

Syllabus
Three Rivers Community College
MAT 167 Fall 2015 (CRN) 30475

Instructor:

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Office Hours: Wed 4:00-4:50, Thurs 10-11:45 in office Room C124 Monday 9PM on
BLACKBOARD CHAT at <https://my.commnet.edu>

I am available to meet in person during office hours or by appointment. We can also make appointments to talk over the telephone while I guide you through calculations or talk about concepts. We can arrange to meet on the CHAT on Blackboard, or we can talk by telephone. Just let me know by email when you want to connect and we can find a way that can happen.

MAT* K167 PRINCIPLES OF STATISTICS CREDIT HOURS: Prerequisite: Intermediate Algebra mat137 or acceptable placement score. This course introduces the basic concepts of statistics as they apply primarily to business, the technologies, and the social sciences. The topics include methods of summarizing data, measures of central tendency and dispersion, correlation and linear regression, basic probability, confidence intervals, and distributions.

Text: the text is to be found under the "MULTIMEDIA" link on the software package called MyMathLab. The only required purchase for the course is an access code to MyMathLab which includes an interactive copy of the textbook: Elementary Statistics 12th edition by Mario Triola. You are required to read chapters 1-10 of the text and/or watch the accompanying lecture videos, but you do not need to purchase an additional hard copy of the text. After each section, you will do homework problems, and after each test you will take a test – all links on MyMathLab. Note: MyMathLab goes by other names and are all equivalent: MyStatLab, PearsonMyLab and Mastering, CourseCompass. The cost for MyStatLab access is \$97 from the MyStatLab website. An access code is also available for purchase at the school bookstore, and may be packaged free with some hard copies of the text. IF you have an unused MyMathLab access code from another course or math text, you can use it for this course.

When you sign up for MyStatLab at mymathlab.com, you will be asked to enter a **COURSE ID**
Decker03634

Calculator: You will need some calculating and graphing device. **StatCrunch** is statistical software that comes with MyStatLab. YOU WILL LOVE USING STATCRUNCH! IT WILL SAVE YOU FROM MANY HOURS OF TEDIOUS CALCULATIONS. You will also need a simple calculator that does addition, subtraction, multiplication, division, exponents (and square roots, which are the exponent $\frac{1}{2}$ or .5). Built in calculators on cell phones work, OR you can download the free graphing calculator and computer algebra system called Microsoft Mathematics available at www.microsoft.com/mathematics . If you already own a graphing calculator, that will work nicely.

Directions for using StatCrunch and the TI 84 or 89 calculator are in blue boxes in each section of the text. You can also find directions for calculating under the "TOOLS FOR SUCCESS" link on MyStatLab, where you will find videos, guidebooks and quick reference guides for StatCrunch and the TI calculators. Lastly, you can do an internet search for a YouTube video for any questions you have such as "How do I find averages (or means) on Stat Crunch?" We will start a Question and Answer section under the discussion section on MyMathLab, so that I can answer any question you have about Stat Crunch or the calculator. Just feel free to post any question to the discussion board.

Tutoring at TASC: You may sign up for a regular free tutor session in the tutor center in Room C117 by the library. Appointments fill up quickly, so call the tutor desk is 860-215-9082, as soon as you think you might want to engage a tutor on a regular basis. Walk in tutoring is on a space available basis.

Grading Policy:

Any student can earn as many as 1100 points for this course by doing homework, taking quizzes and tests, taking the final exam in person, and doing a semester project. Your grade will be the percent of points you earned out of 1000. So that gives you 100 free points. For example, if you earn 970 points, your grade will be 97% or A. In addition, at least 120 points must come from the proctored final exam. You can keep track of the points you earn as follows:

Homework for each section done at 80% or better will count as 5 points. If you only earn 50% on a homework assignment, you will earn 2.5 points. Since there are 36 homework assignments, you can earn as many as 180 points on homework.

Tests at the end of each chapter are worth 50 points each. Ten chapters gives 500 points. To determine how many points you earn on a test, take your percent grade on the test and multiply by 50. So, for example, if you have a 100% on a test, you earn 100% of 50 = 1.00 times 50. If you have an 80% on a test, you earn 80% of the possible 50 points for $.8(50) = 40$ points. Chapter Tests are open notes. The final exam will be open notes, too.

Semester Project is worth 120 points. Directions for semester project can be found under the discussion section of MyStatLab. Look for the link under COURSE TOOLS on the left side of MyStatLab.

Final Exam is worth 300 points. You earn at least 40% on the final exam (40% of 300 is 120 points toward the 1100 points). You **MUST** take the final exam and earn at least some points on the final exam in order to pass the course.

The final exam must be taken with me at TRCC or in any proctored setting that we can agree on. You will have to show a photo ID to the examiner. Besides TRCC, students may take the final at the testing center at another community college, on a military base, by prior arrangement with a professional teacher, minister, librarian, etc. whom you may know. The exam may take anywhere from 45 minutes to 2 hours depending upon how quickly the student works. The Final Exam will be OPEN NOTES, but will not be open book. I provide both day and evening hours for the final exam. You may take the final exam as soon as you finish the chapters in MyStatLab – just email or call me to make an

appointment for your final exam. If you do not make prior arrangements with me, please come to a final one out of these 3 options: (I will let you know the room number later.)

Dec 14 at 6 PM-8:30

Dec 16 at 6PM

Dec 17 9:30 AM - noon

The points you earn will be converted to a letter grade are as follows:

A : 915-1100 point = 91.5% to 110%

A- : 895-914 points = 89.5% to 91.4%

B+ : 865-894 points = 86.5% to 89.4%

B : 815-864 etc.....

B- : 795-814

C+ : 765-794

C : 715-764

C- : 695 -714

D+ : 665-694

D : 615-664

D- : 595-614

F : 0 - 594

Digication and General Education:

Each student has a subscription to DIGICATION, an electronic portfolio, that is active forever. As part of your general education requirements, you will upload your work from one of the class assignments (a discussion question or the semester project) onto DIGICATION for me to grade. More information and guidance will occur when the time comes.

College Withdrawal Policy and the N (no show) grade:

You may withdraw from this class any time up to and including May 12, and you will receive a W grade on your transcript. However, you must complete a withdrawal form in the Registrar's Office at the time of withdrawal; if you merely stop attending classes before April 10, you will receive a grade of "N" which means "no show". Financial aid students MAY have to reimburse the college for courses in which they have an N. If you do not take the final exam, you will receive a grade of F, regardless of the other work you do. No one's signature other than your own is required on the Withdrawal form. However, I strongly suggest you discuss your withdrawal with me before you submit the forms so that we can discuss your status and your options. Financial aid students should also discuss withdrawal from a course with a financial aid counselor so that you know the monetary ramifications.

Disabilities Statement:

If you have a hidden or visible disability that may require classroom or test-taking modifications, please see me as soon as possible so arrangements can be made. If you have

not already done so, please contact the Learning Specialist, Chris Scarborough, at 860-892-5751 to obtain the proper accommodation credentials.

Academic Integrity:

Academic integrity is essential to a useful education. Failure to act with academic integrity severely limits a person's ability to succeed in the classroom and beyond. Furthermore, academic dishonesty erodes the legitimacy of every degree awarded by the College. Collaboration is encouraged on many assignments such as seminar assignments and homework. Tutors are available to assist you with this sort of work.

In-class tests and the final exam are considered individual work and must be completed without unauthorized assistance of any kind, including help of other students, tutors, unauthorized technology or notes. All test material is to be turned in with the test paper. Attempting to bring work out of the testing area and/or share that work with other students is consider cheating. Cheating on tests, misrepresentation of attendance, falsifying records, or lying will result in loss of credit for all work involved.

I encourage you to collaborate on homework, take-home problems, projects, etc. However, you must understand what you hand in to me. I may verify that you have learned the material covered by the work you have handed in by asking you to explain your work. I may give you a 0 on any work you hand in or any answers you put in MyMathLab that you do not understand or cannot explain.

A full copy of the college's academic integrity policy is in the school's catalog and in the student handbook.

Emergency Closings or class cancellations

If the college administrators issue an emergency school closing, you can receive immediate notifications if you go to My.Commnet.edu and register for the mycommnet.ALERT. You will then receive phone or text messages as soon as a closing is announced. The Alert is more reliable than my email, since sometimes I lose internet service during a storm. If I am going to cancel office hours while school is in session, I will email everyone.

Schedule with Dates so you complete the work in this course by Dec 17, 2015. There is no penalty for doing the work early or later. However, the course appears 'easy' to start, but beware, it gets 'harder'. Some chapters take longer than others to complete. The dates here and in MyMathLab are suggestions, not firm deadlines.

Start ch 1 by Sept 1 , Take test CH 1 by Sept 8

ch 2 by Sept 9 Take test CH 2 by Sept 15 Use stat crunch to simplify graphing large sets of data.

ch 3 by Sept 16 Take test CH 3 by Sept 22. Use Stat Crunch now, or you will spend too much time number crunching later in the course, spending unnecessary hours on homework.

ch 4 by Sept 23 Take test CH 4 by October 6. MANY PEOPLE FIND THIS TO BE A DIFFICULT CHAPTER. Come see me or chat with me online if you want an alternative explanation to the ones given in the text.

email me rough project ideas by October 10

ch 5 by Oct 7 Take test CH 5 by Oct 13. Be sure you know how to use Stat Crunch or the TI Calculator for this chapter.

ch 6 by Oct 14 Take test CH 6 by Oct 24

ch 7 by Oct 25 Take test CH 7 by Nov 3

ch 8 by Nov 4 Take test Ch 8 by Nov 14 MANY PEOPLE FIND THIS CHAPTER TO BE DIFFICULT.

ch 9 by Nov 15 Take test Ch 9 by Nov 28 (Thanksgiving is Nov 26)

ch 10 by Nov 29 Take test Ch 10 Dec 5 (Do NOT calculate the r value, slope or intercept by hand. Use Stat Crunch or the graphing calculator. Excel is easy to use, too.)

notify me by Dec 1 if you want to take the Final exam at a place other than TRCC

Dec 6: Begin studying for final exam. See material for focusing your study on Blackboard under Course Contents. The final exam will focus on Chapters 5-10. However, the material in Ch 1-4 is necessary to understand the material in ch 5-10.

Finish project by Dec 15. Post it to the Discussions on Blackboard. Please start a new thread for each project. Use 'reply' to comment on your classmates' work.

Final Exam dates at TRCC: Choose 1 day to take your final with me in person OR email me if you would like to arrange a different time or different place, such as another community college or a military base.)

Dec 14 at 6 -8 PM OR

Dec 16 at 6 -8 PM OR

Dec 17 at 9:30 – 11:30 AM Rooms will be announced later.