KENT STATE UNIVERSITY
CERTIFICATION OF CURRICULUM PROPOSAL

Preparation Date **17-Nov-17** Curriculum Bulletin _____

Effective Date **Fall 2018** Approved by EPC _____

Department	**Mathematical Sciences**
College	**AS - Arts and Sciences**
Degree	**Minor**
Program Name	**Applied Statistics** Program Banner Code
Concentration(s)	Concentration(s) Banner Code(s)
Proposal	**Establish program**

Description of proposal:
Create a minor in applied statistics.

Does proposed revision change program's total credit hours? ☐ Yes ☐ No

Current total credit hours: Proposed total credit hours

Describe impact on other programs, policies or procedures (e.g., duplication issues; enrollment and staffing considerations; need; audience; prerequisites; teacher education licensure):

We have created four new statistics courses that will be the core of this minor. Initially, we expect to staff these courses with current faculty. Many disciplines apply statistics. We would expect this minor to be of interest to a number of disciplines including areas of university priorities such as brain health and advanced materials. In addition, statistics is critical for areas such as actuarial mathematics and big data which we expect to be future areas of growth for the university.

Units consulted (other departments, programs or campuses affected by this proposal):

None

REQUIRED ENDORSEMENTS

_____   11 / 20 / 17
Department Chair / School Director

_____   ___ / ___ / ___
Campus Dean (for Regional Campuses proposals)

_____   12 / 1 / 17
College Dean (or designee)

_____   ___ / ___ / ___
Dean of Graduate Studies (for graduate proposals)

_____   ___ / ___ / ___
Senior Vice President for Academic Affairs and Provost (or designee)

MATH 154

Proposal Summary
Establish Applied Statistics Minor

Description of Action, Including Intended Effect

We are creating a minor in applied statistics.

Impact on Other Programs, Course Offerings, Students, Faculty, Staff (e.g., duplication issues)

Many disciplines apply statistics. We would expect this minor to be of interest to a number of disciplines including areas of university priorities such as brain health and advanced materials.

Fiscal, Enrollment, Facilities and Staffing Considerations

We have created four new statistics courses that will be the core of this minor. Initially, we expect to staff these courses with current faculty.

Evidence of Need and Sustainability if Establishing

Statistics is critical for areas such as actuarial mathematics and big data which we expect to be future areas of growth for the university.

Provisions for Phase-Out if Inactivating

NA

Timetable and Actions Required: *a chronology of actions required to approve the proposal with an anticipated implementation date for each action*

Department Approval: November 2017
CCC Approval: November 2017
EPC Approval: January 2018
Implemented: Fall 2018

MATH 155

Applied Statistics Minor:

Catalog Description:

The statistics minor allows students in any discipline to obtain a background in applied and computational statistics.

Requirements:

MATH 12002 ANALYTIC GEOMETRY AND CALCULUS I (5)
MATH 20011 DECISION MAKING UNDER UNCERTAINTY (3)
MATH 21001 LINEAR ALGEBRA AND ITS APPLICATIONS (3)
MATH 40015 APPLIED STATISTICS (3)
MATH 40024 COMPUTATIONAL STATISTICS (3)
MATH 40028 STATISTICAL LEARNING (3)

20 credit hours

MATH
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