

# MATH/STAT 318 Elementary Probability

## Spring 2006

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- Meeting:** MWF 11:12 a.m. – 12:05 p.m. 104 Thomas Bldg.
- Instructor:** Yuejiao (Heather) Ma      Thomas 331B      (814) 865 8045  
[hma@stat.psu.edu](mailto:hma@stat.psu.edu)  
Office Hours:      MF 9:30 a.m. – 11 a.m.
- Teaching Assistant:** Mian Huang      Thomas 330B      (814) 863 0692  
[mzh136@psu.edu](mailto:mzh136@psu.edu)  
Office Hours:      TR: 3 p.m. – 4:30 p.m.
- Textbook:** Mathematical Statistics and Data Analysis – Second Edition,  
John A. Rice, Duxbury Press, 1995.
- Course Website:** ANGEL ([www.angel.psu.edu](http://www.angel.psu.edu))
- Prerequisite:** MATH 141 – Calculus with Analytic Geometry II.
- Course Description:** This course will cover topics in combinatorics (art of basic counting principles), axioms of probability, conditional probability and independence, discrete and continuous random variables, joint distributions, expectation, and limit theorems. This equates to the content of chapters 1 – 5 of the text. I highly encourage you to read the assigned sections before the lecture to aid in your understanding the material. During the lectures, please ask any questions as I find this to be more beneficial for you as students.
- Homework:** The best way to learn this material is to keep up with the homework assignments. Homework will be assigned regularly and due one week after assigned date. I will *not accept* late assignments since the solutions will be posted the evening of the due data.  
It will be partially graded. To get the full credit, you need to show *all* your work details; otherwise it will be marked wrong.

You are encouraged to work in team but submit your own solutions. The lowest two homework scores will be dropped.

For two 2 midterms, you can bring one 8.5x11 double – sided formula sheet for each exam. The first midterm exam will cover chapters 1 – 2 of the text. The second midterm exam will cover chapter 3. No early/late exams will be administered without a legitimate excuse and documentation!

**Exams:**

Final exam will be comprehensive. It will be closed-book but you can bring two 8.5x11 double-sided formula sheets.

Homework	Midterm Exams	Final
30%	40%	30%

**Grading Policy:**

[94,100]	[88,94)	[84,88)	[80,84)	[76,80)
A	A-	B+	B	B-

[72,76)	[60,72)	[55,60)	[0,55)
C+	C	D	F

Subject to adjustment.

**Academic Integrity:**

Please read:

<http://www.science.psu.edu/academic/Integrity/index.html>