

MATH 1300: Statistical Literacy

Fall 2021 Syllabus

Title	MATH 1300 Statistical Literacy Section 001 (3 credits) CRN: 69179 [Map on page 4]												
Meeting	Dane Smith Hall: Room 136. 10:00 – 10:50 am, MWF. Attendance taken at 10 sharp.												
Teacher	Milo Schield. SchieldMilo@UNM.edu Also the T/A for all Math 1300 sections.												
T/A	Wed 7-10: https://unm.zoom.us/j/4981892223?pwd=UFR3M2t5LlY3SkQ4SIBLSzFSWTY4QT09												
Description	Participants will study the social statistics encountered by consumers. Investigate the story behind the statistics. Study the influences on social statistics. Study the techniques used to control these influences. Strong focus on confounding.												
Goals	To help students think critically about statistics as evidence in arguments: to see the story behind the statistics. To help students see value in becoming statistically literate.												
Objectives (Student Learning Outcomes)	1) Can use ordinary English to distinguish association from causation and to form arithmetic associations of numbers and ratios. 2) Can identify and evaluate influences (confounding, assembly, randomness and error/bias) on a statistic. 3) Can identify, evaluate and use various techniques to take control of – or control for – these influences. 4) Can use ordinary English to describe and compare statistics as presented in statements, tables and graphs. 5) Can evaluate the strength of evidence provided by statistics in the everyday media, press releases and journal articles.												
Textbook	<i>Statistical Literacy 2021</i> by Schield. Year on cover. \$60. Don't buy older out-of-date editions.												
Grading Scale	[$93 \leq A < 100$], [$90 \leq A < 93$], [$87 \leq A < 90$], [$84 \leq B < 87$], [$80 \leq B < 83$], [$77 \leq B < 80$], [$74 \leq C < 77$], [$70 \leq C < 74$], [$65 \leq C < 70$], [$50 \leq D < 65$], [$F < 50$], and F if you do not show up to take the final exam.												
Grading Components Requirements	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Exercises (5 chapters @5%)</td> <td style="width: 16.5%;">25%</td> <td style="width: 33%;">Exams (three)</td> <td style="width: 16.5%;">24%</td> </tr> <tr> <td>Odyssey writing (12-14 cases)</td> <td>20%</td> <td>Final Exam</td> <td>24%</td> </tr> <tr> <td>Teacher elective; Attendance</td> <td>5%</td> <td>Course Evaluations</td> <td>2%</td> </tr> </table>	Exercises (5 chapters @5%)	25%	Exams (three)	24%	Odyssey writing (12-14 cases)	20%	Final Exam	24%	Teacher elective; Attendance	5%	Course Evaluations	2%
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Online Components	Chapter schedule, exercises and quizzes are at www.StatLit.net . Invitations will be sent out. Writing is done in Odyssey at http://odysseys2sense.com . Registration instructions at www.statlit.org/pdf/2015-Odysseys-Guide-Slides.pdf . Register in Odyssey the first week. Exams are online. Available for over 48 hours, but limited to 4 hours open once started.												

Schedule of Activities

Subject to change: Minor changes announced in class, major ones provided in writing.

Week	Material Covered	Assignments / Notes / Exams
Aug 23	Class/course intro, Odyssey Intro, Ch 1	Moodle C1 exercises
Aug 30	Ch 1 Statistics in Arguments. Take CARE	Moodle C1 exercises; OD 1
Sept 6*	Review news stories, homework & Odyssey	Sep 6 – Labor Day OD 2
Sept 13	Ch 2 Comparisons. Control influences.	Moodle C2 exercises; OD 3
Sept 20	Review news stories, homework & Odyssey	OD 4
Sept 27	Review Ch 1 and 2. Take Exam #1	Exam #1: Ch.# 1 and 2 Online OD 5
Oct 4	Ch 3: Measurements: compare & standardize.	Moodle C3 exercises; OD 6
Oct 11	Review news stories, homework & Odyssey	OD 7
Oct 18	Ch 4: Percent and percentage grammar	Moodle C4 exercises; OD 8 Fall break
Oct 25	Ch 4 tables. Ch 5 Tables. No rate or chance.	OD 9.
Nov 1	Review Ch 3 and 4. Take Exam#2	OD 10. Exam #2: Ch 3 – 4. Online
Nov 8	Ch 5: Tables & Graphs [No rate or chance]	OD 11
Nov 15	Ch 7 Interpreting Ratios. Medical Tests,	OD 12
Nov 22	[Ch 7. Simpson's paradox	Moodle C7 exercises; OD 13 Thanksgiving
Nov 29	Review homework & Exam#2. Take Exam #3	Exam 3: Ch 4 & 7 Online OD 14
Dec 6	Review Exam #3: Course Review for Final	Course evaluations
Dec 13	Final Exam Ch 1-4 and 7	Dec 13-18: Final Exams, Details TBD

Moodle and Odyssey assignments due by 11 PM the following Wednesday. Exams assigned Thurs; due by 11 PM Saturday September 3, 2021 is the last day to change the grade mode on LoboWeb for fall 2021.

Web Site	Department web page: https://math.unm.edu/courses/materials/math-1300-statistical-literacy
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	The chapter exercises and the Forum are homework.
Missed Exams	If you know you are going to miss an exam, you must make prior arrangements with your instructor 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.
Attendance1	Attendance is mandatory. Tardiness or an early departure may be regarded as an absence. To be excused, the instructor must be notified of an absence before the class starts. If a student has more than six hours of unexcused absences the instructor may drop the student unless it is after the last day to withdraw without dean approval. It is the student's responsibility to drop the course if he/she chooses not to complete the course.
Attendance2	Within the first 3 weeks for 16-week courses (2 weeks for 8-week courses), if a student misses two classes and/or misses two assignments (homework or quizzes), the student may be dropped by the instructor. If you are planning to drop a student in those first weeks, please notify the student first and give reasonable chance for an answer. If the student wishes to stay in the class, there is no reason for us to drop them, provided there is no one on the waitlist. Please reach out to advisors using the early alert system to help students-at-risk not fall through the cracks. After those first weeks, instead of withdrawing students, the instructor will submit a Faculty Early Alert Student Referrals at https://lobocheckin.unm.edu/checkin/dos to report absences, missing work, and/or possibility of failing. To drop a student with a hold, especially athletes, send an email to instdrop-L@List.unm.edu with the student's name, UNM ID, course name, and course CRN.
Grade mode and Withdrawals	You must select your grade mode (letter grade, CR/NC, or Audit) by the "Last day to Change Grading Options" indicated on the course schedule; we will not give permission to change the grade mode after this deadline. Students who withdraw after this date but before the "Last day to drop a course without approval of college dean" will receive a grade of W. Otherwise, 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).
Grading	To get full credit on graded writing, students must give answers that include all relevant information. Proper grammar is essential. Notation and legibility will be taken into account when assigning points.
Grading2	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.
Grading3 Instructor	Only students who dropped themselves (via LoboWeb or the form) get a grade of W for the course. You will receive an email when the student has dropped. Keep this for your records so you can enter the Last Date of Attendance when submitting grades. Instructors do not withdraw students after the 100% tuition refund deadline regardless of reason. Refer students who request a withdrawal due to extenuating circumstances to the LoboRespect Office https://loborespect.unm.edu/ . Do not give extra credit assignments of any kind.
Cheating	Cheating of any kind will not be tolerated. Examples are: looking at a neighbor's exam; plagiarizing; 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, non-NCAA events are not considered emergencies.
Deadlines2	The instructor will adhere to all of the deadlines published by the Office of the Registrar in the schedule of classes: http://registrar.unm.edu .
Class work out of class	This is a three credit-hour course. Class meets for 150-minutes per week for fifteen weeks during the fall or spring semesters. Students are expected to complete a <i>minimum</i> of six hours of out-of-class work (or homework, study, assignment completion, and class preparation) each week.
Student Behavior	Per 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.

Vaccination and Indoor Masking	All students, staff, and instructors are required by UNM Administrative Mandate on Required Vaccinations to be fully vaccinated for COVID-19 as soon as possible, but no later than September 30, 2021, and must provide proof of vaccination or of a UNM validated limited exemption or exemption no later than September 30, 2021 to the UNM vaccination verification site . Students seeking medical exemption from the vaccination policy must submit a request to the UNM verification site for review by the UNM Accessibility Resource Center . Students seeking religious exemption from the vaccination policy must submit a request for reasonable accommodation to the UNM verification site for review by the Compliance, Ethics, and Equal Opportunity Office . For further information on the requirement and on limited exemptions and exemptions, see the UNM Administrative Mandate on Required Vaccinations .
Masking Requirements	All students, staff, and instructors are required to wear face masks in indoor classes, labs, studios and meetings on UNM campuses, see masking requirement . Qualified music students must follow appropriate specific mask policies issued by the Chair of the Department of Music and the Dean of the College of Fine Arts. Vaccinated and unvaccinated instructors teaching in classrooms must wear a mask when entering and leaving the classroom and when moving around the room. When vaccinated instructors are able to maintain at least six feet of distance, they may choose to remove their mask for the purpose of increased communication during instruction. Instructors who are not vaccinated (because of an approved medical or religious exemption), or who are not vaccinated yet, must wear their masks at all times. Students who do not wear a mask indoors on UNM campuses can expect to be asked to leave the classroom and to be dropped from a class if failure to wear a mask occurs more than once in that class. With the exception of the limited cases described above, students and employees who do not wear a mask in classrooms and other indoor public spaces on UNM campuses are subject to disciplinary actions.
Acceptable masks and mask wearing in class:	A two-layer mask that covers the nose and mouth and that is cleaned regularly is acceptable, as are disposable medical masks, KN95, KF94, FFP1 and FFP2 masks. A face shield is not sufficient protection. It is vital that you wear your mask correctly, covering your nose and mouth. Removing your mask for an extended period to eat or drink in class violates the university mask requirement and endangers others.
Consequences of not wearing a mask properly	If you don't wear a mask, or if you do not wear a mask properly by covering your nose and mouth, you will be asked to leave class. If you fail to wear a mask properly on more than one occasion, you can expect to be dropped from the class. If you insist on remaining in the classroom while not wearing a mask, class will be dismissed for the day to protect others and you will be dropped from the class immediately.
Title IX	Our university should always be spaces of mutual respect, kindness, and support, without fear of discrimination, harassment or violence. Any disclosure of gender discrimination (including sexual harassment, sexual misconduct, and sexual violence) made to your instructor must be reported to the university's Title IX coordinator (oeo.unm.edu). For more information on the policy regarding sexual misconduct, see policy.unm.edu/university-policies/2000/2740.html .
Accessibility	The Accessibility Resources Center (Mesa Vista Hall 2021, 277-3506) provides academic support to students who have disabilities. If you think you need alternative accessible formats for undertaking and completing coursework, you should contact this service right away to assure your needs are met in a timely manner.
Accommodations	In accordance with University Policy 2310 and the Americans with Disabilities Act (ADA), academic accommodations may be made for any student who notifies the instructor of the need for an accommodation. It is imperative that you take the initiative to bring such needs to the instructor's attention, as instructors are not legally permitted to inquire. Students who may require assistance in emergency evacuations should contact the instructor as to the most appropriate procedures to follow. Contact Accessibility Resource Center at 277-3506 or arcsrvs@unm.edu for additional information. UNM is committed to providing courses that are inclusive and accessible for all participants. As your instructor, it is my objective to facilitate an accessible classroom setting, in which students have full access and opportunity. If you are experiencing physical or academic barriers, or concerns related to mental health, physical health and/or COVID-19, please consult with me after class, via email/phone or during office hours. You are also encouraged to contact Accessibility Resource Center at arcsrvs@unm.edu or by phone 277-3506.

