Revision for ATOC 315

Proposal Reference Number : 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 Course Title, Course Description, Prerequisites

	Current Data		New Data	New Data			
Program Affected?			Υ	Υ			
Program Change Form Submitted?			Liberal Program Atmospheric and Atmospheric Sci Atmospheric Ch Science, Honour Atmospheric Ch Program revision been submitted. Minor in atmosp atmospheric scie be submitted sin	N (Simple Change) - This change will affect to Liberal Program: Core Science Component in Atmospheric and Oceanic Sciences, Major in Atmospheric Science, Major in Atmospheric Chemistry, Honours in Atmospheric Atmospheric Chemistry, Honours in Atmospheric Science: Atmospheric Chemistry, Diploma in Meteoro Program revision forms for these programs to been submitted. Program revision forms for the Minor in atmospheric science, and Joint major atmospheric science and physics programs to be submitted since the changes to these programs 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			"Cloud Physics" School of Enviro and had drifted i Because we nee well as a full the the undergradua rigorizing the the component of A physics compon process, prerequ	"Water in the atmosphere", modified from an o "Cloud Physics" course to benefit programs in School of Environment was not satisfying our rand had drifted into a mild expansion of ATOC Because we need both a full cloud physics could well as a full thermodynamics/convection cours the undergraduate level, we are expanding an rigorizing the thermodynamics/convection component of ATOC 315 while moving the couphysics component out to another course. In the process, prerequisites were updated for clarity encourage students to take the courses in the			

		sequence.
Responsible Instructor	Consultation Reports	

Course Description Global distribution of water in the atmosphere Bullovatney, stability, and vertical oscillations. Dry processes. Global and mesoscale precipitatioand moist adiabatic processes. Resulting dry and systems. Quantitative forecasting of precipitations from the small Extreme precipitation events. Large-scale influence to the global scale. Mesoscale precipitation Precipitation modification. systems from the cell to convective complexes. Severe convection, downbursts, mesocyclones.

0291: Atmospheric & Oceanic Sciences Teaching Dept.

Administering Faculty/Unit

SC: Faculty of Science

Prerequisite: ATOC 214 **Prerequisites** Prerequisites: ATOC 214 and MATH 222

Web Registration Blocked ?№

Corequisites

Restrictions

Supplementary

1. Fall

Calendar Info

2. 3 hours lecture

Additional Course

Charges

Campus

Projected Enrollment

Requires Resources

Not Currently Available

Explanation for

Required Resources

Consultation Reports

Attached?

Υ

201109

z ConsultationATOC315 View

Effective Term of

Implementation

File Attachments No attachments have been saved yet.

To be completed by the Faculty

For Continuing **Education Use**

Approvals Summary

Show all comments

Version	Departments	Departments	Departmental	Other	Curric/Academi	Eaculty	SCT	P Version Status
No.	Curriculum Committee	Meeting	Chair	Faculty	Committee	a acaity	0011	version etatus
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 View Comments					Approved by Departmental Chair Created on: Sep 20 2010