Major Objectives of the Course
The course is offered as a means of familiarizing the students with current research practices in Mathematics Education. This will include research techniques and experimental design. Thus the course should enable the student to read and evaluate current research reports and determine the appropriate application of the results to his/her teaching of mathematics.
A. Students will become knowledgeable of the resources available to research a topic in Mathematics Education.
B. Students will be able to read, analyze and interpret research in research in mathematics education.
C. Students will be able to employ a variety of research techniques.
D. Students will formulate a question and design a study with appropriate design to examine the question.

Course Outline
A. Reviewing the literature.
   1. Sources of research in mathematics education i.e. ERIC, JRME, etc.
   2. Techniques of on-line searching for information.
B. The Nature of Educational Research
C. Strategy of Descriptive Research
   1. Survey Studies
   2. Correctional Studies
   3. Developmental Studies
D. Strategies for Statistical Studies
   1. Non parametric techniques
E. Strategies for Case Studies.
F. Strategies for Philosophical Research.
G. Strategies of Historical Research
   I. Formulation of a question and design of study.

Evaluation
40% Papers and weekly assignments. This must be sent to me by Sunday 11pm. Blogs completed by Monday at midnight.
30% Presentations and Tests
10% Class participation- This is not an attendance grade.
20% Final Proposal
Materials

You must activate your student email. You have to have this active in order to access the databases from off campus. We will do as much as possible electronically but you will expected to read substantial amount of material as a part of this course.

All announcements and some documents will be distributed by BSC student email.

You will be asked to use the Library outside of class time regularly. Therefore you will need a current SUNY card. It is suggested that you buy a style manual.

You will need access to a computer with Internet service.
You will need a notebook for handouts.

Attendance: Attendance is mandatory. Attendance is mandatory. Your final grade will be lowered a plus or minus for each absence greater than one class. Partial attendance counts as a absence.

Grades

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<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>100 - 95 %</td>
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<tr>
<td>A-</td>
<td>92 - 90 %</td>
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<tr>
<td>A+</td>
<td>89 - 87 %</td>
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<tr>
<td>B</td>
<td>86 - 83 %</td>
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<tr>
<td>B-</td>
<td>82 - 80 %</td>
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<tr>
<td>B+</td>
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<td>C</td>
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<td>79 - 77 %</td>
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<tr>
<td>C-</td>
<td>72 - 70 %</td>
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<tr>
<td>E</td>
<td>69 - 0 %</td>
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Behavior: "All students are expected to comport themselves in a manner that does not convey to others in the college community any disrespect, intolerance, or rude behavior based on age, race, religion, color, national origin, gender, sexual orientation, disability, or marital, veteran, or socioeconomic status. All members of the college community are expected to contribute to the college environment to move the college community in the direction of respect for all".and "The instructor may have removed from the classroom anyone who, in the instructor's opinion, is disrupting the educational process, and pursue formal changes against the student under the college judicial system, pursuant to Buffalo State College's Procedure Regarding Disruptive Individuals."

Use of Cell Phones:

Only leave your cell phone on if you are facing an emergency situation. Please inform me in advance. Otherwise please turn it off or choose vibrate as your ringer. No use of the cell phone what so ever is allowed during class.

Academic Honesty Policy:

You are expected to complete assignments on your own. No collusion is permitted on homework, projects, tests or writings. The penalty for collusion is a zero for that assignment or failure of the course depending upon the infraction. If you are unable to take a test a notice of 2
hours must be given. Documentation is required.

**Accommodations for Students with Disabilities:**

"If you have a disability or suspect that you have a disability that requires any type of accommodation to fulfill the requirements of this course, please contact the Office of Special Services for Students with Disabilities at 878-4500."