

Course Number Change for ATOC 620

Proposal Reference Number : 2062
 PRN Alias : 10-11#101
 Version No : 1
 Submitted By : Prof Frederic Fabry

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Summary of Changes	Subject/Course/Term, Course Title, Course Description, Prerequisites, Restrictions, Supplementary Calendar Info
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	Current Data	New Data								
Program Affected?		Y								
Program Change Form Submitted?		Y								
Subject/Course/Term	ATOC 620 <ul style="list-style-type: none"> one term 	ATOC 525 <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>Physical Meteorology 1</td> </tr> <tr> <td>Course Title on Calendar</td> <td>Physical Meteorology 1.</td> </tr> </table>	Course Title on Transcript	Physical Meteorology 1	Course Title on Calendar	Physical Meteorology 1.	<table border="1"> <tr> <td>Course Title on Transcript</td> <td>Atmospheric Radiation</td> </tr> <tr> <td>Course Title on Calendar</td> <td>Atmospheric Radiation</td> </tr> </table>	Course Title on Transcript	Atmospheric Radiation	Course Title on Calendar	Atmospheric Radiation
Course Title on Transcript	Physical Meteorology 1									
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Course Title on Calendar	Atmospheric Radiation									
Rationale		Whereas professional associations recommend to have a full atmospheric radiation course at the undergraduate level; Whereas we have no such course at the undergraduate level; Whereas we have a course at the 600-level targeted at M.Sc./Ph.D. students (ATOC 620) but without previous meteorology background that almost does it all; We have decided to move ATOC 620 to ATOC 525. A review of atmospheric thermodynamics (targeted at the graduate population) was also moved out of ATOC 620. In parallel, prerequisites were added for clarity and to encourage students to take the courses in the right sequence.								
Responsible Instructor										
Course Description	Thermodynamics of the atmosphere. Instability and convection. Solar and terrestrial radiation. Radiative transfer. Radiation budgets.	Solar and terrestrial radiation. Interactions of molecules, aerosols, clouds, and precipitation with radiation of various wavelengths. Radiative transfer								

		through the clear and cloudy atmosphere. Radiation budgets. Satellite and ground-based measurements. Climate implications.
Teaching Dept.	0291 : Atmospheric & Oceanic Sciences	0291 : Atmospheric & Oceanic Sciences
Administering Faculty/Unit	GR : Graduate Studies	GR : Graduate Studies
Prerequisites		Prerequisites (Undergraduates): ATOC 315, MATH 314, and MATH 315, or permission of instructor. Web Registration Blocked? : <input type="text" value="N"/>
Corequisites		
Restrictions		Not open to students who have taken ATOC 620.
Supplementary Calendar Info	1. 2 hours	1. <input type="text" value="None"/>
Additional Course Charges		
Campus		Downtown
Projected Enrollment		
Requires Resources Not Currently Available		N
Explanation for Required Resources		
Consultation Reports Attached?		
Effective Term of Implementation		201109
File Attachments		No attachments have been saved yet.
To be completed by the Faculty		
For Continuing Education 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
1			Approved					Approved by

			John Richard Gyakum Meeting Date: Nov 10 2010 Approval Date: Nov 11 2010 View Comments				Departmental Chair Created on: Nov 10 2010
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