OBJECTIVES/ORGANIZATION

I. Objectives

• to study, discuss, and make critical analyses of some authoritative reports of committees and commissions and research reports dealing with school mathematics education

• to become familiar with the major problems/issues facing mathematics educators at all school levels

• to become familiar with some of the literature of Mathematics Education in recent years

• to gain an overall perspective on the discipline of Mathematics Education

II. Requirements

A. Required Reading


5. Reports prepared by students in class
6. Research reports and other materials handed out regularly in class meetings

B. Oral/Written Reports

1. Each student will be given material to read/study on which a report will be made to the class: a) an oral report to the class, b) a written report which is duplicated and handed out to each class member. (Keep the original copy for yourself.)

2. Write a paper on the topic “Mathematics Teacher Education” [Final paper]

   The paper must be typewritten, double spaced and written carefully; correct spelling, correct grammar, complete and related sentences, transitions between paragraphs, appropriate “sectioning” and complete documentation (APA style). Staple in upper left corner and put your name, course number, and date in upper right corner – no cover sheets or plastic covers. Keep a Xerox copy for yourself.

C. Each student will keep a complete, neat notebook on all required readings, lectures, discussions, etc. Keep all this in a large three inch, 3-ring notebook–an inexpensive one is OK–(available in the Bookstore).

D. Come to all scheduled class meetings, participate in class discussions.

III. Assessment/Evaluation

Students will be assessed based on:

GRADING CRITERIA

Class Report 100 points
Attendance 20 points
Evaluation of Notebook 40 points
Final paper 40 points

GRADING SCALE

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>90%-100%</td>
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<tr>
<td>B</td>
<td>80%-89%</td>
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<tr>
<td>C</td>
<td>70%-79%</td>
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<tr>
<td>D</td>
<td>60%-69%</td>
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<tr>
<td>F</td>
<td>0%-59%</td>
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IV. Recommended Memberships in Professional Organizations:
A. Illinois Council of Teachers of Mathematics (ICTM)

B. National Council of Teachers of Mathematics (NCTM)

V. Topical Outline

1. Teaching & Learning Mathematics
2. Mathematics Teacher Education
3. International Comparative Research in Mathematics Education
4. Technology & Mathematics Education