



Department of
Mathematical Sciences

UNDERGRADUATE CURRICULUM CHANGE MEMO

Date: December 16, 2019

From: Art Duval, Department of Mathematical Sciences

Through: Maria Christina Mariani, Chair, Department of Mathematical Sciences

Through: Robert Kirken, Dean, College of Science

To: Carla Ellis, Chair, Undergraduate Curriculum Committee

Proposal Title: Catalog cleanup in Mathematical Sciences

After a careful review of our catalog, we have found numerous minor errors and updates:

- Deleting courses that have not been offered in several years: MATH 1508A, 1508B, 1508C, 1411A, 1411B, 1411C (precalculus and calculus each divided into three smaller courses – the full-semester versions, MATH 1508 and MATH 1411, continue to be taught); MATH 3309; MATH 3327
- STAT 1380: Updated title and small changes to course description
- STAT 4380: Updated title
- MATH 2320: Restricting prerequisites
- MATH 3329: Removing restriction to Juniors and Seniors
- MATH 3335: More specific course description
- MATH 4303: Removing restriction to Seniors
- MATH 4329: Updated and more specific course description

CURRICULUM CHANGE PROPOSAL

APPROVAL PAGE

Proposal Title: Catalog cleanup in Mathematical Sciences

College: Science

Department: Mathematical Sciences

DEPARTMENT CHAIR

I have read the enclosed proposal and approve this proposal on behalf of the department.



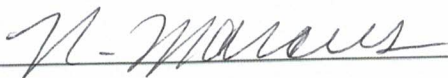
12/17/19

Signature

Date

COLLEGE CURRICULUM COMMITTEE CHAIR

I have read the enclosed documents and approve the proposal on behalf of the college curriculum committee.



1/31/20

Signature

Date

COLLEGE DEAN

I have read the enclosed documents and approve the proposal on behalf of the college. I certify that the necessary funds will be allocated by the college in support of this proposal.



1/31/20

Signature

Date

COURSE DELETE FORM

All fields below are required

College : Science

Department : Mathematical Sciences

Rationale for deleting the courses:

Courses have not been offered in several years

Courses to be deleted: (You may list several on the same sheet)

[illegible]

COURSE CHANGE FORM

All fields below are required

College : Science

Department : Mathematical Sciences

Rationale for changing the course:

The new title reflects that the service course is taken by non-math majors to learn basic statistics concept. New title made first phrase irrelevant. The "variability" is a more precise word (and less prone to misconceptions) than "spread". "Normal distribution" is a bigger focus than "binomial distribution". "Medical studies" is a more representative example from everyday life than "quality control".

All fields below are required

Subject Prefix and number STAT 1380

Course Title Descriptive & Inferential Stat

[illegible]

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These changes will be reflected in Banner, Goldmine, and the catalog

COURSE CHANGE FORM

All fields below are required

College : Science

Department : Mathematical Sciences

Rationale for changing the course:

To provide a more specific title. "Statistics" is too broad and there are no subsequent courses such as Statistics II & III, etc.

All fields below are required

Subject Prefix and number STAT 4380

Course Title Statistics I

Change	From	To
Ex. Prerequisite	Ex. POLS 2310	Ex. POLS 2312
Title	Statistics I	Statistical Inference

These changes will be reflected in Banner, Goldmine, and the catalog

COURSE CHANGE FORM

All fields below are required

College : Science

Department : Mathematics

Rationale for changing the course:

Course has intrinsic requirements contained in MATH 1312, but NOT in MATH 2301

All fields below are required

Subject Prefix and number Math 2320

Course Title Mathematics of Interest

Change	From	To
Ex. Prerequisite	Ex. POLS 2310	Ex. POLS 2312
Prerequisite	MATH 1312 or MATH 2301	MATH 1312

These changes will be reflected in Banner, Goldmine, and the catalog

COURSE CHANGE FORM

COPY OF CATALOG PAGE NOT REQUIRED

All fields below are required

College : Science

Department : Mathematical Sciences

Rationale for changing the course:

No one knows how this restriction was added to the course.

All fields below are required

Subject Prefix and number MATH 3329

Course Title Geometry

Change	From	To
Ex. Prerequisite	Ex. POLS 2310	Ex. POLS 2312
Classification restriction	Restricted to class of JR/SR	None

These changes will be reflected in Banner, Goldmine, and the catalog

COURSE CHANGE FORM

All fields below are required

College : Science

Department : Mathematical Sciences

Rationale for changing the course:

Use more specific descriptions for a subject of the course.

All fields below are required

Subject Prefix and number MATH3335

Course Title Applied Analysis I

Change	From	To
Ex. Prerequisite	Ex. POLS 2310	Ex. POLS 2312
Description	Line and surface integrals, change of variable in multiple integrals, vector analysis and an introduction to complex variables.	Line and surface integrals, change of variables in multiple integrals, differential and integral vector calculus including Green's theorem, divergence theorem, and Stokes' theorem, and an introduction to complex variables.

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COURSE CHANGE FORM

COPY OF CATALOG PAGE NOT REQUIRED

All fields below are required

College : Science

Department : Mathematical Sciences

Rationale for changing the course:

Course is offered less frequently now, making the classification restriction more of a burden.
The existing prerequisite is enough to ensure that students are prepared for the course.

All fields below are required

Subject Prefix and number MATH 4303

Course Title Fundamental Mathematics From An Adv. Standpoint

Change	From	To
Ex. Prerequisite	Ex. POLS 2310	Ex. POLS 2312
Classification restriction	Restricted to class of SR	None

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COURSE CHANGE FORM

All fields below are required

College : College of Sciences

Department : Mathematical Sciences

Rationale for changing the course:

Old course description needs an update.

All fields below are required

Subject Prefix and number MATH 4329

Course Title Numerical Analysis

[illegible]

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