

## Revision for ATOC 512

Proposal Reference : 2052  
 Number  
 PRN Alias : 10-11#91  
 Version No : 1  
 Submitted By : Prof Frederic Fabry

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Summary of Changes	<b>Prerequisites</b>
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	Current Data	New Data				
Program Affected?		N				
Program Change Form Submitted?						
Subject/Course/Term	ATOC 512 <ul style="list-style-type: none"> <li>one term</li> </ul>					
Credit Weight or CEU's	3 credits.					
Course Activities	<ul style="list-style-type: none"> <li>A - Lecture</li> </ul>					
Course Title	<table border="1"> <tr> <td>Course Title on Transcript</td> <td>Atmospheric &amp; Oceanic Dynamics</td> </tr> <tr> <td>Course Title on Calendar</td> <td>Atmospheric and Oceanic Dynamics.</td> </tr> </table>	Course Title on Transcript	Atmospheric & Oceanic Dynamics	Course Title on Calendar	Atmospheric and Oceanic Dynamics.	
Course Title on Transcript	Atmospheric & Oceanic Dynamics					
Course Title on Calendar	Atmospheric and Oceanic Dynamics.					
Rationale		Pre-requisites were updated for clarity and to encourage students to take the courses in the right sequence				
Responsible Instructor						
Course Description	Introduction to the fluid dynamics of large-scale flows of the atmosphere and oceans. Stratification of atmosphere and oceans. Equations of state, thermodynamics and momentum. Kinematics, circulation, and vorticity. Hydrostatic and quasi-geostrophic flows. Brief introduction to wave motions, flow over topography, Ekman boundary layers, turbulence.					
Teaching Dept.	0291 : Atmospheric & Oceanic Sciences					
Administering Faculty/Unit	SC : Faculty of Science					
Prerequisites	Prerequisite (Undergraduate): Permission of instructor	<b>Prerequisite (Undergraduate): MATH 314, MATH 315, or permission of instructor</b>  <table border="1"> <tr> <td>Web Registration Blocked? :</td> <td>N</td> </tr> </table>	Web Registration Blocked? :	N		
Web Registration Blocked? :	N					
Corequisites						

Restrictions		
Supplementary Calendar Info	1. Fall 2. 3 hours lecture	
Additional Course Charges		
Campus		
Projected Enrollment		
Requires Resources Not Currently Available		
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 John Richard Gyakum Meeting Date: Aug 11 2010 Approval Date: Aug 11 2010 <a href="#">View Comments</a>					Approved by Departmental Chair Created on: Aug 6 2010