GRADUATE STUDIES
SUMMARY OF PROPOSED CATALOG CHANGES

PROGRAM: _____MATH_____ FOR CATALOG YEAR: 2020-21

PROGRAM MODIFICATIONS (revised program description or admission requirements, change to total required credits, change in program course lists, revised faculty list)

None

NEW COURSES (New Course Proposal needed: Department, number, Title, CIP)

None

MODIFIED COURSES (titles, descriptions, credits)

MTH 531A – updated description
MTH 531B – updated description

SUSPENDED COURSES

MTH 531C – suspended

DELETED COURSES

None

ATTACHMENTS:

See attachment with old and revised descriptions

MTH 431 Proposed Catalog Changes – As approved by the Math Department on February 19, 2019

1) MTH 431B:

Current language:

MTH 431B – Metric Spaces

Extends analytic concepts to general metric spaces and mappings. Includes metric topology, convergence, continuity, and compactness.

Proposed language:

MTH 431B – Metric Spaces and Topology

Extends analytic concepts to general metric and topological spaces. Includes the notions of open and closed sets, continuity of functions, compactness and connectedness, as well as subspaces and product spaces.

2) Math 531B

Current Language:

Math 531B – Metric Spaces

Extends analytic concepts to general metric spaces and mappings. Includes metric topology, convergence, continuity, and compactness.

Proposed language:

MTH 531B – Metric Spaces and Topology

Extends analytic concepts to general metric and topological spaces. Includes the notions of open and closed sets, continuity of functions, compactness and connectedness, as well as subspaces and product spaces.

3) MTH 431A and MTH 431C

Current language:

MTH 431A - Integration

Introduces Lebesque and Riemann integration.

Proposed language:

MTH 431A – Integration and Infinite Series

Studies Riemann integration, then moves on to infinite series, including both sequences and series of functions.

Remove from Catalog

MTH 431C - Infinite Series

Extends the analysis of infinite series to series of functions. Topics include uniform convergence, power series, and trigonometric series.

5) MTH 531A and MTH 531C

Current language:

MTH 531A - Integration

Introduces Lebesque and Riemann integration.

Proposed language:

MTH 531A – Integration and Infinite Series

Studies Riemann integration, then moves on to infinite series, including both sequences and series of functions.

Remove from Catalog

MTH 531C - Infinite Series

Extends the analysis of infinite series to series of functions. Topics include uniform convergence, power series, and trigonometric series.