KENTUCKY STATE UNIVERSITY
FACULTY SENATE
CURRICULUM COMMITTEE

FSCC# 16-17-20 Effective Date _____

CURRICULAR/PROGRAM CHANGE TRACKING DOCUMENT

ACADEMIC UNIT: MASC: Mathematics **DATE SUBMITTED:** 1-13-2017

1. **BRIEF EXPLANATION OF PROPOSED CHANGE:**
Change the number and catalogue description of the pilot course MAT 176, Accelerated College Algebra to MAT 115A, Accelerated College Algebra.

2. **CHECK ITEM(s) BELOW FOR CHANGES DESIRED:**

- ☐ New Degree Certification
- ☐ Deletion of Degree or Certification
- ☐ New or Revised Major
- ☐ Deletion of Course
- ☐ New or Revised Minor
- ☐ Revised Degree or Certification
- ☐ New Course(s)
- ☒ Revised Course
- ☐ Course Level (number) Change
- ☐ Other (specify below):

I. Dean's Action:

☑ Approved ☐ Disapproved ☐ Returned for Recommended Change

(Signature) Feiko Byrd Date: 2-1-17

II. Curriculum Committee Action:

☑ Approved ☐ Disapproved ☐ Returned for Recommended Change

Chairperson: (signature): _____ Date: 2/6/17

III. Faculty Senate Action:

☐ Approved ☐ Disapproved ☐ Returned for Recommended Change

Senate President (signature): _____ Date: _____

IV. Provost/Vice President Academic Affairs (not required for courses):

☐ Approved ☐ Disapproved ☐ Returned for Recommended Change

Provost/VPAA (Signature): _____ Date: _____

V. President's Action (not required for courses):

☐ Approved ☐ Disapproved ☐ Returned for Recommended Change

President (Signature): _____ Date: _____

Final Faculty senate Approved form as of 9/15/06

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KENTUCKY STATE UNIVERSITY
FACULTY SENATE
CURRICULUM COMMITTEE

COURSE CHANGE PROPOSAL

ACADEMIC UNIT: MASC: Mathematics

DATE PREPARED: 1-13-2017

PRIMARY AUTHOR(S): Fariba Bigdeli-Jahed

ACADEMIC DISCIPLINE FACULTY APPROVED:
(Committee Chairperson's Signature) _____ 2-1-17 **(Date)**

CHAIRPERSON APPROVED:
(Chairperson's) _____ 2-1-17 **(Date)**

1. **CURRENT COURSE NUMBER: MAT 176**

2. CURRENT COURSE TITLE (Limited to 32 Spaces Including Blanks): Accelerated College Algebra

3. Starting With: X Fall Spring Summer Year 2017

4. CROSSLISTING DEPARTMENTS (attach supporting letters);

a) _____ c) _____

b) _____ d) _____

5. CHECK ITEM(S) BELOW FOR CHANGES DESIRED:

__X__ Course Number
___ Credits
____Planned Offering
____Course Level
____ Course Title
____ Grading System
___X_Catalogue Description
____Required Status
____ Crosslist Status
____ Prerequisites
____ Delete Course
____Other

6. EXPLANATION/JUSTIFICATION FOR REQUESTED CHANGE(S). ENTER BOTH CURRENT AND PROPOSED DATA FOR EACH CHANGE (use additional pages as necessary):

The prerequisite requirement for MAT 115, College Algebra is a math ACT sub-score of 22 or higher or successful completion of an Intermediate Algebra course. The mathematics department developed MAT 176, Accelerated College Algebra, as a pilot course to accommodate the students who do not meet the benchmarks for MAT 115. The course includes the same topics as MAT 115. The intermediate algebra concepts required are covered at the beginning of the semester and are also covered with the topics on an as-needed/just-in-time basis. The course has had a higher success rate than MAT 115. We will change the number to MAT 115A (A for Accelerated) to make the course permanent while keeping the regular MAT 115 for students who meet the benchmarks.

Current Catalogue description:

MAT 176: Accelerated College Algebra. This course is designed to be an efficient combination of Intermediate Algebra and College Algebra. Topics include manipulation of monomials, polynomials, rational and radical expressions; solving equations and inequalities, including linear, rational, quadratic, absolute value, exponential a logarithmic; developing problem solving techniques; and introduction to functions, variation, the algebra of functions and their graphs; study of properties and graphs of polynomial and rational functions, including use of a graphing calculator and regression analysis; reading/interpreting graphs of function and applications. Prerequisite: An ACT math sub-score of 19 (or better), or an SAT math sub-score of 400 (or better), or a grade of C or better in MAT 096, or a KYOTE College Readiness placement score of 22
(or better). **CREDIT: FOUR SEMESTER HOURS.**

Proposed Course Description:

MAT 115A: Accelerated College Algebra. This course is designed to be an efficient combination of Intermediate Algebra and College Algebra. Topics include manipulation of monomials, polynomials, rational and radical expressions; solving equations and inequalities, including linear, rational, quadratic, absolute value, exponential and logarithmic; developing problem solving techniques; and introduction to functions, variation, the algebra of functions and their graphs; study of properties and graphs of polynomial, rational, exponential and logarithmic functions, including use of a graphing calculator and regression analysis; reading/interpreting graphs of function and applications. Prerequisite: A grade of C or better in MAT 101, an ACT math sub-score of 19 (or higher), an SAT math sub-score of 460 (or higher), a KYOTE College Readiness placement score of 22 (or higher), or a COMPASS score of 36(or higher). Students will attend a total of five hours of lecture and laboratory per week taught by mathematics faculty and mathematics instructional counselors. **CREDIT: FOUR SEMESTER HOURS**