Revision for ATOC 315

Proposal Reference Nun	nber : 2060
PRN Alias	: 10-11#99
Version No	:5
Submitted By	: Prof Frederic Fabry
Edited By	: Ms Josie D'Amico
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Summary of Change Sourse Title, Course Description, Prerequisites

	Current Data		New Data		
Program Affected?			Y		
Program Change Form Submitted?			N (Simple Change) - This change will affect Liberal Program: Core Science Component i Atmospheric and Oceanic Sciences, Major in Atmospheric Science, Major in Atmospheric Atmospheric Chemistry, Honours in Atmospl Science, Honours in Atmospheric Science: Atmospheric Chemistry, Diploma in Meteoro Program revision forms for these programs f been submitted. Program revision forms for Minor in atmospheric science, and Joint major atmospheric science and physics programs be submitted since the changes to these pro are considered Simple Changes.		
Subject/Course/Ter	nATOC 315				
	z one term				
Credit Weight or CEU's	3 credits.				
Course Activities	z A - Lecture]
Course Title	Course Title on Transcript	Water in the Atmosphere	Course Title on Transcript	Thermodynamics and Convection	
	Course Title on Calendar	Water in the Atmosphere.	Course Title on Calendar	Atmospheric Thermodynamics and Convection	
Rationale			"Water in the atmosphere", modified from an old "Cloud Physics" course to benefit programs in th School of Environment was not satisfying our ne and had drifted into a mild expansion of ATOC 2 Because we need both a full cloud physics course well as a full thermodynamics/convection course the undergraduate level, we are expanding and rigorizing the thermodynamics/convection component of ATOC 315 while moving the cloud physics component out to another course. In the process, prerequisites were updated for clarity a encourage students to take the courses in the ri		

		sequence.	
Responsible Instructor	Consultation Reports		
Course Description	Global distribution of water in the atmosphe processes. Global and mesoscale precipitat systems. Quantitative forecasting of precipit Extreme precipitation events. Large-scale in Precipitation modification.	reBMoyancy, stability, and vertical oscillations. Dr tioand moist adiabatic processes. Resulting dry a tatimecipitating convective circulations from the sr offerate to the global scale. Mesoscale precipitation systems from the cell to convective complexes. Severe convection, downbursts, mesocyclones	y nd nall on
Teaching Dept.	0291 : Atmospheric & Oceanic Sciences		
Administering Faculty/Unit	SC : Faculty of Science		
Prerequisites	Prerequisite: ATOC 214	Prerequisites: ATOC 214 and MATH 222	
		Web Registration Blocked?	
Corequisites			
Restrictions			
Supplementary Calendar Info	 Fall 3 hours lecture 		
Additional Course Charges			
Campus			
Projected Enrollme	nt		
Requires Resource Not Currently Available	S		
Explanation for Required Resource	S		
Consultation Repor	ts	Y	
		z ConsultationATOC315 View	
Effective Term of Implementation		201109	
File Attachments		No attachments have been saved yet.	
To be completed by the Faculty	/		
For Continuing Education Use			
Approvals Summa	ary		

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Version No.	Departmenta Curriculum Committee	Departmenta	Departmental Chair	Other Faculty	Curric/Academi Committee	dFaculty	SCT	P Version Status
5								Approved by Departmental Chair Edited by: Josie D'Amico on: Nov 17 2010
4								Approved by Departmental Chair Edited by: Josie D'Amico on: Nov 17 2010
3								Approved by Departmental Chair Edited by: Josie D'Amico on: Nov 17 2010
2								Approved by Departmental Chair Edited by: Frederic Fabry on: Oct 28 2010
1			Approved John Richard Gyakum Meeting Date: Se 20 2010 Approval Date: Se 20 2010 <u>View Comme</u> nts	sb b				Approved by Departmental Chair Created on: Sep 20 2010