

UMBC UGC Change in Existing Course:**STAT 432 Statistical Computer Packages and Their Applications: SAS and R**

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Proposed Effective Date: Spring 2016

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COURSE INFORMATION: (please provide all information in the "current" column, and only the information changing in the "proposed" column)

change		Current	proposed
<input type="checkbox"/>	Course Number(s)	STAT 432	
<input checked="" type="checkbox"/>	Formal Title	Statistical Computer Packages and Their Applications	Statistical Computer Packages and Their Applications: SAS and R
<input checked="" type="checkbox"/>	Transcript Title (≤30c)	Stat Comp Packages	Stat Comp Packages: SAS and R
<input type="checkbox"/>	Recommended Course Preparation		
<input checked="" type="checkbox"/>	Prerequisite	You must have completed STAT 350 or STAT 351 or STAT 432 or STAT 453 with a grade of C or better.	You must have completed STAT 350 or STAT 351 or STAT 451 or STAT 453 with a grade of C or better.
<input type="checkbox"/>	Credits	1	
<input type="checkbox"/>	Repeatable?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	Max. Total Credits	1	
<input type="checkbox"/>	Grading Method(s)	<input checked="" type="checkbox"/> Reg (A-F) <input checked="" type="checkbox"/> Audit <input checked="" type="checkbox"/> Pass-Fail	<input type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit <input type="checkbox"/> Pass-Fail

CURRENT CATALOG DESCRIPTION:

The student will become familiar with the commercial statistical package, SAS, its use for various statistical applications.

PROPOSED CATALOG DESCRIPTION (no longer than 75 words): leave blank if no changes are being proposed to the catalog description. NOTE: information about prerequisites should NOT appear in the catalog description.)

The student will become familiar with SAS and R, two widely used powerful statistical software package. They can handle most data analysis issues ranging from simple data exploration to advanced modeling. Students will learn basic modeling and programming and implement their knowledge by completing analysis projects.

RATIONALE FOR CHANGE:

This request updates the title and description to more clearly represent the coverage of the course, already in use now. It also fixes an obvious typo in SA: Notice that STAT 432 (boldfaced above) is listed in the pre-requisites for itself! Knowing the relationship of our STAT courses, STAT 451 is clearly missing from the current list, so this should replace the incorrect STAT 432.