

Instructor: Prof. Wang

Textbook: *Fundamentals of Biostatistics 8th edition* by Bernard Rosner **ISBN #:** 978-1305268920

Prerequisites: Undergraduate Calculus

Location and Time to Meet: KUPF 211, every Tuesday 6:00 pm-8:50 pm from Sep,2,2025 to Dec,20,2025

Grading Policy: The final grade in this course will be determined as follows:

▪ Homework & Quizzes:	25%
▪ Midterm Exam:	30%
▪ Final Exam:	45%

Your final letter grade will be based on the following tentative curve.

A	90-100	C	68-74
B+	85-89	D	50-67
B	80-84	F	0-49
C+	75-79		

Drop Date: Please note that the University Drop Date **Nov 10, 2025** deadline will be strictly enforced.

Homework Policy: Homework problems will be assigned in class.

Attendance: Attendance at all [classes](#) will be recorded and is **mandatory**. Please make sure you read and fully understand the Department's [Attendance Policy](#). This policy will be **strictly** enforced.

Makeup Exam Policy: There will be **NO MAKE-UP EXAMS** during the semester. In the event the Final Exam is not taken, under rare circumstances where the student has a legitimate reason for missing the final exam, a makeup exam will be administered by the math department. In any case the student must notify the **Math Department Office and the Instructor** that the exam will be missed and present written verifiable proof of the reason for missing the exam, e.g., a doctors note, [police report](#), court notice, etc., clearly stating the date AND time of the mitigating problem.

Further Assistance: For further questions, students should contact their Instructor. All Instructors have regular office hours during the week. These office hours are listed at the link above by clicking on the Instructor's name. Teaching Assistants are also available in the math learning center.

Cellular Phones: All cellular phones and beepers must be switched off during all class times.

All DMS students must familiarize themselves with and adhere to the Department of Mathematical Sciences Course Policies, in addition to official university-wide policies. DMS takes these policies very seriously and enforces them strictly. For DMS Course Policies, please [click here](#).

Sep, 1, 2025	M	Labor Day
Nov, 10, 2025	M	Last Day to Withdraw from this course
Nov, 27, 2025	Thursday	Thanksgiving Recess, no classes
Nov, 30, 2025	Sunday	Thanksgiving Recess, no classes
Dec, 12, 2025	Thursday	Reading Day
Dec, 14-20, 2025	Sunday-Saturday	Final Exams

COURSE OUTLINE:

Course Outline				
Date	Lecture	Chapter	Topic	Assignment
Week 1 09/02	1	Chapter 1-2	Introduction, Descriptive Statistics	
Week 2 09/09	2	Chapter 3	Probability	
Week 3 09/16	3	Chapter 4-5	Discrete Probability Distributions and Continuous Probability Distributions	
Week 4 09/23	4	Chapter 6	Estimation, Sampling Distribution Models and Confidence Intervals for Proportions	
Week 5 09/30	5	Chapter 7	Hypothesis Testing: One Sample Inference	
Week 6 10/07	6	Chapter 8	Hypothesis Testing: Two Sample Inference	
Week 7 10/14	7	Chapter 10	Categorical data, Chi-Square tests and Two-Sample Test for Binomial Proportions	

Week 8 10/21	8		Midterm Exam	
Week 9 10/28	9	Chapter 13	ANOVA	
Week 10 11/07	10	Chapter 14	Survival Analysis I	
Week 11 11/04	11	Chapter 14	Survival Analysis II	
Week 12 11/11	12	Chapter 14	Survival Analysis III	
Week 13 11/18	13		Nonparametric Analysis I	
Week 14 11/25	14		Nonparametric Analysis II	
Week 14 12/02	15		Logistic Regression	
Week 15 12/09	15		Final Review	