Course Title and Credit Hours: MATH 4711 Mathematics Seminar, 1 hour

Course Objectives:

1) To provide an overview of the mathematics the student has studied;
2) To improve the student's written and oral communication skills;
3) To acquaint the student with some of the basic library research techniques in mathematics;
4) To validate the student's mathematics background.

Course Prerequisites: Junior or Senior standing mathematics major or minor. This course is required for all mathematics majors.

Required Text & Material: None

Course Content & Schedule Outline:

The course requires that each student conduct library research on a specific mathematics topic. The instructor must approve the chosen topic. The student should search through the mathematics literature and gain detailed knowledge of the topic. The student is required to submit a word processed report with references and to give a 30 minute oral presentation on the topic.
Academic Alert:

The Academic Alert System is a retention program that puts students in contact with the appropriate campus resources to assist them in meeting their educational goals at UAM. If you are doing poorly in your academic work, are chronically absent from class, are exhibiting disruptive behavior or are having difficulty adjusting to campus life, University faculty, staff or a fellow student may report you to the Office of Academic Affairs through the Academic Alert system.

Students with Disabilities:

It is the policy of the University of Arkansas at Monticello to accommodate individuals with disabilities. It is the policy of the University of Arkansas at Monticello to accommodate individuals with disabilities pursuant to federal law and the University’s commitment to equal educational opportunities. It is the responsibility of the student to inform the instructor of any necessary accommodations at the beginning of the course. Any student requiring accommodations should contact the Office of Special Student Services located in Harris Hall Room 120; phone 870 460-1026; TDD 870 460-1626; Fax 870 460-1926; email: whitingm@uamont.edu.

For assistance on a College of Technology campus contact:
McGehee: Office of Special Student Services representative; phone 870 222-5360; fax 870 222-1105.
Crossett: Office of Special Student Services representative; phone 870 364-6414; fax 870 364-5707.

GRADING PROCEDURE:

Oral Presentation*\[50\%\]

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<thead>
<tr>
<th>Organization</th>
<th>Clarity of Presentation</th>
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<tbody>
<tr>
<td>Accuracy and Completion</td>
<td>Quality of Visual aids</td>
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<td>Ability to Answer Questions</td>
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Written Report \[50\%\]

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<tr>
<th>Organization and Detail</th>
<th>Accuracy and Completion</th>
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<tr>
<td>References</td>
<td>Grammar</td>
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GRADE SCALE:

A: 90% - 100%    B: 80% - 89% c: 70% - 79%    D: 60% - 69%    F: Blow 69%

PROCEDURE:

Each student will find a faculty mentor who will assist the student in selecting a topic and researching the topic. Each student will meet with the course instructor at least once per month to review the student's progress. It is the responsibility of the student to find a mentor and to schedule meetings with the course instructor. The research paper must be submitted at least one week prior to the presentation. All presentations must occur before the start of final examinations.

The seminar presentation should be organized along the following lines:

**Seminar Organization**

I. Introduction  
II. Background  
III. Significance  
IV. Major Aspects or Applications  
V. Summary  
VI. Conclusions

COURSE POLICY:

The instructor will assign each student a date on which to make his/her oral presentation. The date and time of the presentation will be announced to the mathematics faculty. Other students and faculty will be invited to attend the presentation. All students enrolled in the course are required to attend all of the student presentations. The written report is due one week prior to the oral presentation. Cheating and plagiarism will result in a failing grade.

*To ensure objectivity all mathematics faculty present will grade the oral presentation. An average of the faculty evaluations of the oral presentation will constitute 50% of the total grade.
Student Conduct Statement:

Students at the University of Arkansas at Monticello are expected to conduct themselves appropriately, keeping in mind that they are subject to the laws of the community and standards of society. The student must not conduct him/herself in a manner that disrupts the academic community or breaches the freedom of other students to progress academically.

Academic Dishonesty:

1. Cheating: Students shall not give, receive, offer, or solicit information on examinations, quizzes, etc. This includes but is not limited to the following classes of dishonesty:
   a. Copying from another student’s paper;
   b. Use during the examination of prepared materials, notes, or texts other than those specifically permitted by the instructor;
   c. Collaboration with another student during the examination;
   d. Buying, selling, stealing, soliciting, or transmitting an examination or any material purported to be the unreleased contents of coming examinations or the use of any such material;
   e. Substituting for another person during an examination or allowing such substitutions for oneself.
2. Collusion: Collusion is defined as obtaining from another party, without specific approval in advance by the instructor, assistance in the production of work offered for credit to the extent that the work reflects the ideas of the party consulted rather than those of the person whose name is on the work submitted.
3. Duplicity: Duplicity is defined as offering for credit identical or substantially unchanged work in two or more courses, without specific advanced approval of the instructors involved.
4. Plagiarism: Plagiarism is defined as adopting and reproducing as one’s own, to appropriate to one’s use, and to incorporate in one’s own work without acknowledgement the ideas or passages from the writings or works of others.

For any instance of academic dishonesty that is discovered by the instructor, whether the dishonesty is found to be cheating, collusion, duplicity, or plagiarism, the result for the student(s) involved will be a grade of zero. In addition, all occurrences will be reported to the Vice Chancellor for Academic Affairs for other possible actions.

Important Dates:

- Wednesday, August 19: First day of classes
- Friday, August 21: Last day to register or add classes
- Monday, September 7: Labor Day Holiday
- Wednesday, October 28: Last day to drop or withdraw with a W.
- Monday, November 2-Friday, November 13: Preregistration for spring.
- Wednesday, November 25- Friday, November 27: Thanksgiving holidays.
- Friday, December 4: Last day of classes
- Monday, December 7- Friday, December 11: Final exam period
- Wednesday, December 2, 1:00 – 2:30: Final Presentation
# Evaluation of Oral Presentation

**Evaluator _____________________**

**Student _____________________**

**Date**  
*Wednesday, December 2, 1:00-2:30 SC A3*

**I. organization**  
(circle a numerical grade below)  
poor 1 2 3 4 5 6 7 8 9 10 best

**II. clarity of presentation**  
(circle a numerical grade below)  
poor 1 2 3 4 5 6 7 8 9 10 best

**III. accuracy and completion**  
(circle a numerical grade below)  
poor 1 2 3 4 5 6 7 8 9 10 best

**IV. quality of visual aids**  
(circle a numerical grade below)  
poor 1 2 3 4 5 6 7 8 9 10 best

**V. ability to answer questions**  
(circle a numerical grade below)  
poor 1 2 3 4 5 6 7 8 9 10 best

**VI. Mathematical Content**

poor 1 2 3 4 5 6 7 8 9 10 best

**Comments**

**Summary Grade**  
(Circle One)

A  A−  B+  B  B−  C+  C  C−  D+  D  D−  F