Spring 2016 Stat 145 – Introduction to Statistics – Syllabus

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Office:	**SMLC 319**	**Office Hours:**	**W: 9.30 – 10.30 am (SMLC 319 (3rd fl., math&stats dept))** **F: 10 am – 12 pm (stat table, DSH 3rd floor near elevator)**
Stat145 Web Site:		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, as well as **statistical** tables from the text.	
Text: Online Program:		*The Basic Practice of Statistics (7th Edition),* **by Moore, Notz and Fligner** **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.	
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%	Exam 2	20%
	LaunchPad: Quizzes	5%	Exam 3	20%
	Exam 1	20%	Final Exam	30%

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 will be assigned and may be graded at the discretion of the instructor. Homework problems will form the basis for the exams, and will be essential to your understanding of the topics covered in class. Assigned homework problems are listed at the bottom of the second page of this syllabus. 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, you must provide documentation of the emergency (doctor's note, police report, etc.) to take a make-up 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	Grade pluses and minuses may or may not be added to letter grades, at the instructor's discretion. Grades of A+ are extremely rare and will only be awarded for exceptional work.
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 15 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 before April 15, 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 not permitted 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.
Grading	To get full credit on graded work, students must address all mathematical components presented by the problem, showing all steps and calculations. The use of proper notation, well-structured procedures, and legibility will be taken into account when assigning points.
Deadlines	The Department of Mathematics and Statistics will adhere to all of the registration deadlines 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.
Grade mode and Withdrawals	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 Feb 6 and April 15 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.

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 2016 - Stat 145 Schedule (subject to change if necessary)

Week of (Mondays)	Material Covered	Notes / UNM Deadlines
Jan 18	Introduction Ch. 1 Picturing Distributions with Graphs Ch. 2 Describing Distributions with Numbers	Jan 18 – Martin Luther King UNM holiday Jan 19 – Instruction Begins
Jan 25	Ch. 2 (cont'd) Ch. 3 The Normal Distributions	Jan 29 – Last day to add courses or change sections Jan 29 – Last day to change grade mode (lobo web)
Feb 1	Ch. 3 (cont'd)	Feb 5 – Last day to drop without a grade
Feb 8	**Exam 1 (Ch. 1 – 3)** Ch. 4 Scatterplots and Correlation	
Feb 15	Ch. 4 (cont'd) Ch. 5 Regression	
Feb 22	Ch. 8 Producing Data: Sampling Ch. 9 Producing Data: Experiments	
Feb 29	Ch. 9 (cont'd) **Exam 2 (Ch. 4, 5, 8, 9)**	
Mar 7	Ch. 12 Introducing Probability Ch. 15 Sampling Distributions	
Mar 14		Mar 14 – 18 Spring Break
Mar 21	Ch. 15 (Cont'd) Ch. 16 Confidence Intervals: The Basics	
Mar 28	Ch. 17 Tests of Significance: The Basics	
Apr 4	Ch. 18 Inference in Practice **Exam 3 (Ch. 10, 11, 14-16)**	
Apr 11	Ch. 20 Inference About a Population Mean Ch. 21 Two-Sample Problems	Apr 15 – Last day to withdraw without dean's approval
Apr 18	Ch. 21 (cont'd) Ch. 22 Inference About a Population Proportion	
Apr 25	Ch. 22 (cont'd) Ch. 25 Two Categorical Variables	
May 2	Course Review	May 6 –Last day to withdraw with dean's approval
May 9	**Final Exam 7:30 am**	**May 9 – Final Exam, 7:30 AM, ROOM TBD** May 13 – Last day to report removal of incomplete