

THE UNIVERSITY OF NORTH CAROLINA AT ASHEVILLE

FACULTY SENATE

Senate Document Number 1211S

Date of Senate Approval 01/20/11

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Statement of Faculty Senate Action:

APC Document 5: Add new course, ATMS 355, Physical Oceanography

Effective Date: Fall 2011

1. Add: On page 82, new course, ATMS 355:

**355 Physical Oceanography (3)**

An examination of the world's oceans from a physical perspective, with a particular focus on how oceans interact with the atmosphere. Topics include ocean structure, observation techniques, energy budget, surface and deep water currents, Ekman theory, coastal processes and tides, wave theory, and numerical modeling. Prerequisites: MATH 167; one course from ATMS 103 or 113 or ENVR 130. Odd years Fall.

**Impact:**

This course is an elective for the ATMS major or minor and thus has no impact in graduation requirements. This class was taught as a special topics course (ATMS 373) in Fall 2009 and is scheduled to be taught again in Fall 2013. Moving it to a permanent course number will not result in any staffing or other course changes.

**Rationale:**

This course has been periodically offered as a special topics course in ATMS. Dr. Chris Hennon will offer this class every other year, therefore it makes sense to create a permanent course number for Physical Oceanography. All faculty in ATMS are in agreement with this proposal.