

Math 365: Mathematical Probability
Winter 2011
MTWF 11-11:50am in MNB 104

Professor: Dr. Cheryl Beaver
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Final Exam Wednesday, March 16 10-11:50 am

OFFICE HOURS & SCHEDULE					
Time	Monday	Tuesday	Wednesday	Thursday	Friday
8	MTH 440	MTH 211	MTH 440		MTH 440
9	MTH 211		MTH 211		MTH 211
10	Office	Office	Office		Office
11	MTH 365	MTH 365	MTH 365		MTH 365
12		Office			
1					
2					

Please feel free to drop by my office during my office hours for help. You do not need to make an appointment to come to office hours. At times other than my listed office hours you are welcome and encouraged to call or email me with questions about the course. If you have direct scheduling conflicts with my office hours and would like further help, please let me know.

COURSE PREREQUISITE

MTH 253 or 254 with grade C- or better

REQUIRED COURSE MATERIALS

Text: *Probability and Statistical Inference, 8th Edition*, Hogg and Tanis

Calculator: A TI-84 calculator is highly recommended for this course. Please see me if you are purchasing a new calculator.

LEARNING OUTCOMES: This course is designed as an introduction to probability theory. A student passing this course should understand the following:

- Various counting methods including combinations and permutations
- The difference between continuous and discrete distributions
- Independent and dependent events, conditional probability
- Random variables and measures on random variables
- Various Probability Distributions: Binomial, Geometric, Poisson, Uniform, Exponential, Gamma, Chi-Square, Normal
- The meaning of and how to compute Mean, Variance, Standard Deviation, Expected Value
- Understanding of the Central Limit Theorem

Attendance: Daily attendance is required for your success in this course. If you miss class it is your responsibility to ask a classmate for notes on the material that you have missed.

Homework: There will be two types of homework, “required” and “recommended”. Required homework will be turned in for grading and recommended homework should be completed but will not be collected. If you miss a class it is your responsibility to get the homework assignment and turn it in on time. Assignments will be posted on the class webpage.

Quizzes: Quizzes will be given every Friday at the beginning of class except during exam weeks. *Generally, at least half of the quiz questions will be directly related to the recommended homework problems (either exactly the problem or a slightly modified version).* **Missed quizzes may not be made up, but your lowest quiz score will be dropped.** Cell phones must be turned off.

Late homework: Homework is due by 4:30pm on its due date. **Late homework will not be accepted.** Your lowest two homework scores will be dropped.

Exams: There will be two midterm exams and a final exam. The midterms are *tentatively* scheduled for 2/4 and 3/4. **The final is scheduled for Wednesday March 16 from 10 am to 12 noon.** Makeup exams are generally not given. If you must miss an exam due to a documented emergency or a documented university sanctioned absence from class please inform me ASAP. Cell phones may not be used as calculators during an exam and must be turned off.

Grading: The standard grading scale will be applied. Your grade will be based on the following:

Homework	20%
Quizzes	20%
2 Midterm Exams (20% each)	40%
Final Exam	20%

Appropriate Classroom Behavior

You are ultimately responsible for your own attendance and performance. It is expected that electronic devices such as cell phones will be turned off during class. Proscribed Conduct for all students is described in the University Catalog.

Learning Disabilities

If you have a documented learning disability, please talk to me during the first few days of class. If you have a documented disability which requires accommodations, you must go to the Office of Disability Services (ODS) for appropriate coordination of your accommodations.

Incomplete Policy

An Incomplete can only be granted for a student who is passing a class and has a documented emergency that prevents them from completing a small component of the course.

Veterans and Active Military Personnel with special circumstances are welcome and encouraged to communicate these, in advance if possible, to the instructor.