

STATISTICS 152: THINK 2020

Instructor: Darren Ripley
Office: Davidson Academy Room (TBD)
Office Hours: Immediately before or after class, or by appointment
YouTube Channel URL: www.youtube.com/user/ThinkSummer2012

Text (will be ordered and provided by THINK): Essential Statistics, Mario Triola, 5th ed.

Course Content:

- Summarizing and Graphing Data
- Measures of Center and Variation
- Probability
- Discrete Probability Distributions
- Normal Probability Distributions
- Estimating Parameters using Samples
- Hypothesis Testing
- Inferences from Two Samples
- Correlation and Regression
- Chi-Squared
- ANOVA testing (Time Allowing)

<u>Grading Scale:</u>	A	90% - 100%
	B	80% - 89%
	C	65% - 79%
	D	55% - 64%
	F	0% - 54%

Grading: Each of the 3 exams is worth 100 points, as is the final. Your homework/quiz grade is also worth 100 points for a grand total of 500 points for the semester (if you choose to take the final exam). All exam grades are curved.

Homework: “Homework” is assigned every day. This is a flipped classroom, wherein you will be watching content videos on YouTube in the evenings (URL given above) and doing your assignments in class during the day. You will be allowed to drop your lowest 2 homework scores. Also, if your homework/quiz average, at the end of the session is above 90%, you can drop your lowest exam.

Tests: There will be 3 tests (one of which is take-home) not including the final. The tests consist of problems similar to examples from content and homework problems. All tests are closed book, closed notes, unless otherwise specified. No extra time will be given. All test scores will be factored into each student’s final grade.

Final: The final will contain problems from every topic covered this semester. It will be closed book, closed notes.

Make-ups: In general, make-ups are not allowed, unless an official note from a doctor, judge, etc is given. If something big comes up: a major illness, a death in the family, etc, please let me know

immediately. Exceptions can be made under special circumstances.

Calculators: A graphing calculator is required for this course. I will be using the TI-84 calculator, but any calculator with a graphing utility is acceptable.

Note: The Davidson Academy supports providing equal access for students with disabilities. I encourage any student needing to request accommodations for a specific disability to please meet with me at your earliest convenience to ensure timely and appropriate accommodations.