

FACULTY AGENDA ITEM

Date: **August 29, 2018**

Submitted by: **Kevin Charlwood, Math/Stats Dept Chair (X-1499)**

SUBJECT: **Bachelor of Arts in Mathematics**

Description: **MA 343 Applied Statistics is being replaced by a choice of one of three courses selected from MA 340, MA 341 and MA 346 for pure math and a choice of MA 340 or MA 341 for actuarial science, and by MA 140 for the math for secondary education program. MA 153 Calculus III is now numbered MA 253. In the math for secondary education track, two new courses are added: MA 204 and MA 230. The Logic requirement of PH 110 or PH 220 for secondary education is replaced by the new MA 204 course. MA 250 Theory of Interest is now numbered MA 384.**

Rationale: **Mathematics & Statistics is making a program change to both the BA and BS options for the Mathematics (pure math) degree. With the advent of a fourth track in our department, Applied Statistics, the MA 343 Applied Statistics course required in all three of our current tracks will be replaced by a choice among three courses (two of them new, in the Applied Statistics track): (1) MA 340 ANOVA/Design of Experiments; (2) MA 341 Non-parametric Tests/Quality Control; and, (3) MA 346 Regression Analysis. The latter course has been in existence for many years, and is a key course in our actuarial science program. MA 343 covered aspects of all three of these courses, but this expansion of offerings in upper-division statistics is necessary for the new Applied Statistics track. MA 343 will be phased out by 2020.**

Financial Implications: **None**

Proposed Effective Date: **Fall 2019**

Request for Action: **Approval by AAC, FS and Gen Fac**

Approved by: *AAC on 9/24/18*

FAC on date

Faculty Senate on date

Attachments Yes X No