Probability and Statistics (STAT 360-02)
Fall 2019, 3 credits
T, Th 2:50-4:05pm, Todd 130

Instructor: Jordan Miller
Office: Neil 131
Office Hours: T, Th 12:30-2:00pm in the MLC (Cleveland 130), and by appointment
Email: jordan.a.miller@wsu.edu

Grader: Emma Johnson
Email: emma.n.johnson@wsu.edu
MLC Hours: TBA

Course Material:
- (Required) 3” × 5” Notecards. You will need roughly 30 index cards (one per day)
- (Optional) Course Packet available at Cougar Copies in the CUB.

Tutoring: Mathematics Learning Center (MLC), Free Tutoring, Cleveland 130,
Sun, 4pm-9pm, M-Th, 10am-9pm, F, 10am-5pm

Course Topics: Stat 360 is an introductory course to theory and applications of probability and statistics. The class will deal with the principles of probability, random variables, point estimation, confidence intervals, hypothesis testing, linear regression, limiting theorems, and their applications. This course is intended to lay a foundation for students who pursue advanced studies in probability and statistics. We will cover Chapters 1-9 and 12 in the textbook.

Grading: The course grade will be based on
- Homework (best 9 of 11) 20%
- Notecards 10%
- Two Midterms (20% each) 40%
- Comprehensive Final exam 30%

Grade scale:
Grades will be assigned according to the standard scale which is given below.

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**Conduct:**
Please silence your cell phones and other electronics and refrain from using these items during class. If I feel you are disrupting the class or are disrespectful of anyone, I reserve the right to ask you to leave class for the day. Under the terms of enrollment, students acknowledge the University’s authority to take disciplinary action for conduct on or off university property that is detrimental to the university’s core values. Inappropriate conduct includes but is not limited to: talking randomly in class, leaving early without permission, arriving very late, unauthorized use of laptop or other electronic devices, etc. They disturb the class. Please respect other students! **Each time I find improper behavior, that student may receive 1% deduction of final grade.**

**Date of first midterm:** Thursday September 26, in class

**Date of second midterm:** Thursday November 7, in class

**Final Exam:** Friday December 13, 10:10am-12:10pm, Todd 130

*Dates of midterms are subject to change - these dates are not set in stone.*

**Exams:** Make-up or early exams are given only for extremely rare cases. If you know you are going to miss an exam, please notify me *as soon as possible* so I can determine if a make-up or early exam is applicable. No compensation for missed exams will be considered unless prior approved arrangements have been made. Otherwise, you may be given a zero for the exam. A scientific calculator will be allowed on exams, but it cannot have Bluetooth or Wi-Fi capabilities. You must bring a photo ID (either Cougar Card or a government issued photo ID) to all exams; these will be checked. Once you begin the exam, you may not leave the room until you turn in your finished exam. As is the university policy, the **final exam cannot be given early under any circumstances** - make your travel plans accordingly.

**Homework:** 11 homework assignments (HW) will be assigned. It is absolutely essential that you do the assigned homework - and additional problems if needed. It is advantageous to work in study groups, but students are expected to turn in their own write-ups. **Late homework is not accepted.** Homework is due during lecture time of deadline date (Thursdays usually). **Points will be deducted for not stapling your assignment in order!**

Handwritten copies are required. Electronic copies are not accepted. If you are unable to attend lecture of due date, you should drop off the handwritten copy of your homework in my mailbox by Neill 103 by 2:30pm of the due date. Homework will not be accepted if it is submitted after that time. Homework assignments are equally weighted. The 2 lowest homework scores will be dropped.

**Notecards:** Most class periods, you will be asked to work through a short problem on an index card. You will put your name and date at the top and turn in the note card after working on the problem. The notecards will be graded out of 4 points (turning in a 3 × 5 notecard with your name will guarantee you a point). I will drop 2 notecards but notecards can not be made up. You are expected to attend and actively participate in each and every scheduled class period. Reading assigned materials prior to each class, taking good notes during class, asking relevant questions, and working through activities both independently and in consultation with your classmates are just a few ways you can actively participate in class.
Expectation of Student Effort: In addition to attending lecture, the homework will require several hours of independent effort per hour of lecture. For a 3 credit course, a standard expectation is that you will work at least 9 hours per week (3 hours per lecture) on homework.

Some Advice: Attend lectures regularly. Always show work and/or explanation unless you’re told that you don’t have to. Take advantage of my office hours and do not get behind. Please come see me during office hours! I am here to help you, and it is my goal to see you succeed in this class!

Students with Disabilities: Reasonable accommodations are available for students with a documented disability. If you have a disability and need accommodations to fully participate in this class, please either visit or call the Access Center (Washington Building 217; 509-335-3417) to schedule an appointment with an Access Advisor. All accommodations MUST be approved through the Access Center.

WSU Safety Measures: Classroom and campus safety are of paramount importance at Washington State University, and are the shared responsibility of the entire campus population. WSU urges students to follow the “Alert, Assess, Act,” protocol for all types of emergencies and the “Run, Hide, Fight” response for an active shooter incident (url below). Remain ALERT (through direct observation or emergency notification), ASSESS your specific situation, and ACT in the most appropriate way to assure your own safety (and the safety of others if you are able). Please sign up for emergency alerts on your account at MyWSU. For more information on this subject, campus safety, and related topics, please view the FBI’s “Run, Hide, Fight” video (https://oem.wsu.edu/emergency-procedures/active-shooter/) and visit the WSU safety portal (https://oem.wsu.edu/about-us/).

Academic Integrity: I encourage you to work with classmates on assignments. However, each student must turn in original work. No copying will be accepted. Students who violate WSU’s Standards of Conduct for Students will receive an F as a final grade in this course, will not have the option to withdraw from the course, and will be reported to the Office of the Dean of Students. Cheating is defined in the Standards for Student Conduct WAC 504-26-010 (3). It is strongly suggested that you read and understand these definitions: http://www.conduct.wsu.edu/