November 10, 2010

MEMORANDUM

TO: Donna Wiseman
   Dean, College of Education

FROM: Elizabeth Beise
       Associate Provost for Academic Planning and Programs

SUBJECT: Proposal to Modify the Curriculum of the B.S. in Elementary Education (PCC log no. 10020).

On November 5, 2010, the Senate PCC committee approved your proposal to modify the curriculum of the B.S. in Elementary Education. A copy of the approved agreement is attached.

The change is effective Spring 2011. The College should ensure that the change is fully described in the Undergraduate Catalog and in all relevant descriptive materials, and that all advisors are informed.

MDC/

Enclosure

cc: David Salness, Chair, Senate PCC Committee
    Sarah Bauder, Office of Student Financial Aid
    Reka Montfort, University Senate
    Erin Howard, Data Administration
    Donna Williams, Institutional Research & Planning
    Anne Turkos, University Archives
    Linda Yokoi, Office of the Registrar
    James Dietz, Undergraduate Studies
    Steve Koziol, College of Education
    Francine Hultgren, Curriculum and Instruction
THE UNIVERSITY OF MARYLAND, COLLEGE PARK
PROGRAM/CURRICULUM/UNIT PROPOSAL

- Please email the rest of the proposal as an MSWord attachment to pcc-submissions@umd.edu.
- Please submit the signed form to the Office of the Associate Provost for Academic Planning and Programs, 1119 Main Administration Building, Campus.

College/School: College of Education
College/School Unit Code-First 8 digits: 01203100
Unit Codes can be found at: https://hypprod.umd.edu/Html_Reports/units.htm

Department/Program:
Department/Program Unit code-Last 7 digits: 1310901

Type of Action (choose one):
- Curriculum change (including informal specializations)
- New academic degree/award program
- Renaming of program or formal Area of Concentration
- New Professional Studies award iteration
- Addition/deletion of formal Area of Concentration
- New Minor
- Suspend/delete program
- Other

Italics indicate that the proposed program action must be presented to the full University Senate for consideration.

Summary of Proposed Action: To revise the courses applicable to the mathematics area of emphasis within the B.S. in Elementary Education. The area of emphasis requires 18 credit hours. The availability of new courses in the MATH department, Math 312, 314, 315, allows us to include courses that are highly appropriate for teachers. Attached is a list of the current and proposed courses applicable to the mathematics area of emphasis. Students currently in the Elementary Education program will be allowed to follow either list of courses for a mathematics area of emphasis and may substitute one or more of the three new mathematics courses (MATH 312, 314 or 315) for courses on the current list. Students admitted to Pre-Elementary Education or Professional Elementary Education after December 1, 2011, will be required to follow the new list.

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APPROVAL SIGNATURES - Please print name, sign, and date. Use additional lines for multi-unit programs.

1. Department Committee Chair Anna Graeber
   [Signature] 4/24/2010

2. Department Chair Linda Valli
   [Signature] 4/28/10

3. College/School PCC Chair Robert Croninger

4. Dean
   [Signature] 1/27/10

5. Chair, Senate PCC
   [Signature] 11/5/10

6. Chair, College PCC
   [Signature] 10/12/10 (Robert Croninger)

7. University Senate Chair (if required)

8. Vice President for Academic Affairs & Provost
   [Signature] 11/10/2010
CURRENT LIST- 18 credits required,  
(courses omitted in the Proposed List are typed in strikethrough)

<table>
<thead>
<tr>
<th>MATHEMATICS</th>
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<tbody>
<tr>
<td><strong>Required:</strong></td>
</tr>
<tr>
<td><strong>Electives:</strong></td>
</tr>
<tr>
<td>*MATH 110 or 113</td>
</tr>
<tr>
<td><strong>MATH 111</strong></td>
</tr>
<tr>
<td>MATH 115</td>
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<tr>
<td>*MATH 220 or 140</td>
</tr>
<tr>
<td>*MATH 221 or 141</td>
</tr>
<tr>
<td>Other MATH course (with advisor approval)</td>
</tr>
<tr>
<td>Other STAT course (with advisor approval)</td>
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</tbody>
</table>

*Credit cannot be given for both MATH 110 and MATH 113; Credit cannot be given for both MATH 113 and MATH 115. MATH 113 is preparation for MATH 220 and MATH 115 is generally considered as preparation for MATH 140.

**MATH 111 and STAT 100 will be accepted as area of emphasis requirements; however, the University will only accept credit for one of these courses.

PROPOSED LIST – 18 credits required  
(New courses are in bold type)

<table>
<thead>
<tr>
<th>MATHEMATICS</th>
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<tbody>
<tr>
<td><strong>Required:</strong></td>
</tr>
<tr>
<td>At least two courses from among MATH 312, 314, 315*</td>
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<tr>
<td><strong>Electives:</strong></td>
</tr>
<tr>
<td>MATH 111</td>
</tr>
<tr>
<td>*MATH 113 or MATH 115</td>
</tr>
<tr>
<td>*MATH 220 or 140</td>
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<tr>
<td>*MATH 221 or 141</td>
</tr>
<tr>
<td>EDMS 451: Note: Credit will be given for only one of EDMS451, MATH 315</td>
</tr>
<tr>
<td>Other MATH course (with advisor approval)</td>
</tr>
<tr>
<td>Other STAT course (with advisor approval)</td>
</tr>
</tbody>
</table>

Credit cannot be given for both MATH 113 and MATH 115. MATH 113 is preparation for MATH 220 and MATH 115 is generally considered as preparation for MATH 140.

*Math 312 Reasoning, Justification, and Proof for Pre-service Middle School Teachers
Math 314 Introduction to Probability, Data Analysis, and Statistics for Pre-service Middle School Teachers
Math 315 Algebra for Preservice Middle School Teachers