

THE UNIVERSITY OF NORTH CAROLINA AT ASHEVILLE

FACULTY SENATE

Senate Document Number 2812S

Date of Senate Approval 02/09/12

Statement of Faculty Senate Action:

APC Document 18:

Change course description for MATH 366

Effective Date: Fall 2012

1. Delete: On page 220, the description for **MATH 366, Linear Algebra II:**

An in-depth treatment of topics from MATH 365. Other topics include applications of eigen-values and eigen-vectors; Jordan Canonical form, the Hamilton-Cayley theorem, quadratic forms and linear programming.
Prerequisites: MATH 280, 365. Even years Spring.

Add: On page 220, in place of deleted entry:

An in-depth treatment of topics introduced in MATH 365. Examples are the Hamilton-Cayley theorem, Markov chains, orthogonal systems and singular value decomposition. Prerequisites: MATH 280, 365. Even years Spring.

Impact Statement:

No impact is foreseen.

Rationale:

The old description did not reflect the course as it is taught. The new wording parallels the descriptions of the advanced second semester courses, Abstract Algebra II and Real Analysis II.