

**MPM 402 Medical Statistics I**

Lecture: 1041 Valley Hall; Laboratory: 2020 Valley Hall

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NOTE: Unless specified otherwise, readings are found in Biostatistics: A Foundation for Analysis in the Health Sciences, 9<sup>th</sup> Edition, 2009 by Wayne W. Daniel

August 3 Lecture (2 hours)	Descriptive Methods (pages 1-16; 19-54)
August 4 Lecture (2 hours)	Descriptive Methods/Probability (pages 65-84)
August 5 Laboratory (2 hours)	Descriptive Methods
August 6 Lecture (2 hours)	Probability, <b>Homework 1 due 10 AM</b>
August 7 Laboratory (2 hours)	Probability
August 10 Lecture (2 hours)	Binomial, Poisson and Normal Distributions (pages 93-129), <b>Homework 2 due 10 AM</b>
August 11 Lecture (2 hours)	Binomial, Poisson and Normal Distributions/Sampling Distributions (pages 135-157)
<b>August 12 Examination 1 covering Descriptive Methods and Probability (2 hours); out of class assignment on Binomial, Poisson and Normal Distributions</b>	
August 13 Lecture (2 hours)	Sampling Distributions <b>Homework 3 due 10 AM</b>
August 14 Laboratory (2 hours)	Sampling Distributions
August 17 Lecture (2 hours)	Parameter Estimation (pages 162-189), <b>Homework 4 due 10 AM</b>
August 18 Lecture (2 hours)	Parameter Estimation (pages 189-193)
August 19 Lecture (2 hours)	Hypothesis Testing (pages 215-237, 273-280), <b>Homework 5 due 10 AM</b>
<b>August 20 Examination 2 covering Distributions (Binomial, Poisson, Normal and Sampling Distributions) (2 hours)</b>	
August 21	<b>NO CLASS</b>
August 24 Lecture (2 hours)	Hypothesis Testing (pages 237-258) <b>Homework 6 due 10 AM</b>
August 25 Laboratory (2 hours)	Hypothesis Testing
August 26 Lecture (2 hours)	Simple Linear Regression (pages 409-422) <b>Homework 7 due 10 AM</b>
August 27 Lecture (2 hours)	Simple Linear Regression (pages 423-456)
August 28 Laboratory (2 hours)	Simple Linear Regression
<b>August 31 Examination 3 covering Parameter Estimation and Hypothesis Testing (2 hours)</b>	

September 1 Lecture (2 hours) Nonparametric/Distribution-Free Statistics (pages 683-710);  
out of class assignment on Nonparametric/Distribution-Free Statistics

September 2 Lecture (2 hours) Chi-Square Tests (pages 593-597, 612-634)  
September 3 Lecture (1 hour) Chi-Square Tests  
Homework on simple linear regression due 10 AM

September 4 Laboratory (2 hour) Chi-Square Tests

September 7 Labor Day - NO CLASS

September 8 Lecture (2 hours) Life Tables (pages 648-663)(Dr. Srivastav in charge)

September 9 Laboratory (2 hours) Life Tables (Dr. Srivastav in charge)

September 10 NO CLASS

September 11 Examination 4 covering Nonparametric/Distribution-Free Statistics and Chi-Square Tests (1 hour); Exercise on Life Table Analysis due 8 AM

Exam Policy: open book; calculators are permitted.  
time limit: 2 hours. (This limit must be observed. We will endeavor to keep the exams short. In the event that an exam is too long for the allowed time, don't panic but complete what you can in the time allowed; we will make an adjustment for an obviously long exam.)

Independent Work Policy: Unless a home work assignment, project or examination is explicitly designated as "a group home work assignment, a group project or a group examination," it is assumed that the student will do her/his own independent work.

Cell Phones and Pagers: As a courtesy to other classmates, please turn off cell phones and pagers.  
No recording of lectures permitted; no podcasting.

No auditors permitted.

Due to the class size, it is impossible to reply to e-mail relating to course material.

Take handouts only for yourself; do not take or "pick-up" handouts for a classmate. If you need to miss a lecture, simply e-mail me and I will hold your handouts. There is one copy of each handout for each enrolled student. If you inadvertently take more than 1 copy of a handout, please return it.

Weights for final grade determination:	Exam 1	20%
	Exam 2	20%
	Exam 3	20%
	Exam 4	16%
	Exercise on Life Table Analysis	4%
	Home Work	20%
	Total	100%

Grade Scale:

	A 91.5%-100%	A- 89.5%-91.4%	
B+ 86.5%-89.4%	B 79.5%-86.4%	B- 77.5%-79.4%	
C+ 74.5%-77.4%	C 69.5%-74.4%	C- 64.5%-69.4%	
D+ 59.5%-64.4%	D 54.5%-59.4%	D- 49.5%-54.4%	F below 49.5%