

THE UNIVERSITY OF NORTH CAROLINA AT ASHEVILLE

FACULTY SENATE

Senate Document Number 1313F

Date of Senate Approval 12/5/13

Statement of Faculty Senate Action:

APC Document 5

**Change MATH 192 to a pre- or corequisite in ATMS 305,
Atmospheric Thermodynamics and Statics;
Change course description and add ATMS 305 as a
pre- or corequisite to ATMS 320, Meteorological Instruments**

Effective Date: Fall 2014

1. Delete: On page 90, in the description for **ATMS 305, Atmospheric Thermodynamics and Statics:**

Corequisite: MATH 192.

Add: On page 90, in place of deleted entry:

Pre- or corequisite: MATH 192.

Impact: Any impact should be positive.

Rationale: Most students who take ATMS 305 already have credit for MATH 192, and listing this requirement as a pre- or corequisite will eliminate the need to enter overrides to allow students to register for ATMS 305.

2. Delete: On page 90, the entry for **ATMS 320, Meteorological Instruments:**

320 Meteorological Instruments (3)

The history, operation, and use of instruments that monitor the atmosphere, with emphasis on practical applications. Prerequisite: ATMS 103 or 113; or equivalent training. See department chair.

Add: On page 90, in place of deleted entry:

320 Meteorological Instruments (3)

The physical principles of meteorological instruments, including static and dynamic sensor performance, sensor limitations, and major error sources, with an emphasis on practical applications. Prerequisite: ATMS 103 or 113 or equivalent training. Pre- or corequisite: ATMS 305. Fall.

Impact: ATMS 305 is a graduation requirement for each of the concentrations in the atmospheric sciences major and will not require the expenditure of new resources. Both ATMS 320 and ATMS 305 are always offered in the fall semester.

Rationale: The new course description more accurately characterizes the course content. Adding ATMS 305 (thermodynamics) as a pre- or corequisite provides the students with knowledge of the basic thermodynamic principles that are critical for success in the course. Moreover, ATMS 305 is a junior-level course and ATMS 320 is aimed at junior- or senior-level students. Students who enroll in ATMS 320 and have not completed, or are not enrolled in, ATMS 305 almost always drop the course in the first few weeks of the semester. Lastly, the specification that ATMS 320 is offered in the fall semester reflects the usual departmental teaching schedule. All faculty in the Atmospheric Sciences Department are in agreement with this proposal.