

New Course

Proposal Reference Number : 12840
PRN Alias : 17-18#319
Version No : 5
Submitted By : Dr Amy Blum
Edited By : Ms Josie D'Amico

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New Data							
Program Affected?	Y						
Program Change Form Submitted?	N (Simple Change) - This course will replace CHEM 243 and CHEM 283 in the attached list of programs.						
Subject/Course/Term	CHEM 273 <ul style="list-style-type: none"> one term 						
Credit Weight or CEU's	3 credits						
Course Activities	<table border="1"> <thead> <tr> <th>Schedule Type</th> <th>Hours per week</th> </tr> </thead> <tbody> <tr> <td>A - Lecture</td> <td>2</td> </tr> <tr> <td>LW - Laboratory</td> <td>3</td> </tr> </tbody> </table>	Schedule Type	Hours per week	A - Lecture	2	LW - Laboratory	3
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	A - Lecture	2					
	LW - Laboratory	3					
Total Hours per Week : 5 Total Number of Weeks : 13							
Course Title	<table border="1"> <tr> <td>Official Course Title :</td> <td>Intro Phys Chem2: Kinetics&Meth</td> </tr> <tr> <td>Course Title in Calendar :</td> <td>Introduction Physical Chemistry 2: Kinetics and Methods</td> </tr> </table>	Official Course Title :	Intro Phys Chem2: Kinetics&Meth	Course Title in Calendar :	Introduction Physical Chemistry 2: Kinetics and Methods		
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Course Title in Calendar :	Introduction Physical Chemistry 2: Kinetics and Methods						
Rationale	We currently have three (CHEM 223, CHEM 243, CHEM 283) 2 credit U1 physical chemistry courses. We would like to change this to two 3 credit U1 physical chemistry courses. This would enable us to teach all of the introductory thermodynamics topics in one semester, and will allow us to integrate the introductory physical chemistry labs into a lecture course and add in some modern physical chemistry.						
Responsible Instructor							
Course Description	Kinetics: Transition State Theory, complex reactions, free-radical reactions, chain reactions, catalysis, reactions at surfaces, ionic effects of reactions in solution, photochemistry. Methods: physical chemistry laboratory, differential equations and linear algebra applied to physical chemistry, computation methods for data analysis and modeling						
Teaching Dept.	0287 : Chemistry						
Administering Faculty/Unit	SC : Faculty of Science						
Prerequisites	CHEM 213 and MATH 222 Web Registration Blocked? : Y Minimum Grade or Test Scores : C Prereq course or test taken at the same time? : N						
Corequisites							
Restrictions	Not open to students who have taken or are taking CHEM 243 and CHEM 283.						
Supplementary Calendar Info							

Additional Course Charges	
Campus	Downtown
Projected Enrollment	70
Requires Resources Not Currently Available	N
Explanation for Required Resources	
Required Text/Resources Sent To Library?	
Library Consulted About Availability of Resources?	
Consultation Reports Attached?	
Effective Term of Implementation	201809
File Attachments	<ul style="list-style-type: none"> chem273.docx View
To be completed by the Faculty	
For Continuing Studies Use	

Approvals Summary

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Version No.	Departmental Curriculum Committee	Departmental Meeting	Departmental Chair	Other Faculty	Curric/Academic Committee	Faculty	SCTP	Version Status
5								Submitted to Curriculum/Academic Committee for approval Edited by: Josie D'Amico on: Nov 29 2017
4								Submitted to Curriculum/Academic Committee for approval Edited by: Josie D'Amico on: Nov 17 2017
3								Submitted to Curriculum/Academic Committee for approval Edited by: Josie D'Amico on: Nov 17 2017
2								Submitted to Curriculum/Academic Committee for approval Edited by: Josie D'Amico on: Nov 17 2017
1								Submitted to Curriculum/Academic Committee for approval Created on: Oct 12

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