Spring 2017 Stat 145 – Introduction to Statistics – Syllabus

Instructor	**Yan Lu**	**E-mail:**	**luyan@math.unm.edu**
Office:	**SMLC 316**	**Office Hours:**	**Tuesday 2:00pm-3:00pm, Thursday 10:00am-11:00am**
Stat145 Web Site & Tutoring	Click on Stat 145 under **Course Materials** in the **Courses** tab at www.math.unm.edu. This web site contains a generic syllabus, homework solutions, practice exams and solutions, **statistical** tables from the text, as well as the Stat tutoring table schedule. The Stat Tutoring table is on the third floor of Dane Smith Hall by the elevator.		
Text	*The Basic Practice of Statistics (7th Edition),* **by Moore, Notz and Fligner**		
Online Program	**LaunchPad (LP)** is the online learning system which accompanies the textbook and includes an e-book. **LP is required for Stat145**. **If you don't use LP, your LP Quiz & LP Learning Curve scores will be 0s, which reduces your course grade one letter grade.** LP Access codes are available from the UNM bookstore or the publisher. The bookstore also sells access codes bundled with a bound or loose-leaf textbook. Hard text copies are not required, since LP includes an e-book. Each section of Stat145 will have a unique *URL,* provided by the instructor, for LP purchase, registration and access. The *URL* for this section is: **http://www.macmillanhighered.com/launchpad/bps7e/4913969**		
Calculator	A scientific calculator may be used on all homework and exams. A calculator with statistical functions (mean, standard deviation, statistical tests, etc.) is recommended but not required. **Use of cell phone calculators or calculators on other WIFI-capable devices is not allowed on exams.**		
Grading	LaunchPad: Learning Curve 5% LaunchPad: Quizzes 5% Exam 1 20%		Exam 2 20% Exam 3 20% Final Exam 30%
	To get full credit on graded work, students must address all mathematical components presented by the problem, showing all steps and calculations. Proper notation, procedures, and legibility will be taken into account when assigning points.		
Extra Credit	There will be no provision for extra credit. **ALL EXAMS – FINAL INCLUDED - MUST BE TAKEN.** Exams will not be curved or re-worked for extra points.		
Homework	Homework is assigned at the second page of this syllabus. These homework problems will not be graded; they will however form the basis for the Launchpad quizzes and the exams. Your completion of these problems is essential to your understanding of the topics covered in class. Chapters 7, 11, and 19 are review chapters. While not assigned, you are encouraged to review them.		
Missed Exams	If you know you are going to miss an exam, you must make prior arrangements with your instructor in order to take a make-up exam. If you miss an exam due to an emergency, to take a make-up exam you must provide documentation of the emergency (doctor's note, police report, etc.), and email instructor notification of the missed exam within 24 hours of the missed exam.		
Exam Cards	A 3-inch by 5-inch note card is permitted on each of the first three exams for your notes. A 5-inch by 8-inch card is permitted on the final exam. Your notes must be hand-written, not photocopied; you may use both sides of the note card.		
Course Grades	Grading Scale: [99≤A+≤100], [93≤A<99], [90≤A-<93], [87≤B+<90], [83≤B<87], [80≤B-<83], [75≤C+<80], [70≤C<75], [50≤D<70], [F<50], and F if you do not show up to take the final exam.		
Attendance	Attendance is mandatory. Tardiness or an early departure may be regarded as an absence. If a student has more than three unexcused absences the instructor may drop the student. However, after April 14 the instructor is not authorized to drop students. It is the student's responsibility to drop the course if he/she chooses not to complete the course. If a student does not drop the course by April 11, the instructor will assign the final grade earned by the student (not a W).		

Student Behavior	According to the Code of Conduct as stated in the Policies and Regulations for UNM, student activities that interfere with the rights of others to pursue their education or to conduct their University duties and responsibilities will lead to disciplinary action. This includes any activities that are disruptive to the class and any acts of academic dishonesty. You are expected to behave in a courteous and respectful manner toward the instructor and your fellow students. You may be dropped for inappropriate behavior. The use of cell phones, headphones, smart watches, etc. is <u>not permitted</u> during class or exams.
Cheating	Cheating of any kind will not be tolerated. Examples are: looking at a neighbor's exam; plagiarizing; using a calculator, the textbook and/or a cheat sheet, when not permitted; modifying an exam after it is graded, etc. The instructor may warn an offending student, the score of the exam may be reduced, the score may be set to zero, the student may get dropped from the class, the student may get a grade of F for the class, and in most cases the incident will be reported to the Dean of Students.
Deadlines	The Department of Mathematics and Statistics will adhere to all of the registration deadlines and final exam schedule published by the Office of the Registrar in the schedule of classes. We will not give permission to override any deadline except in documented emergencies; failing a class is not considered an emergency. No early final exams will be permitted except in documented emergencies: flight reservations, weddings, vacations, birthdays etc. are not considered emergencies.
Grade mode and Withdraw als	You must select your grade mode (letter grade, CR/NC, or Audit) within in the first 2 weeks of the semester; we will not give permission to change the grade mode after the deadline. Students who withdraw between February 4 and April 14 will receive a grade of W. If you are in the regular grade mode, and you do not withdraw, you will receive the letter grade you earn (not a W). If you are in the CR/NC grade mode and you do not withdraw, you will receive the CR/NC grade you earn (not a W).
Accessibility	We will accommodate students with documented disabilities, through the UNM Accessibility Resource Center (ARC). During the first two weeks of the semester, those students should inform the instructor of their particular needs.
Title IX	In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered "responsible employees" by the Department of Education (see pg 15 - http://www2.ed.gov/about/offices/list/ocr/docs/qa-201404-title-ix.pdf). This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct and sexual violence made to a faculty member, TA, or GA must be reported to the Title IX Coordinator at the Office of Equal Opportunity (oeo.unm.edu). For more information on the campus policy regarding sexual misconduct, see: https://policy.unm.edu/university-policies/2000/2740.html

Assigned Homework Problems

Chapter	Problems	Chapter	Problems
1	1, 3, 11, 13-22, 25, 27, 33, 37, 41	15	3, 6, 9-11, 13, 17-24, 27, 29, 31, 35
2	1, 3, 4, 6, 8, 10, 12, 15- 25, 28, 39	16	1, 5, 6, 11-19
3	6-9, 11-12, 14-24, 26-27, 30, 35-37, 41	17	1, 3, 5, 11, 14, 17-18, 21-30
4	1, 3, 5 ,7-8, 11, 13-23, 27, 35, 39	18	2, 9-10, 12-13
5	1, 4, 6, 8-9, 17, 20-29, 31-32, 34-36	20	1, 5, 9, 17-26, 29-31, 42
8	1, 3, 5, 7, 13-14, 16-25, 27, 32-34, 36, 43	21	1-4, 6, 13-15, 18-27, 29
9	1, 5-7, 9-11, 13, 15, 18-29, 31	22	1, 3, 5, 7, 9, 15-25, 35
12	1, 2, 5, 9-11, 13-15, 17, 22-31, 35, 51-52	25	5-8, 12-13, 37

Spring 2017 - Stat 145 Schedule (subject to change if necessary)

Week of (Mondays)	Material Covered	Notes / UNM Deadlines
Jan 16	Introduction Ch. 1 Picturing Distributions with Graphs Ch. 2 Describing Distributions with Numbers	Jan 16 – Martin Luther King UNM holiday Jan 17 – Instruction Begins
Jan 23	Ch. 2 (cont'd) Ch. 3 The Normal Distributions	Jan 27 – Last day to add courses or change sections Jan 27 – Last day to change grade mode (lobo web)
Jan 30	Ch. 3 (cont'd)	Feb 3 – Last day to drop without a grade
Feb 6	**Exam 1 (Ch. 1 – 3)** Ch. 4 Scatterplots and Correlation	
Feb 13	Ch. 4 (cont'd) Ch. 5 Regression	
Feb 20	Ch. 8 Producing Data: Sampling Ch. 9 Producing Data: Experiments	
Feb 27	Ch. 9 (cont'd) **Exam 2 (Ch. 4, 5, 8, 9)**	
Mar 6	Ch. 12 Introducing Probability Ch. 15 Sampling Distributions	
Mar 13		Mar 13 – 17 Spring Break
Mar 20	Ch. 15 (Cont'd) Ch. 16 Confidence Intervals: The Basics	
Mar 27	Ch. 17 Tests of Significance: The Basics	
Apr 3	Ch. 18 Inference in Practice **Exam 3 (Ch. 12, 15-18)**	
Apr 10	Ch. 20 Inference About a Population Mean Ch. 21 Two-Sample Problems	Apr 14 – Last day to withdraw without dean's approval
Apr 17	Ch. 21 (cont'd) Ch. 22 Inference About a Population Proportion	
Apr 24	Ch. 22 (cont'd) Ch. 25 Two Categorical Variables	
May 1	Course Review	May 5 –Last day to withdraw with dean's approval
May 8	**Final Exam 7:30 am**	**May 8 – Final Exam, 7:30 AM, DSH 229 (not the classroom we have regular classes)**