

Course ST 305: Statistical Methods, Spring 2019
 TH 8:30-9:45 1216 SAS Hall
 F 8:30-9:20 1216 SAS Hall
Instructor Dr. Spencer Muse
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Email muse@ncsu.edu
Telephone 515-1948 (but email is usually faster and more reliable)
Office hours 5276 SAS Hall: times TBA
 303 Ricks Hall: times TBA
 Walk-ins and appointments are always welcome!

TA Nicole Wang, ywang155@ncsu.edu
Telephone None: please contact the TA in person or via email
Office Statistics Tutorial Center, 1101 SAS Hall
Office hours TBA

Course prerequisites: MA 141

Course corequisite: ST 307

Required text: David S. Moore, George P. McCabe, and Bruce A. Craig (2010). Introduction to the Practice of Statistics, 7th Edition. W.H. Freeman and Company. Please note that it will be difficult, if not impossible, to use a different edition of the text for this course. We will cover most of Chapters 1-13.

The book's website, <http://bcs.whfreeman.com/ips7e>, has a number of useful free resources. Most importantly, all the larger datasets used in the HW problems are available for download, which will keep you from having to type them by hand into your statistics software. You can also find "Vocabulary Flashcards", which will be one of the most effective ways to learn the material in this class.

Grading: (Dates and chapters covered are subject to change)

Homework	10%		
Exam 1	10%	Jan. 18	(Ch.1 only)
Exam 2	25%	Feb. 28	(Ch. 2-4; maybe 5)
Exam 3	25%	Apr. 11	(Ch. 5, 6,7,10)
Final Exam	30%	Apr. 30, 8-11am	(All above, + Ch. 11-13)

Homework: Homework counts for 10% of your final grade. The objective of HW is to give you practice in carrying out the statistical computations we cover in class. Other important class elements, such as choosing methods, theoretical proofs, and written interpretation of methods, will be less emphasized on the HW. In other words, you should not expect exams to contain only the types of

problems you see on HW assignments. There are several sample exams on the course website to help you prepare.

Homework will be assigned and due as indicated on the course web page, so check for updates regularly. Expect about 8 graded assignments. Each HW problem will be worth between 1 and 5 points, depending on its complexity/length. If you receive a total of P points out of T total possible points during the semester, your overall HW grade will be $100 \times (P/T)$. Make sure to read and understand the policy regarding Late Days below.

Late Days: Homework is due on the due date at the end of the class period. However, each student will have two “Late Days” to use on homework during the semester. One Late Day is used for every class period that an assignment is turned in late: an assignment turned in one hour after class costs one Late Day, just the same as an assignment turned in 23 hours late. Late Days are counted in terms of class meetings, so, for example, if an assignment due on Friday is turned in on the following Tuesday in class, it costs only one Late Day. Late Days may be used all at once, or on multiple assignments. You do not need to tell me ahead of time that you plan to use late days.

Late days may NOT be used over university holidays where we miss class (eg, Fall or Spring Break, MLK Holiday, Labor Day). HW must be turned in prior to those holidays. No late days may be used on the final HW assignment of the semester.

Illness, emergencies, etc. are NOT exempted from the late day count. In other words, don't use up your late days because you have a busy schedule and then later ask for a HW extension because you were ill. Use your late days carefully.

If you need to turn in an assignment outside of class, please slide it under the door of 5276 SAS Hall, and email me and your TA to let us know that it is waiting to be picked up. Please note that SAS Hall is locked in the evenings. **HW assignments may not be turned in via email unless you have prior permission to do so.**

Exams: Three mid-term exams will be worth a total of 60% of your grade. The first exam is worth 10% and will cover only material from Chapter 1, most of which we will not cover in lecture- you must read and learn this material on your own. Exams 2 and 3 will each be worth 25%. The cumulative final exam is worth 30%.

The exams will be closed book and closed notes; the schedule and coverage will be posted on the course web page. A page of formulas will be handed out with each exam. Bring calculators to all exams.

Cell phones, PDAs, MP3 players, and other electronic devices are forbidden in quizzes and exams, and **may NOT be used for calculators**. If any electronic device other than a calculator is seen during an exam, the student will automatically receive a zero for that exam. If you have a situation (eg: you are an on-call volunteer firefighter), you may leave your phone on my desk during the exam in case of an emergency call.

Exam schedule: Exam dates will be posted on the course web site well in advance of the exam date. Exam 1 will be on Jan. 18. Exams 2 and 3 are tentatively scheduled for Feb. 28 and April 11. The cumulative final exam is April 30, 8-11am, in SAS 1216.

Attendance policy: Attendance is recommended, but not required. There will definitely be material presented in lecture that is not found in the textbook, and you will be responsible for this material on the exams. I have been known to hand out free bonus points on days where attendance is especially poor. Make mature decisions.

Auditing: Auditors are expected to attend class regularly and submit homework on the same schedule as the other students. The final grade for auditors (AU or NR) will be based on their final homework average.

Classroom etiquette: Please be respectful of your classmates and instructors by not having conversations once class has begun. Make sure cell phone and other alarms are turned off before you enter class. Do not come to class and blatantly ignore the lecture: **behavior such as reading a newspaper, text messaging, or doing crossword puzzles will result in you being asked to leave.**

Cell phone/text messaging/laptop policy: The use during class of cell phones and other devices for text messages, internet browsing, email, etc. is (i) rude and (ii) very distracting to both the instructor and nearby students. It will not be tolerated in class. A warning will be issued the first time you are found texting, messaging, etc. in class. Each subsequent time **you will lose one point from your final course average.**

Why do I have this policy? Texting/browsing/etc. distracts you, your other students, and me. Part of my job is to create a classroom environment that best promotes learning. Don't believe it matters? A few years ago one of our faculty taught two large sections of the same course, one allowing device usage and one

forbidding it. The class with no device usage had a class average that was several points higher than the other (statistically significant.)

Policy on Academic Integrity: The University policy on academic integrity is spelled out in Appendix L of the NCSU Code of Student Conduct. For a more thorough elaboration see the NCSU Office of Student Conduct website. For this course group work on homework is encouraged. However copying someone else's work and calling it your own is plagiarism, so the work you turn in should be your own. Violations of the Code of Student Conduct will be reported and severe penalties will be enforced.

Trans Inclusive Classroom: In an effort to affirm and respect the identities of transgender students in the classroom and beyond, please contact me if you wish to be referred to using a name and/or pronouns other than what is listed in the student directory.

Students with Disabilities: Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, students must register with the Disability Resources Office (DRO), Holmes Hall Suite 304; Campus Box 7509, phone: 515-7653.