suggested Time/

Fall 2001

Scale of Implementation:

Multiple sections may be offered

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. The Chemical Engineering Department wishes to conform with the University's automatic registration system which requires course prerequisites in place that allow students to register via touch-tone or web-based methods without individual faculty/chair approval forms.

3. Results of Consultations:

This change will not impact any other engineering program or science program.