

Dakota College at Bottineau Course Syllabus

Course Prefix/Number/Title:

Math 277 Math for Elementary Teachers I, 3 credits

Course Description:

A mathematics content course for prospective elementary school teachers. Topics include problem solving, numeration systems, real numbers, and elementary number theory. Calculators, computers, and manipulatives are used in the course.

Course Objectives:

1. Students will understand the content of elementary school mathematics.
2. Students will be able to work with problem solving and its applications.
3. Students will be able to work with numeration systems and their applications.
4. Students will be able to work with real numbers.
5. Students will be able to work with elementary number theory.
6. The application of calculators and manipulatives will be stressed in the course.

Instructor:

Scott Johnson

Office:

Nelson Science Center 110

Office Hours:

MWF 1:00-2:00

Phone:

(701)-228-5474

Email:

scott.johnson@dakotacollege.edu

Lecture:

MWF 8:00-8:50
Nelson Science Center 125

Textbook/Calculator:

Mathematics for Elementary Teachers, 10th Addition by Bennett, Burton, Nelson, and Ediger

Course Requirements:

The sequential nature of mathematics deems it necessary for students to attend class on a regular basis, therefore one of the course requirements is regular attendance. Grades will be based on exams and selected homework assignments using the following scale. Exams and homework cannot be made up without special permission from the professor. FINAL EXAM WILL BE GIVEN DURING THE SCHEDULED TIME.

A = 90-100%

B = 80-89%

C = 70-79%

D = 60-69%

F= 59-0%

General Education Goals/Objectives:**Competency/Goal 3: Demonstrates the ability to solve a variety of mathematical problems****Learning Outcome 1: Utilizes mathematical skills to solve problems**

- Performance Indicator 1: Solves problems using an appropriate method
- Performance Indicator 2: Produces graphs

Relationship to Campus Theme:

Mathematics 277 emphasizes technology through the use of graphic calculators and nature through modeling.

Classroom Policies:

Please refrain from any behavior that would disrupt the class. Cell phones can only be used in emergency situations and they must be turned to vibrate. The academic environment is an open and harassment free environment. Participation is encouraged.

Academic Integrity:

If there is evidence of cheating on an exam the student will receive an F on the respective exam or assignment.

Disabilities and Special Needs:

If you have a disability for which you will need accommodation, contact the Learning Center to request disability support services.

Thatcher Hall 1104; phone 701-228-5477 or toll free 1-888-918-5623.

Student Email Policy:

Dakota College at Bottineau is increasingly dependent upon email as an official form of communication. A student's campus-assigned email address will be the only one recognized by the campus for official mailings. The liability for missing or not acting upon important information conveyed via campus email rests with the student.