

THE UNIVERSITY OF NORTH CAROLINA AT ASHEVILLE
FACULTY SENATE

Senate Document Number 1014F
Date of Senate Approval 12/04/14

Statement of Faculty Senate Action:

APC Document 7 (MATH): **Change titles and descriptions of MATH 211 and 215**

Effective Date: Fall 2015

1. Delete: On page 219, the entry for **MATH 211:**

211 Structure of Mathematics I (3)

An intuitive development of the real number system with emphasis on problem solving; set theory, arithmetic properties of the real numbers, topics from number theory, and basic algebraic structures. This course is designed for elementary licensure students. Prerequisite: 30 semester hours (sophomore standing). Fall.

Add: On page 219, in place of deleted entry:

211 Structure of Mathematics: Algebra and Number Systems (3)

An intuitive development of the real number system with emphasis on problem solving. Topics include set theory, fundamentals of arithmetic and number theory, and basic algebraic structures. This course is designed for elementary licensure students. Prerequisite: at least 30 semester hours. Fall.

2. Delete: On page 219, the entry for **MATH 215:**

215 Structure of Mathematics II (3)

A study of topics from descriptive statistics, probability, and an intuitive and deductive study of geometry, including points, lines, planes, curves, surfaces, parallelism and similarity; linear, angular, area and volume measurement. Prerequisite: MATH 211. Spring.

Add: On page 219, in place of deleted entry:

215 Structure of Mathematics: Geometry and Statistics (3)

A study of the fundamental mathematical principles on which geometry and statistics are based. Topics include descriptive statistics, basic probability, measurements of length, area and volume, equivalency, and study of geometric structures. This course is designed for elementary licensure students. Prerequisite: at least 30 semester hours. Spring.

Impact: Students will now be able to take these courses in any order that works for them, thus making it easier to graduate in a timely fashion. There are no resource implications with this change.

Rationale: These two courses cover different areas of Mathematics and do not require that students take them as a sequence. The updated titles more clearly articulate the content of the courses and remove the impression the courses must be taken sequentially. Allowing students to take MATH 215 prior to MATH 211 allows for more flexibility in their schedules, and may help them graduate in a more timely fashion.