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**Course:** ON DEMAND

**Course Description:** MATH 183: Introductory Statistics (3 hours) meets five learning objectives as part of the Colonnade requirement for quantitative reasoning. MATH 183 students will learn to interpret, illustrate, and communicate mathematical and statistical ideas. Further, students will learn to model and solve problems. As part of this course students will learn concepts from introduction to elementary probability theory; the analysis of data by means of frequency distributions and the statistics which describe them; the binomial and normal probability distributions; statistical inference; and emphasis is on applied real world problems. This course is not accepted for credit toward the mathematics major or minor.

MATH 183 specifically meets the five learning objectives as detailed below:

- Learning Objective 1: Interpret information presented in mathematical and/or statistical forms.
- Learning Objective 2: Illustrate and communicate mathematical and/or statistical information symbolically, visually and/or numerically.
- Learning Objective 3: Determine when computations are needed and execute the appropriate computations.
- Learning Objective 4: Apply an appropriate model to the problem to be solved.
- Learning Objective 5: Make inferences, evaluate assumptions, and assess limitations in estimation modeling and/or statistical analysis.



Diversity, Equity, and Inclusion will serve as the foundation for a learning environment in my classroom. Whether you are short, tall, or in between, you will have a place in my classroom. For I am a tall woman to some and short to others. I am a woman of color, and all colors produce a beautiful picture to admire, study, and learn from. I am first generation; I am a proud Army Brat. I have learned from many cultures and traveled to my towns, cities, states, and lands. I want my classroom to be a zone free of hate, indifference, and intolerance. I am a friend, a mother, a sister, and a daughter. Together we can learn from each other. Together we can teach each other. Together we can promote and teach acceptance in my classroom. I am woman of STEM (science, technology, engineering, and mathematics), I am WISE (woman in science and engineering), I am an educator. You may not like my subject, and I will not judge you, but I will help you to appreciate the beauty it has to offer. I wear many badges of honor and I am Diverse and will promote this throughout this learning experience. I am Equity and will be sure that all are treated as I would like to be treated, with respect and dignity. I am Inclusion and will be proud to include all in the learning process.

CREATE SAFE SPACES FOR  
YOURSELF. WRAP YOURSELF IN  
GOODNESS AND WARMTH AND LOVE.  
STAY SURROUNDED BY PEOPLE WHO  
ARE GENUINE- THINK TWICE IF YOU  
CAN'T TRUST THEM WITH YOUR  
HEART. YOU ARE ALLOWED TO  
PROTECT YOUR PEACE. BE MINDFUL  
AND AWARE OF ALL ENERGY THAT  
YOU ALLOW INTO YOUR LIFE.

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**Course website:** We will be using MyLab Statistics for the course. Class notes will be posted in MyLab Statistics and in blackboard. All homework and quiz assignments will be completed in MyLab Statistics. All exams will be taken in a proctored setting and taken via MyLab Statistics. Students should obtain notes and assignments from MyLab Statistics prior to watching the video lesson. See the video and handout for **MyLab Statistics registration information in blackboard**.

**Prerequisites:** At least one of the following criteria must be met to enroll in Math 116:

- Math ACT score of 22 or better OR Math SAT score of 560 or better
- High School GPA (unweighted) of 3.5 or higher
- A score of 14 or better on the WKU Math Placement Exam within the last year
- A score of 14 or better on the KYOTE College Algebra Exam within the last year
- Completion of DMA 096C with a grade of C or better

**Materials:** Sullivan, III and Woodbury, Interactive Statistics 2<sup>nd</sup> edition is an OPTIONAL purchase, but you must purchase.  
MyLab Statistics /eBook ISBN: 9780321694645

***YOU WILL NEED TO SEND AN EMAIL TO [robin.ayers@wku.edu](mailto:robin.ayers@wku.edu) TO RECEIVE A WELCOME EMAIL AND FURTHER INSTRUCTIONS FOR GAINING ACCESS AND COURSEID FOR MYLAB ACCESS AS WELL AS TEST INFORMATION.***

- The physical **textbook is optional**; the entire content of the textbook can be accessed electronically within the MyLab Statistics program.  
**A subscription to MyLab Statistics is required** (packaged with the eBook or available for purchase online). Stand-alone online access can be purchased at the bookstore or online via MyLab Statistics. Check prices; it might be cheaper to purchase directly from Pearson on MyLab Statistics! Instructions for registering for MyLab Statistics are in blackboard. You must log into blackboard and register for MyLab Statistics to complete all work for the course.
- **Each student will need a graphing calculator for assignments, quizzes, and exams.** TI-83 and TI-84 are preferred, and instruction for these models will be given (in fact, the text is specifically designed for these models). Cell phone calculators are not permitted!
- **Each student needs regular, reliable internet access.** You need to have a back-up plan for when your internet access is down. Any equipment problems (including internet outages) will not be considered a valid excuse for missing assignments!

**Course Topics:** We will cover selected topics from chapters 1 through 12 of the textbook. We will not necessarily cover topics in the order in which they are presented in the text. Here is a tentative outline of the material that we will cover:

Chapter 1  
Chapter 2  
Chapter 3  
Chapter 4  
    EXAM 1  
Chapter 5  
Chapter 6  
Chapter 7  
    Exam 2  
Chapter 8  
Chapter 9  
Chapter 10  
Chapter 12  
    Exam 3

Comprehensive Final Exam

To see how you can finish this course in 7 weeks or 15 weeks, see the video in blackboard called: [Suggested Calendar](#).

**First Homework assignment and Orientation:** this is a chance to earn some easy points and start with a 100%. When you enter MyLab Statistics, there is an orientation that must be completed. It has questions about the video that you are required to watch. There are also questions about the syllabus and the make-up of the class.

**Interactive Video Lessons:** You will be required to watch the interactive video lessons that are a part of the text build into MyLab Statistics. There will be two assignments per section, one will be a reading/video assignment in which you must score a minimum of 50% in order to start a homework. The second is the actual homework assignment and the score you make will have an overall effect on your grade. This course is very self-disciplined based. You cannot get lazy. To see how the interactive video lessons work, watch the demo in blackboard called: [Interactive Video Lessons](#).

**Graded work: Online Homework (10%)** Homework will be assigned daily via MyLab Statistics throughout the duration of the course. It is your responsibility to access the assignment in adequate time to complete it before the due date. You will be allowed to some of the homework problems an unlimited number of times. To see how the homework assignments work, watch the demo in blackboard called: [On-Line Homework via MyLab Statistics](#).

**On-line Quizzes (10%)** These quizzes will occur at the end of each chapter. These quizzes are to be taken in the MyLab Statistics. These quizzes will vary in number of questions and points. You will be given two attempts per quiz and I will take the higher grade of each attempt. I strongly suggest that you complete the end of chapter review and the End of Chapter (EOC) homework before you take the quiz....it is good practice for you. MyLab Statistics is used for taking quizzes as well: see the video: [Taking quizzes via MyLab Statistics](#).

**Exams/Final:** please refer to the welcome email about test in the course.

**Grading:** Final grades will be assigned as follows:

90-100% A	80-89% B	70-79% C	60-69% D	below 60% F
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**Gradebook:** Grades will be posted on MyLab Statistics. Please consider the online gradebook as a courtesy to you, subject to errors given various upgrades and shifts in the software. I reserve the right to make gradebook corrections to keep it consistent with the syllabus so that your grade reflects true performance, not software or user error. If you see something that doesn't make sense, please alert me. Your online grade may not reflect dropped assignments. For more on the gradebook, see the video in blackboard called: [MyLab Statistics Gradebook](#).

**ADA Statement:** In compliance with university policy, students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Student Accessibility Resource Center (SARC) in Downing Student Union 1074. The SARC telephone number is (270) 745-5004; TTY is (270) 745-3030. Per university policy, please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from the SARC.

**Academic Dishonesty:** Students who commit any act of academic dishonesty may receive from the instructor a failing grade in that portion of the coursework in which the act is detected or a failing grade in the course without possibility of withdrawal. The faculty member may also present the case to the Office of Judicial Affairs for disciplinary sanctions.

**General statements:**

- Ask questions if a topic is unclear to you. Don't be shy. Questions help everyone!
- Keep up with our assignments in MyLab Statistics.

# MyLab Statistics Tips

## General Navigation

- The timeline at the top of the homepage will help keep you on track with online homework. It shows when things were assigned and when they are due. It also indicates when announcements have been posted.
- While the scores of individual assignments on MyLab Statistics are (usually) correct, the overall course grade that is calculated may not be.
- To find class materials that you should access and/or print prior to class meetings, click on the "Class Materials" link on the left-hand side of the course page.
- Homework can be found via the "Homework" link.
- The online version of the textbook is available via the "Chapter Contents" link.
- Anything involving the "Study Plan" is optional.

## Completing Assignments

- Always start assignments on the day they are assigned! The **due** date is not the same thing as the **do** date!
- All online homework assignments will be posted under the "Homework" link.
- The textbook has sample tests and quizzes under the "Quizzes & Tests" link. I did *not* create these, and they are completely optional.
- Some homework problems allow for an infinite number of attempts. When this is not the case, an instructor note will pop up, letting you know how many attempts you have for that question. Please note that just because you click the "Final Check" button for a problem, that does not *always* mean it is your last attempt; it *might* mean that it is your last attempt for *that version* of the problem. If a "Similar Exercise" button appears, that means you are still allowed to attempt that problem again!
- You can print homework assignments by selecting the Print link on the right-hand side of any "Do Homework" window. You will be given the option of printing either the active question only or the entire assignment.
- I strongly recommend that you write out any work you do while completing homework assignments. Since quizzes and exams are paper-and-pencil format and will require that you show work, it is a good habit to have while doing the homework. Also, this allows for easy review of your work when you are studying for in-class quizzes and exams.
- After the due date for an assignment has passed, you can no longer view it through the "Homework" link. Instead, you will need to go to the "Gradebook" link. From there, you will see a Review link for each of the graded assignments. Clicking on this link will allow you to see a list of the assignment questions, as well as whether you received full credit (indicated by a green check), no credit (indicated by a red x), or partial credit (indicated by both a check and x) for each question that you attempted. Additionally, you will see an icon of a head with a talk bubble next to any question for which I have added a comment about your answer. This is my way of giving feedback to you for some of the questions you missed.

## Getting Help With Assignments

- Each homework problem will have a variety of links on the right-hand side. Some will allow you to view an "Animation" or "Video" about the topic at hand. The "Textbook" link will take you to the section of the ebook that covers the material pertaining to the specific problem.
- The "Ask My Instructor" link allows you to email Ms. Ayers with a link to your exact problem (problem specifics sometimes vary from student to student). Clicking the "Ask My Instructor" link and asking something along the lines of "How do I do this?" will not be acceptable. You need to explain what you tried and where you are having an issue.