MINUTES OF THE COUNCIL ON TEACHER EDUCATION **11/27/2012**
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The Council on Teacher Education met at 2:00 p.m. on Tuesday, November 27, 2012, in Room 2444 Buzzard Hall.

Members present: Dr. Belleville, Dr. Campanis, Dr. Cloward, Dr. Edmonds-Behrend, Dean Jackman, Dr. Lassak, Dr. Renaud, Dr. Ronspies, Dr. VanGunten, Ms. Diener, Ms. Kim, and Ms. Sronkoski

Guests present: Ms. Reed, Academic Advising, Vice President Weber, Business Affairs

Staff present: Dr. Bower and Ms. Wilson

I. Minutes

The minutes from the November 13, 2012, meeting were approved.

(Dr. Campanis entered during the discussion with Vice President Weber)

II. Communications

Vice President Weber is serving as the chair of the Program Analysis Steering Committee. He gave an overview of what this committee has been asked to do and their plan for accomplishing this task.

III. Items to be Added to the Agenda

None.

IV. Items to be Acted Upon

1. 12-11, Student Appeal (SA1)

Dr. Edmonds-Behrend presented the appeal for the Student Appeal sub-committee and their recommendation to approve the appeal. Dr. Campanis moved and Dr. Cloward seconded the motion to accept the sub-committee recommendation and approve the appeal. The motion passed unanimously.

2. 12-05, Proposal to revise the M.A. in Mathematics, Elementary/Middle School Mathematics Education Option.

The vote on this proposal was postponed from the November 13 meeting until the Council on Graduate Studies acted on this proposal. We received word that CGS approved this proposal today. Dr. VanGunten moved and Dr. Cloward seconded the motion to approve the proposal. The motion passed, with one abstention.

The item (see Attachment A) was approved, effective Fall 2013.

3. 12-06, Proposal to revise the M.A. in Mathematics, Secondary Mathematics Education Option.

The vote on this proposal was postponed from the November 13 meeting until the Council on Graduate Studies acted on this proposal. We received word that CGS approved this proposal today. Dr. Renaud moved and Dr. Campanis seconded the motion to approve the proposal. The motion passed, with one abstention.

The item (see Attachment B) was approved, effective Fall 2013.

V. Teacher Education Update/Executive Director's Report

1. Our bylaw revisions were approved by the President's Council. The updated version will be posted to the COTE website.
2. Dean Jackman has been asked by Linda Tomlinson to serve on a teacher education advisory committee.
3. On December 12, Dean Jackman and deans from other public universities will be meeting with the chair of the State Board and the State Superintendent regarding teacher education programs.

The meeting adjourned at 2:52 p.m.

Bonnie Wilson, Recorder

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ANNOUNCEMENT OF NEXT MEETING
Tuesday, December 11, 2012
Room 2444 Buzzard Hall, 2-3:30 p.m.

Agenda:
None at this time.

Attachment A

Masters in Mathematics – Mathematics Education (Elementary/Middle Level Option)

Degree Requirements
Candidates for the Master of Arts in Mathematics with Elementary/Middle School Education option must complete a minimum of 32 semester hours without a thesis or 30 semester hours with a thesis selected and approved by the Mathematics Department as outlined below.

Curriculum for the 32 Hour Option Without a Thesis

Total. Credits: 32

- ~~Basis Education Courses Total. Credits: 8~~
- Graduate Education Courses. Credits: 7

~~Contact the department of education for current list of appropriate courses.~~

Specific Requirements in Mathematics are as follows:

- MAT 4800 - Diagnosis, Remediation, and Technology in Teaching Mathematics, K-12. Credits: 2
- MAT 5400 - The Teaching of Mathematics in Grades K-6. Credits: 3
  or MAT 5500 -Methods of Teaching Mathematics at Middle Level
- MAT 5409 – Teachers as Researchers in Mathematics Education. Credits: 1
- ~~MAT 5410 - Introduction to Research in Mathematics Education. Credits: 3~~
- MAT 5410 – Action Research in Mathematics Education. Credits: 3
- MAT 59901 – Independent Study 1. Credits: 2
- MAT 59902 – Independent Study 2. Credits: 2

6 Semester Hours Chosen From:

Note: Topics taken from MAT 5810 must not have been previously completed as a topic from MAT 4810.

- MAT 5810A - Topics in Geometry for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810B - Topics in the History of Mathematics for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810D - Topics in Probability for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810E - Topics in Statistics for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810F - Topics in Number Theory for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810H - Topics in Computer Science for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810I - Topics in Mathematics for Elementary/Middle School Teachers I. Credits: 1 to 4
- MAT 5810J - Topics in Mathematics for Elementary/Middle School Teachers II. Credits: 1 to 4

6 Semester Hours Chosen From:

Note: Topics taken from MAT 4810 must not have been previously completed as a topic from MAT 5810.

- MAT 4810A - Topics in Geometry for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 4810B - Topics in the History of Mathematics for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 4810D - Topics in Probability for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 4810E - Topics in Statistics for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 4810F - Topics in Number Theory for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 4810H - Topics in Computer Science for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 4810I - Topics in Mathematics for Elementary/Middle School Teachers I. Credits: 1 to 4
- MAT 4810J - Topics in Mathematics for Elementary/Middle School Teachers II. Credits: 1 to 4
- MAT 4920 - Concepts of Algebra for Elementary and Middle Level Teachers. Credits: 3
- MAT 5810A - Topics in Geometry for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810B - Topics in the History of Mathematics for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810D - Topics in Probability for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810E - Topics in Statistics for Elementary/Middle School Teachers. Credits: 1 to 4

- MAT 5810F - Topics in Number Theory for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810H - Topics in Computer Science for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810I - Topics in Mathematics for Elementary/Middle School Teachers I. Credits: 1 to 4
- MAT 5810J - Topics in Mathematics for Elementary/Middle School Teachers II. Credits: 1 to 4

Curriculum for the 30 Hour Option With a Thesis

Total. Credits: 30

Same as Non-Thesis option with the following changes:

No Independent Study required

MAT 5950 - Thesis. Credits: 3 to 6 required

5 Semester Hours Chosen From:

Note: Topics taken from MAT 4810 must not have been previously completed as a topic from MAT 5810.

- MAT 4810A - Topics in Geometry for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 4810B - Topics in the History of Mathematics for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 4810D - Topics in Probability for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 4810E - Topics in Statistics for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 4810F - Topics in Number Theory for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 4810H - Topics in Computer Science for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 4810I - Topics in Mathematics for Elementary/Middle School Teachers I. Credits: 1 to 4
- MAT 4810J - Topics in Mathematics for Elementary/Middle School Teachers II. Credits: 1 to 4
- MAT 4920 - Concepts of Algebra for Elementary and Middle Level Teachers. Credits: 3
- MAT 5810A - Topics in Geometry for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810B - Topics in the History of Mathematics for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810D - Topics in Probability for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810E - Topics in Statistics for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810F - Topics in Number Theory for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810H - Topics in Computer Science for Elementary/Middle School Teachers. Credits: 1 to 4
- MAT 5810I - Topics in Mathematics for Elementary/Middle School Teachers I. Credits: 1 to 4
- MAT 5810J - Topics in Mathematics for Elementary/Middle School Teachers II. Credits: 1 to 4

Attachment B

Masters in Mathematics – Mathematics Education (Secondary Option)

Degree Requirements
Candidates for the Master of Arts in Mathematics with Secondary Education Option must complete a minimum of 32 semester hours without a thesis or 30 semester hours with a thesis selected and approved by the Mathematics Department as outlined below.

Curriculum for the 32 Hour Option Without a Thesis

Total. Credits: 32
(Mathematics Total. Credits: ~~27~~ 28)

- ~~Basic Education Courses. Credits: 5~~

~~(Contact the department of education for current list of appropriate courses)~~

- Graduate Education Courses. Credits: 4

Specific Requirements in Mathematics are as follows

- MAT 4800 - Diagnosis, Remediation, and Technology in Teaching Mathematics, K-12. Credits: 2
- MAT 5409 – Teachers as Researchers in Mathematics Education. Credits: 1
- ~~MAT 5410 - Introduction to Research in Mathematics Education. Credits: 3~~
- MAT 5410 – Action Research in Mathematics Education. Credits: 3
- MAT 5700 - Topics in Teaching Mathematics. Credits: 2 to 4
  (repeatable, 6 hours required)
- MAT 59901 – Independent Study 1. Credits: 2
- MAT 59902 – Independent Study 2. Credits: 2

~~6 Semester Hours Chosen From:~~
12 Semester Hours Chosen From:

- MAT 4750 - Linear Programming. Credits: 3
- MAT 4760 - Linear Algebra. Credits: 4
- MAT 4830 - Introduction to Complex Analysis with Applications. Credits: 3
- MAT 4850 - Operations Research. Credits: 3
- MAT 4855 - Introduction to Topology. Credits: 3
- MAT 4860 - Mathematical Analysis. Credits: 4
- MAT 4870 - Data Structures and Algorithm Analysis. Credits: 3
- MAT 4900 - History of Mathematics. Credits: 3
- MAT 4910 - Number Theory. Credits: 3
- MAT 4970 - Principles of Operating Systems. Credits: 3
- MAT 5035 - Topics in Computer Science. Credits: 4
- MAT 5100 - Abstract Algebra. Credits: 4
- MAT 5151 - Probability. Credits: 4
- MAT 5152 - Statistics. Credits: 4
- MAT 5200 - Higher Geometry. Credits: 4
- MAT 5210 - An Introduction to Differential Geometry. Credits: 4
- MAT 5220 - Topology. Credits: 4
- MAT 5301 - Real Variables. Credits: 4
- MAT 5330 - Complex Variables. Credits: 4
- MAT 53351 – Topics in Mathematics 1. Credits: 2 to 4
- MAT 53352 – Topics in Mathematics 2. Credits: 2 to 4
- MAT 53353 – Topics in Mathematics 3. Credits: 2 to 4

Curriculum for the 30 Hour Option With a Thesis

Total. Credits: 30
(Mathematics Total. Credits: 25)
Same as Non-Thesis option with the following changes:
No independent study required
MAT 5950 - Thesis. Credits: 3 to 6 required
~~5 Semester Hours Selected From:~~
11 Semester Hours Selected From:

- MAT 4750 - Linear Programming. Credits: 3
- MAT 4760 - Linear Algebra. Credits: 4
- MAT 4830 - Introduction to Complex Analysis with Applications. Credits: 3
- MAT 4850 - Operations Research. Credits: 3
- MAT 4855 - Introduction to Topology. Credits: 3
- MAT 4860 - Mathematical Analysis. Credits: 4
- MAT 4870 - Data Structures and Algorithm Analysis. Credits: 3
- MAT 4900 - History of Mathematics. Credits: 3
- MAT 4910 - Number Theory. Credits: 3
- MAT 4970 - Principles of Operating Systems. Credits: 3
- MAT 5035 - Topics in Computer Science. Credits: 4
- MAT 5100 - Abstract Algebra. Credits: 4
- MAT 5151 - Probability. Credits: 4
- MAT 5152 - Statistics. Credits: 4
- MAT 5200 - Higher Geometry. Credits: 4
- MAT 5210 - An Introduction to Differential Geometry. Credits: 4
- MAT 5220 - Topology. Credits: 4
- MAT 5301 - Real Variables. Credits: 4
- MAT 5330 - Complex Variables. Credits: 4
- MAT 53351 – Topics in Mathematics 1. Credits: 2 to 4
- MAT 53352 – Topics in Mathematics 2. Credits: 2 to 4
- MAT 53353 – Topics in Mathematics 3. Credits: 2 to 4