

STATISTICS/MATHEMATICS 421: FALL, 2008 PROBABILITY

Course Information

- Prerequisite: Math 224
- Required Texts
 - Berry, D. A. & Lindgren, B. W. (1996). *Statistics: Theory and Methods*, 2nd edition. Belmont CA: Wadsworth Publishing Co.
To obtain a used copy, go to <http://www3.addall.com/> and search by author using Berry, Lindgren as key words.
 - Lecture Notes
- Instructor
 - Robert J. Boik, 2-260 Wilson, 994-5339, rjboik@math.montana.edu.
 - Office Hours: Monday & Wednesday: 11:00–11:50; Friday 8:00–8:50; and by appointment
- Drop dates: Monday September 22 is the last day to drop without a grade; Friday November 21 is the last day to drop.
- Grading: 500 Points Total; Grade cutoffs (percentages) — 90, 80, 70, 60; All exams are closed book. Equation sheets will be provided.
 - Homework: 100 points. Only selected problems will be graded, but a key for all assigned problems will be made available.
 - Exam-1, Monday Oct 6, 6:00–8:00 PM: 100 points
 - Exam-2, Monday November 10, 6:00–8:00 PM: 100 points
 - Comprehensive Final, Thursday Dec 18, 4:00–5:50 PM: 200 points
- Homepage: <http://www.math.montana.edu/~rjboik/classes/421/stat.421.html>

Syllabus

1. Probability: Chapter 1
2. Discrete Random Variables: Chapter 2
3. Expectations: Chapter 3
4. Bernoulli and Related Random Variables: Chapter 4
5. Continuous Random Variables: Chapter 5
6. Families of Continuous Distributions: Chapter 6