

THE UNIVERSITY OF NORTH CAROLINA AT ASHEVILLE  
FACULTY SENATE

Senate Document Number 2614S

Date of Senate Approval 1/23/14

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Statement of Faculty Senate Action:

**APC Document 14:                   Change titles and descriptions of STAT 321 and STAT 326**

**Effective Date: Fall 2014**

**1. Delete:** On page 224, the entry for **STAT 321:**

**Exploratory Data Analysis and Nonparametric Statistics (3)**

Course focuses on the initial statistical techniques used to analyze data and the measures taken if assumptions for standard statistical procedures do not hold. Content may include, but is not limited to: graphical data analysis, assessing normality and transformations, nonparametric statistical inferences, identification of outliers, topics in simple regression, and introduction to time series analysis. Prerequisite: 3 to 4 hours in any other Statistics course. Even years Fall.

**Add:** On page 224, in place of deleted entry:

**Applied Data Analysis (3)**

Course focuses on alternative statistical techniques used to explore and analyze data. Content may include, but is not limited to graphical data analysis, assessing normality and transformations, categorical data analysis, nonparametric statistics, topics in simple regression, and introduction to time series analysis. Prerequisite: STAT 185 or 225. Even years Fall.

**2. Delete:** On page 224, the entry for **STAT 326:**

**Introduction to Analysis of Variance Models (3)**

Design, estimation and inference for ANOVA and related models. Topics include: single factor and multiple factor ANOVA; fractional factorial, split-plot, and repeated measures designs, examination of validity of model assumptions and remedial measures; and analysis of covariance. Prerequisite: 3 to 4 hours in any other Statistics course. Even years Spring.

**Add:** On page 224, in place of deleted entry:

**Statistics for Experimenters (3)**

Design, estimation and inference for ANOVA and related models. Topics include single factor and multiple factor ANOVA; fractional factorial, split-plot, and repeated measures designs, examination of validity of model assumptions and remedial measures; and analysis of covariance. Prerequisite: STAT 185 or 225. Even years Spring.

**Impact :** No major impact is foreseen.

**Rationale:** New wording better reflects the content of the course, and adds more clarity to description.