ACADEMIC ALERT #2011-16

DATE: **June 2011**

DECISION: **National College of Education (NCE)**

Revised Admission Requirements M.A.T. Secondary Education Mathematics Concentration

RATIONALE: In response to its NCATE Specialized Professional Association (SPA) accreditation review from the National Council of Teachers of Mathematics (NCTM), Secondary Education Mathematics concentration/discipline is required to revise its prerequisites for admission to the M.A.T. Secondary Education program with a mathematics concentration.

The feedback to the SPA report indicated weakness in two areas:

- One is that number theory needs to be addressed in a separate course. In order to address this weakness, a "Number Theory" course will be required as a prerequisite.
- The other area of weakness is in the program's failure to meet multiple standards regarding the history of the development of the different content areas within mathematics, including the contributions of different cultures to this development. In order to meet these standards, a History of Mathematics course will be required as a prerequisite.

APPROVAL(S): Senate Academic Planning Committee June 16, 2011

Current Program Authorizations: The M.A.T. Secondary Education is authorized by the Illinois Board of Higher Education (IBHE) to be offered in NLU's four home campus Illinois Regions: Chicago; North Suburban; South Metropolitan and West Suburban. In addition the M.A.T. Secondary Education is authorized to be offered in these Illinois regions: Fox Valley; Western; Prairie; and Central.

IMPLEMENTATION DATE: Effective for all students starting on or after January 1, 2012

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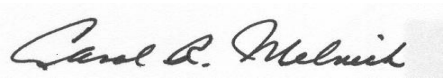

Carol R. Melnick, Ph.D.
Vice Provost

Revised Admission Requirements for M.A.T. Secondary Education Mathematics Concentration

Revisions:

- Add a Number Theory course (3SH/5QH)
- Add a History of Mathematics course (3SH/5QH)

There are no specific course level requirements.

Courses at NLU will be offered through the Mathematics/Quantitative Studies Department.

Adding these courses will decrease the elective semester hours from 8SH to 2SH, keeping the required math content semester hours at 32SH.

The M.A.T. Secondary Education with a concentration in mathematics requires 32SH with demonstrated competency in the following areas:

6SH of Calculus
3SH of Foundations of Geometry (or College Geometry)
3SH of Geometry (must be 300/400 level)
3SH of Number Theory
3SH of Modern/Abstract Algebra
3SH of Linear Algebra
3SH of Discrete Math
3SH of Probability and Statistics
3SH of History of Mathematics
2SH of Electives (formerly 8SH)

Implementation

Changes need to be entered in Banner, CAPP and/or NLU web pages as appropriate.

Staff in the Registrar's Office, Admissions, Advising, Enrollment Management, and Marketing need to be knowledgeable about the changes.

The Office of Admissions will send updated checklist letters and emails to all pending applicants. A separate notification explaining the change will be sent to all pending applicants by the Department of Secondary Education and/or Enrollment.

The revised catalog copy will be written by the Assistant Registrar for Schedules and Catalogs and submitted to the Vice Provost and program chair for review and approval for the 2012-2013 catalog.