

Class Schedule: TTR 10:50am-12:05pm (75 minutes, period 3)
Class Room: 221 Goodwyn Hall

Professor: Dr. Jerome Goddard II
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Office Hours: TTR 4:00-4:30pm, W 9:30am-12:00pm & 2:00-5:00pm (others by appointment)

Important Dates:

September 3-4	Labor day & student holiday!
October 24	Last day to drop/resign classes
November 19-23	Thanksgiving holidays!
December 4	Last day of classes
Thursday, December 6, 10:45am-1:15pm	Final Exam

Text: **Finite Mathematics, for Business, Economics, Life Sciences, and Social Sciences**
Barnett, Ziegler, and Byleen (12e), Prentice Hall 2011

Catalog Description:

MATH 1100

3 credit hours

Finite Mathematics

Primarily for students not continuing to calculus. Sets, counting, permutations, combinations, basic probability, Bayes' Theorem, descriptive statistics, binomial and normal distribution, matrices, applications of matrices to Markov chains and decision theory. Additional topics as time allows.

Course Objectives:

Selected topics from chapters 1 - 11. Upon successful completion of this course the student will demonstrate an understanding of and ability to apply each of the following topics (time permitting):

- Basic set theory and logic
- Counting, permutations, and combinations
- Basic probability and Bayes' theorem
- Descriptive statistics and distributions including:
 - Binomial distribution
 - Normal distribution
- Basic linear algebra including matrices and applications of matrices
- Markov chains
- Decision theory

Prerequisites: MATH 0800 (Intermediate Algebra) **OR** an equivalent course **OR** an appropriate score on the AUM Math Placement Test.

Calculator: According to AUM Department of Mathematics Calculator Policy, students are encouraged to possess a graphing calculator. A Texas Instrument's TI-84 (TI-83 or TI-82) is recommended. Calculators are allowed on assignments/exams, but students are still required to show, step by step, all of the mathematical procedure for the solution. **Graphing calculators featuring a CAS (e.g. TI-89 or TI-92) are not allowed.**

Electronic Devices: Cell phones, computers, tablets, and other electronic devices (except approved calculators) should be powered off, set to emit no audible sound (including vibration and messaging), and put away during class.

*****Use of cell phones for any purpose during class is in violation of class policy*****

Free Tutoring: Free one-on-one tutoring is available in the Learning Center (LC), located in 325 Moore Hall (Phone: 334-244-3470). Students can call or stop in for an appointment. In addition, the LC hosts several calculator workshops. The Instructional Support Lab (ISL) located in 203 Goodwyn Hall (Phone: 334-244-3265) is another free tutorial center that is available to assist AUM students. Tutorial services at the ISL are available on a first come, first serve basis--no appointment necessary. Also, please feel free to come by my office during regular office hours for help.

Academic Integrity: As a student in this class you are committed to abide by the standards of academic integrity stated in the AUM catalog. Cheating of any form is not tolerated. Violators will receive an "F" course grade for any offense.

Attendance: Class attendance is mandatory and will be taken at each class by your signing an attendance sheet. Failure to sign the attendance sheet will be counted as an absence. A student is considered to be absent if they come in after attendance has been taken or leave early. **Students are solely responsible for catching up on material that they miss due to any absence.** You may earn up to 6 extra points for attendance.

Assignments: Problems from each textbook section will be assigned in class and should be completed before the next class period. However, textbook homework will not be collected nor graded. In addition, several short in-class quizzes will be given with or without advance notice. The average of the quiz grades will be counted as one test grade.

Grades:

300pts	Three in-class tests (100pts each)
100pts	Quiz average
200pts	Comprehensive final exam

You may earn up to 6 additional points based on attendance

Your total points from above will be **divided by 6** to calculate your course grade.

Final grades will be assigned as follows:

90 – 100	A	* All borderline cases will be determined according to student participation, class attendance, and overall performance.
80 – 89	B	
70 – 79	C	
60 – 69	D	
59 – 0	F	

Makeup Tests: NO makeup tests are allowed. Should you miss a test, the final exam scaled to a 100 point grade will replace only **one** missed test. There are no makeups allowed for quizzes.

Accommodation Notice: It is the policy of AUM to provide appropriate modifications, accommodations or auxiliary aids to any student with a documented disability as defined by Section 504 of the Rehabilitation Act of 1973, as amended, and by the Americans with Disabilities Act (ADA) of 1990, and the ADA Amendments Act of 2008. It is the student's responsibility to request accommodations and provide appropriate documentation. Students with disabilities are encouraged to contact the Center for Disability Services (CDS) in Room 101 Taylor Center or call CDS at (334) 244-3631 prior to or upon enrollment at AUM.