

THE UNIVERSITY OF NORTH CAROLINA AT ASHEVILLE
FACULTY SENATE

Senate Document Number 1915F
Date of Senate Approval 12/03/15

Statement of Faculty Senate Action:

APC Document 14 (ASTR): **Delete ASTR 105, replacing with ASTR 101 and 111**

Effective Date: Fall 2016

1. Delete: On page 85, the entry for **ASTR 105:**

105 Astronomy (4)

A course for the general student with laboratory covering the solar system, constellations, the evolution of stars, cosmology and contemporary topics in astronomy. Additional topics include celestial mechanics, fundamental forces in nature, atomic spectra, relativity, stellar nuclear reactions and quarks. Satisfies the Liberal Arts Core laboratory science requirement. Fall and Spring.

Add: On page 85, in place of deleted entry:

101 Astronomy (3)

A course for the general student covering the historical development of astronomy, the solar system and its formation, stars and their evolution, galaxies, and cosmology. Additional topics include fundamental forces in nature, nuclear reactions, origin of the elements, atomic spectra, and black holes. If ASTR 111 is also taken, the courses will satisfy the LAC Laboratory Science requirement. Fall and Spring.

111 Astronomy Lab (1)

A laboratory course to introduce the student to observational and measurement methods employed in the field of astronomy. Pre- or corequisite: ASTR 101. Fall and Spring.

Impact Statement: This will have no impact on teaching resources or any academic programs.

Rationale: We would like to provide for students the opportunity to take astronomy with or without lab so that more students can experience the richness of astronomy.

The proposal is very economical because while lab seats are limited due to equipment, we can allow additional students into the lecture section.

Precedence: Currently the following natural sciences courses are configured this way: BIOL 123 Principles of Biology (3) and BIOL 124 Principles of Biology Lab (1); and CHEM 132 General Chemistry (3) and CHEM 111 General Chemistry Laboratory (1)

2. Delete: On page 85, under **Minor in Astronomy:**

18 hours in Astronomy: ASTR 105, 321, 322, 411, 412, 430, 431.

Add: On page 85, in place of deleted entry:

18 hours in Astronomy: ASTR 101, 111, 321, 322, 411, 412, 430, 431.

3. Delete: On page 85, in the prerequisite listings for **ASTR 321, 322, 411, 412, 430 and 430:**

ASTR 105

Add: On page 85, in place of deleted entry:

ASTR 101, 111

Impact Statement: This will have no impact on teaching resources or any academic programs.

Rationale: These are editorial changes being made to reflect the separation of the astronomy lecture and lab.