

Course Number Change for CHEM 419

Proposal Reference Number : 8399

PRN Alias : 13-14#1812

Version No : 3

Submitted By : Dr Amy Blum

Edited By : Ms Josie D'Amico

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Summary of Changes	Subject/Course/Term, Restrictions
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	Current Data	New Data								
Program Affected?		Y								
Program Change Form Submitted?		N (Simple Change) - Replace CHEM 419 with CHEM 519 where it appears in the following B.Sc. programs: Liberal Program - Core Science Component Atmospheric and Oceanic Sciences; Major Atmospheric Science; Honours Atmospheric Science (the changes in the Major and Honours programs have already been incorporated in the Major and Honours Program Change Form submitted separately); Major Environment - Atmospheric Environment and Air Quality; Major Environment -Water Environments and Ecosystems - Biological; Honours Earth System Science; Major Earth System Science; Honours Chemistry - Atmosphere and Environment; Major Chemistry - Atmosphere and Environment; B.Sc. Agr. Major Environment - Water Environments and Ecosystems - Biological. Also, replace CHEM 619 with CHEM 519 where it appears in M.Sc. Atmospheric and Oceanic Sciences (Thesis); M.Sc. Atmospheric and Oceanic Sciences - Environment (Thesis).								
Subject/Course/Term	CHEM 419 <ul style="list-style-type: none"> one term 	CHEM 519 <ul style="list-style-type: none"> one term 								
Credit Weight or CEU's	3 credits.	3 credits								
Course Activities	<ul style="list-style-type: none"> A - Lecture 	<table border="1"> <thead> <tr> <th>Schedule Type</th><th>Hours Per Week</th></tr> </thead> <tbody> <tr> <td>A - Lecture</td><td>3</td></tr> </tbody> </table> Total Hours per Week : 3 Total Number of Weeks : 13	Schedule Type	Hours Per Week	A - Lecture	3				
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A - Lecture	3									
Course Title	<table border="1"> <tr> <td>Course Title on Transcript</td><td>Advances in Chem of Atmosphere</td></tr> <tr> <td>Course Title on Calendar</td><td>Advances in Chemistry of Atmosphere.</td></tr> </table>	Course Title on Transcript	Advances in Chem of Atmosphere	Course Title on Calendar	Advances in Chemistry of Atmosphere.	<table border="1"> <tr> <td>Course Title on Transcript</td><td>Advances in Chem of Atmosphere</td></tr> <tr> <td>Course Title on Calendar</td><td>Advances in Chemistry of Atmosphere.</td></tr> </table>	Course Title on Transcript	Advances in Chem of Atmosphere	Course Title on Calendar	Advances in Chemistry of Atmosphere.
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Rationale		We are combining the undergraduate 400- and graduate 600-level courses into a single 500-								

		level course appropriate for both graduate students and senior undergraduates. This is justified by the following considerations: 1. The joint nature of these courses requires twice the effort to maintain. Maintaining four courses that essentially teach same material is unnecessary. 2. The 400- and 600-level courses are currently taught together, with the graduate students performing extra assignments. The principal extra assignment is a term paper, which doesn't necessarily justify the 600-level credit. 3. The overall enrolments are typically modest (5-20 per year in the combined 400- and 600-level class) and do not justify four separate courses. We seek to continue the yearly alternating ATOC/CHEM 519 naming so that each department receives appropriate credit for their teaching contributions.						
Responsible Instructor								
Course Description	Selected areas of atmospheric chemistry from field and laboratory to theoretical modelling are examined. The principles of atmospheric reactions (gas, liquid and heterogeneous phases in aerosols and clouds) and issues related to chemical global change will be explored.	Selected areas of atmospheric chemistry from field and laboratory to theoretical modelling are examined. The principles of atmospheric reactions (gas, liquid and heterogeneous phases in aerosols and clouds) and issues related to chemical global change will be explored.						
Teaching Dept.	0287 : Chemistry	0287 : Chemistry						
Administering Faculty/Unit	SC : Faculty of Science	SC : Faculty of Science						
Prerequisites	Prerequisites: CHEM 243, and CHEM 263 or CHEM 213 and CHEM 273, MATH 222 and MATH 315 (or equivalents) or permission of instructor.	Prerequisites: CHEM 243, and CHEM 263 or CHEM 213 and CHEM 273, MATH 222 and MATH 315 (or equivalents) or permission of instructor. <table><tr><td>Web Registration Blocked? :</td><td>Y</td></tr><tr><td>Minimum Grade or Test Scores :</td><td>C</td></tr><tr><td>Prereq course or test taken at the same time? :</td><td>Y</td></tr></table>	Web Registration Blocked? :	Y	Minimum Grade or Test Scores :	C	Prereq course or test taken at the same time? :	Y
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Minimum Grade or Test Scores :	C							
Prereq course or test taken at the same time? :	Y							
Corequisites								
Restrictions	<ul style="list-style-type: none">Restriction: Not open to students who have taken ATOC 419, CHEM 619, or ATOC 619	Not open to students who have taken or are taking CHEM 419, CHEM 619, ATOC 419, ATOC 519 or ATOC 619.						
Supplementary Calendar Info	<ol style="list-style-type: none">Winter3 lecturesOffered in even years. Students should register in ATOC 419 in odd years.	<ol style="list-style-type: none">Winter3 lecturesOffered in even years. Students should register in ATOC 419 in odd years.						
Additional Course								

Charges		
Campus		Downtown
Projected Enrollment		
Requires Resources Not Currently Available		N
Explanation for Required Resources		
Consultation Reports Attached?		
Effective Term of Implementation		201409
File Attachments		No attachments have been saved yet.
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
3								Submitted to Curriculum/Academic Committee for approval Edited by: Josie D'Amico on: Mar 20 2014
2								Submitted to Curriculum/Academic Committee for approval Edited by: Josie D'Amico on: Mar 20 2014
1								Submitted to Curriculum/Academic Committee for approval Created on: Mar 10 2014