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 Corti, Executive Officer

David S. Corti

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 1 1 Date 11-15-

Office of the Registrar FORM 40 REV. 5/11

PURDUE UNIVERSITY

REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE (10000-40000 LEVEL)

DEPARTMENT	School of Che	mical Enginee	ring (1283)	EFFECTIVE SESSION	Fall 2017		
INSTRUCTIONS:	Please check the it	ems below which	describe the purpose of this	s request.			
		i course irse number irse title	ocuments another campus	8 9 10 11	3. Change in i 3. Change in o 3. Change in o 1. Change in o	instructional hours course descriptior course requisites	n I (department head signature only)
PROPOSED:			_EXISTING:				FERMS OFFERED
Subject Abbreviation	1		Subject Abbreviation	CHE		Summer	Check All That Apply: Spring Spring Check All That Apply:
Course Number			Course Number	45000		CAN Calumet	MPUS(ES) INVOLVED N. Central
Long Title Design and Analysis of Processing Systems Cont Ed Tech Statewide W. Lafayette							
Short Title Indianapolis							
Abb		d by the Office of the R	tegistrar if omitted. (30 CHARACTER				
Fixed Credit: Cr. Variable Credit R Minimum Cr. (Check One) Maximum Cr. 3. Equivalent Credit	ange: Hrs To O O Hrs :: Yes No		1. Pass/Not Pass Only 2. Satisfactory/Unsatisfactory 3. Repeatable Maximum Repeatable 4. Credit by Examination 5. Fees	Only Credit: CRATE Request 1	6 Registration Ap	rtment	Instructor
Schedule Type	Minutes Per Mtg	Meetings Per Week	Weeks % of Credit Offered Allocated				Cross-Listed Courses
	TION (INCLUDE REQUIRES: CHE 30600	Minimum Gra					de of D-, CHE 45600 Minimum
*COURSE LEARNIN	NG OUTCOMES						
Calumet Departmen	t Head	Date	Calumet School Dean	Date	-		
Fort Wayne Departm	nent Head	Date	Fort Wayne School Dean	Date	-		
Indianapolis Departr	ment Head	Date	Indianapolis School Dean	Date	-		
North Central Facult		Date	Vice Chancellor for Academic	Affairs Date	-		
	S. Corte	9/22/2016	MUNIAYN	12/2/11			
West Lafayette Dep	artment Head	Date	West kalley the College/School	ol Dean Date	West I	Lafayette Registrar	Date