

Revision for ATOC 513

Proposal Reference Number : 2053
PRN Alias : 10-11#92
Version No : 1
Submitted By : Prof Frederic Fabry

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Summary of Changes **Prerequisites**

Current Data

New Data

Program Affected?

N

Program Change Form Submitted?

Subject/Course/Term ATOC 513

one term

Credit Weight or CEU's

3 credits.

Course Activities

A - Lecture

Course Title

Course Title on Transcript	Waves & Stability
Course Title on Calendar	Waves and Stability.

Rationale

Prerequisites were updated for clarity and to encourage students to take the courses in the right sequence

Responsible Instructor

Course Description

Linear theory of waves in rotating and stratified media. Geostrophic adjustment and model initialization. Wave propagation in slowly varying media. Mountain waves; waves in shear flows. Barotropic, baroclinic, symmetric, and Kelvin-Helmholtz instability. Wave-mean flow interaction. Equatorially trapped waves.

Teaching Dept.

0291 : Atmospheric & Oceanic Sciences

Administering Faculty/Unit

SC : Faculty of Science

Prerequisites

Supplementary Calendar Info

1. Winter
2. 3 hours lecture

Approvals Summary

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