Rowan University Statistics (STAT 02260 CRN 22191 Section 9)

1/23/2019-5/1/2019, 2:00-3:15PM, James 2101, with Finals Week 5/6/2019-5/11/2019
Instructor: Dr. EA Brookes (brookes@rowan.edu)
"Office" Hours: 1:00-1:45 and 3:15-3:45 M/W, adjunct office at James 3033.

Textbook

Peck, Olsen, & Devore, *Introduction to Statistics & Data Analysis*, Fifth Edition,
CENGAGE

Calculator

- The course will be taught with the required calculator, a TI-83 or 84.
- All tests will assume you have one available, and I will not have one for you.
- A TI-89 may give incorrect confidence intervals.
- You are on your own with any other calculator, especially the TI-Nspire series.
- A phone is not a permitted calculator for exams.
- You must show your calculator memory has been reset before all exams.

Course Grade

30%		Quiz 1 + Quiz 2 **OR** Test 1
30%		Quiz 3 + Quiz 4 **OR** Test 2
40%		Final

Grading

Quizzes are 15% of your grade each. (Expect 15 questions per quiz.)
Tests are 30% of your grade each. (Expect 30 questions per test.)
The best score of your quizzes 1 plus 2 or test 1 will be kept; similarly the best score
of quizzes 3 plus 4 or test 2 will be kept.
The final will be 40% of your grade. (Expect 40 questions on the final.)
Questions are worth 1 point each; larger problems are divided into numbered parts.
There is no partial credit, but all exams will be evaluated for a slight curve.
No bonus points or unearned grade adjustments.

Letter Grades

Grades will be assigned by these percentages, rounded to the nearest whole number.

		A	94-100	A-	91-93
B+	87-90	B	84-86	B-	81-83
C+	77-80	C	74-76	C-	71-73
D+	67-70	D	64-66	D-	61-63
F	60 or Below				

Testing and Scheduling Information
- No items at your desk area other than a calculator, notes if allowed, and pen for exams, leave everything else in your car/home/dorm (else at the front)!
- Like a testing center, you should leave your phone face down at the desk or with me if you have to leave the room during an exam.
- Please schedule to take quizzes in advance if you expect to miss a quiz date, **you cannot take a quiz once we review it at the next class**.
- I will post the solutions to quizzes on Blackboard.
- I will not post the solutions to tests, but we will check and review them in class.
- All quizzes are 45 minutes. All tests are 75 minutes.
- You should request regrading of your exam *after the class review* if you believe an error has been made in scoring, but note that your entire exam may be reviewed, which may result in a lower score if there were multiple errors.

Attendance
- Attendance is taken but will not directly affect your grade.
- It can be very difficult to pass my exams if you do not attend all classes.
- If you miss class for more than one day, or you miss an exam you have not taken in advance, email me as soon as you can to work out any details.

Homework
- Homework is assigned but will not directly affect your grade.
- It can be very difficult to pass my exams if you do not complete all homework.

Regulations
- Students will follow all college regulations and state/federal laws at all times.
- Bring your valid college ID to all classes.
- Bring loose paper, a black pen, a blue pen, and the textbook to all classes.
- **Exams written in anything other than a pen will not be rechecked.**
- Only attend if you are an actively registered student.
- Do not disrupt the class; no games or music players, ever!
- Phones and laptops are permitted for academic purposes only.
- Please do not record any portion of class (it may be illegal without permission). Pictures may be taken, but copies of the presentations will be sent to the class.

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Schedule (Month/Day | Chapter)

		1/23	1 & 2
1/28	3	1/30	4
2/4	4	2/6	Quiz 1
2/11	7	2/13	7
2/18	7	2/20	8
2/25	Quiz 2	2/27	9
3/4	9	3/6	9
3/11	6	3/13	Quiz 3
3/18	Spring Break	3/20	Spring Break
3/25	5	3/27	5 & 10
4/1	10	4/3	10
4/8	10	4/10	Quiz 4
4/15	Review Q1&Q2	4/17	Test 1
4/22	Review Q3&Q4	4/24	Test 2
4/29	Review Test 1	5/1	Review Test 2

Note: Chapter 6 will be removed if there is a snow day in the first half of the semester, then review days if there are additional college closings.

Accommodations

Students with learning accommodations must provide the college and their instructors evidence of special learning needs to receive an accommodation. I will make my best effort to assist students. Please feel free to e-mail me or discuss this process in class. The Academic Success Center, which will verify your needs, is located on the 3rd floor of Savitz Hall.

Recommendations
- The textbook is your first resource, and I am your *second* resource, not last.
- You need the textbook. Do not wait, you need it today, *not* in 14 days.
- Contact me by e-mail with questions: I will answer you in a timely manner and likely discuss the topic next class.
- Utilize the FREE campus tutoring services BEFORE you are behind! There is a schedule for drop-in sessions posted on the second floor of Robinson (at the mathematics office). There is individual tutoring by appointment in Savitz.
- Be prepared to ask questions on the review day, it is not a lecture day.
- Ensure you have access to Blackboard and check the e-mail you used when registering with the college.
- Print the lecture notes; read the notes and book *before* class.
- Treat the quizzes as practice for the test: study but don't stress.

Rowan University Statistics (STAT 02260 CRN 22191 Section 9)
Rowan Core (General Education)
As of Fall 2018, all first-year undergraduate students at Rowan University must complete the new general education requirements, known as Rowan Core. (Continuing students and new transfer students will follow the existing general education requirements.) Students in Rowan Core must complete course requirements in six literacies: Artistic, Communicative, Global, Humanistic, Quantitative and Scientific. Statistics I belongs to the Quantitative Literacy. All students in this course will be assessed on the following Rowan Core Learning Outcomes for this literacy:

·   Students can define basic statistical and regression vocabulary and also qualitatively describe the meanings relative to a set of given data (e.g. mean vs. median, what does the standard deviation represent; correlation coefficients, and model parameters.

·   Students can perform basic analyses on both discrete and continuous data.

·   Students can describe the differences between continuous (e.g. measureable) and discrete (e.g. countable) quantities and how this affects how they can be analyzed.

·   Students can perform basic statistical and regression analyses on data and also qualitatively describe the meaning of the results (e.g. how they change as new data are added, limits of regression models and how they can infer correlation and/or causality)

For details on the new Rowan Core and existing general education requirements, please consult your advisor or the 2018-19 Undergraduate Catalog (https://sites.rowan.edu/catalogs/).

Course Objectives: Rowan Core Outcomes
·   Students will also obtain a knowledge of basic concepts in data description and descriptive statistics based tools for presenting and describing data sets.

·   Students will also obtain a knowledge of basic concepts in data description, hypothesis testing, statistical inference and obtain a firm basis for further statistical study.

·   The objectives of this course are to familiarize students with basic statistical terminology.

·   Students will be exposed to the importance of the basic assumptions underlying all statistical calculations.