

TO: The Faculty of the College of Engineering

FROM: The School of Chemical Engineering

RE: Change in requisites and term offered to existing CHE 45000 Design and Analysis of Processing Systems

The Faculty of the School of Chemical Engineering has approved the following changes to an existing course. This action is now submitted to the Engineering Faculty with a recommendation for approval.

FROM: CHE 45000 Design and Analysis of Processing Systems
Sem.2, Cr. 4

Prerequisites: CHE 30600 Minimum Grade of C-, CHE 37800 Minimum Grade of C-
Co-requisites: CHE 43500 Minimum Grade of D-
Description: Use of process and product synthesis methods and concepts; detailed design of unit operation equipment, the economics of chemical plants and flow sheet optimization methods. Synthesize, develop, and evaluate a preliminary design of a chemical process that meets market requirements for a specific product. Analysis of design alternatives using case studies and optimization methods.

TO: CHE 45000 Design and Analysis of Processing Systems
Sem.1 and 2, Cr. 4

Prerequisites: CHE 30600 Minimum Grade of C-, CHE 37800 Minimum Grade of C- ,
CHE 42000 Minimum Grade of a D-, CHE 45600 Minimum Grade of a D-
Co-requisites: CHE 43500 Minimum Grade of D-
Description: Use of process and product synthesis methods and concepts; detailed design of unit operation equipment, the economics of chemical plants and flow sheet optimization methods. Synthesize, develop, and evaluate a preliminary design of a chemical process that meets market requirements for a specific product. Analysis of design alternatives using case studies and optimization methods.

REASON: The Faculty of the School of Chemical Engineering agreed to now offer CHE 45000 both fall and spring semesters to accommodate the growing needs of our students. To keep the original intent of CHE 45000 as the capstone for the ChE curriculum, the other two senior level courses (CHE 42000 & CHE 45600) which students can currently take after completing CHE 45000, now must be completed prior to enrolling in CHE 45000.

David S. Corti

David Corti, Executive Officer

For Sangtae Kim, Jay and Cynthia Ihlenfeld Head
School of Chemical Engineering

Approved for the faculty of the Schools
of Engineering by the Engineering
Curriculum Committee

ECC Minutes 16 Date 11-15-16
Chairman ECC David S. Corti

EFFECTIVE SESSION Fall 2017

<input type="checkbox"/>	1. New course with supporting documents	<input type="checkbox"/>	7. Change in course attributes (department head signature only)
<input type="checkbox"/>	2. Add existing course offered at another campus	<input type="checkbox"/>	8. Change in instructional hours
<input type="checkbox"/>	3. Expiration of a course	<input type="checkbox"/>	9. Change in course description
<input type="checkbox"/>	4. Change in course number	<input checked="" type="checkbox"/>	10. Change in course requisites
<input type="checkbox"/>	5. Change in course title	<input checked="" type="checkbox"/>	11. Change in semesters offered (department head signature only)
<input type="checkbox"/>	6. Change in course credit/type	<input type="checkbox"/>	12. Transfer from one department to another

Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

Cross-Listed Courses

Prerequisites: CHE 30600 Minimum Grade of C-, CHE 37800 Minimum Grade of C-, CHE 42000 Minimum Grade of D-, CHE 45600 Minimum Grade of D- . **Co-requisites:** CHE 43500 Minimum Grade of D- .

***COURSE LEARNING OUTCOMES**

Date _____

OFFICE OF THE REGISTRAR