

SCHOOL OF MATHEMATICAL & NATURAL SCIENCES COURSE SYLLABUS
DISCRETE MATHEMATICS
MATH 3513, SPRING 2006

INSTRUCTOR	OFFICE	OFFICE HOURS
Dr. Farrokh Abedi	Science Center A 9	MWF: 9:00-10:00, MW: 1:30-3:30;
email: abedi@uamont.edu Phone 460-1216		TH: 9:00-11:00, 2:00-3:30 or by appointment

MEETING TIMES & LOCATIONS: TH 11:00-12:20 Science Center A3

REQUIRED TEXT & MATERIAL: *Discrete Mathematics and Its Applications*, 5th ed., by Kenneth H. Rosen.

OPTIONAL MATERIAL: A graphing calculator such as the TI-83, or better, is recommended.

COURSE PREREQUISITES: A grade of C or better in Calculus I.

COURSE GOALS:

- I. To develop an understanding of the foundations of logic, construction of algorithms, and methods of proof.
- II. To learn methods of counting and their applications to probability theory.
- III. To learn the fundamental principles of relations, graphs, and their applications to real world problems.

COURSE CONTENT

- 1) Logic, Sets, and Functions
- 2) Algorithms, Integers, and Matrices
- 3) Mathematical Reasoning, and Counting Principles
- 4) Relations, and Graphs

GRADING: In addition to the chapter exams and the comprehensive final exam, there will be quiz and homework assignments that will contribute to your grade.

Chapter tests	60%
Class presentations	10%
Homework and quizzes	15%
Comprehensive Final Examination	15%

Scale:

0 -59% = F, 60-69% = D, 70-79% = C, 80-89% = B, 90-100% = A

Special Policies:

1. If one exam is missed the percentage grade of the final exam will substitute for the grade of that exam. If no exams are missed the percentage grade of the final may substitute for the lowest exam grade if the final exam percentage is higher. If two (or more) exams are missed a grade of **zero** will be given for the second (and subsequent) tests missed. There are no makeup tests and quizzes.
2. You are expected to attend all class meetings and make a serious attempt at all assigned work. There are no excused absences. If you must miss a class then you are responsible for all material covered during that class. Your signature on the attendance sheet is official record of your attendance. It is your responsibility to make sure that you have signed each attendance sheet provided by the instructor. If you miss as many as 4 classes then you may be removed from the course with a grade of "W" or "F."

EXPECTATIONS OF THE STUDENT:

It is necessary to diligently work all homework assignments. You should read the material for the next lecture prior to the class. Many concepts are built on previous concepts.

IMPORTANT DATES:

Wednesday, January 11	First day of classes.
Monday, January 16	Martin Luther King holiday. Offices and classes closed.
Wednesday, January 18	Last day to register or add classes.
Wednesday, March 1	Deadline to file for August/December graduation.
Mon. - Fri., March 20 - 24	Spring Break
Monday, April 3	Preregistration for summer and fall begins.
Wednesday, April 5	Last day to drop with W.
Friday, April 14	Preregistration for Spring, 2006 ends.
Thursday, April 27	Last day to withdraw from class.
Tuesday, May 2	Last day of classes.
Wed. - Tues., May 3 - 9	Final exam period.
Friday, May 12	Commencement

Monday, May 8, 10:30-12:30

Final Exams

STUDENTS 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.

McGehee: Office of Special Student Services representative on campus; phone 870 222-5360; fax 870 222-4709.

Crossett: Office of Special Student Services representative on campus; phone 870 364-6414; fax 870 364-5707.

The following action is prohibited under the Student Conduct Code:

Disorderly Conduct: Any behavior which disrupts the regular or normal functions of the University community, including behavior which breaches the peace or violates the rights of others.

UAM will no longer mail grade reports to all students. You may access your grades through Campus Connect on the UAM homepage, <http://www.uamont.edu/>. To have your grades mailed to you, complete the grade request form available in the Registrar's Office in Monticello or the Student Services offices in Crossett and McGehee.