

# MATH 183-C01: INTRODUCTORY STATISTICS

## SUMMER 2020

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Office Hours: by appointment on Zoom (<https://wku.zoom.us/j/7296896730>)

### CLASS MEETINGS

MTWRF 10:30 AM – 12:10 PM on Zoom (Meeting ID: 950 0069 5007)

- You must first register (one time only) for the Zoom class meetings by visiting <https://wku.zoom.us/meeting/register/tjEtd-mupz4qGtNfoKQemweoG3pkycntLHl8>.
- After registering, you can access the class Zoom meeting via the Zoom link on Blackboard course homepage or by visiting the link provided in the registration confirmation email.

### COURSE WEB SITE

We will use Blackboard for the main course homepage. Class notes and announcements will be posted there (some announcements will also be sent to your WKU e-mail). Students should check this site for updates prior to class each day. All assignments will be completed on MyStatLab.

### DESCRIPTION

- Prerequisite: Satisfactory score on Math ACT and MPE, or COMPASS or KYOTE; or any Colonnade Quantitative Reasoning course with a grade of C or better. (see [https://www.wku.edu/getready/documents/math\\_placement\\_3\\_2019.pdf](https://www.wku.edu/getready/documents/math_placement_3_2019.pdf)).
- 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.

### COURSE MATERIALS

**MyStatLab/eBook ISBN: 9780321694645**

Triola, M., *Elementary Statistics Using the TI-83/84 Plus Calculator* (5th Edition), 2018, Pearson.

- **The *physical* textbook is *optional*; the entire content of the textbook can be accessed electronically within the MyStatLab program.**
- Note: Stand-alone online access can be purchased at the bookstore or online via Pearson. The price at the WKU bookstore is \$150. The online price directly from Pearson is \$139.99. It might be possible to purchase from other vendors, but I cannot verify the validity of such purchases.

## MATERIAL TO BE COVERED

We will cover selected topics from chapters 1 through 11 of the textbook. We will not necessarily cover topics in the order in which they are presented in the text.

## TECHNOLOGY

- A subscription to MyStatLab is required (packaged with the eBook or available for purchase online). Course ID: **autin50316** (See page 5 of the syllabus.)
- **Each student needs regular, reliable internet access.** The entirety of this course is online. I strongly suggest that you also have a back-up plan for when your internet access is down.
- We will use StatCrunch (provided with the textbook) for all statistical analyses. This is an online platform, so internet access is again vital.
- Each student will need a calculator for basic calculations.
- I have set up a class on the Remind app. You can essentially use this to text me to tell me you would like to meet with me on Zoom. I will likely see this more immediately than I will an email! To join the class on Remind, you have two options:
  - On your mobile device, go to <https://www.remind.com/join/math183sum>.
  - Send a text to 81010. The message should be "@math183sum" without the quotes.

## ATTENDANCE

Online Zoom attendance will be recorded each day, and regular attendance is expected. The WKU University Attendance Policy (web version at <https://www.wku.edu/undergraduatecatalog/>) states the following in regard to attendance: "Excessive absenteeism may result in the instructor's dismissing the student from the class and recording a failing grade, unless the student officially withdraws from the class before the withdrawal deadline." For this class, absence from *more than 3* classes (**whether excused or unexcused**) will be considered excessive. The instructor will note students who arrive excessively late or leave excessively early; such instances will be counted as an absence.

## GRADED WORK

- **Exams** (20% each) Three online in-class exams will be given during the course of the semester. The exact dates will be confirmed in class and online several days in advance. Make-up exams will be considered only in extreme (and excused) circumstances. Contact me *before* the exam if you feel that your situation merits a make-up.
- **Homework** (20%) Homework will be assigned via MyStatLab on each class day. Each assignment is usually due at 11:59 PM two days after it has been assigned. It is your responsibility to access the assignment in adequate time to complete it *before* the due date/time. You will be allowed to attempt some of the homework problems an unlimited number of times. Late submissions will be penalized. Any activities completed during class (for which make-ups are not allowed) will count towards your Homework grade.
- **Final Exam** (20%) A comprehensive final exam will be given on **Thursday, August 13 at 10:30 AM**.

## GRADING SCALE

[89.5%, 100%] A    [79.5%, 89.5%) B    [69.5%, 79.5%) C    [59.5%, 69.5%) D    [0%, 59.5%) F

## GRADEBOOK

Grades will be posted on MyStatLab (not on Blackboard). 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.

## IMPORTANT DATES

July 15: Last day to add/drop classes

August 4: Last day to drop a class with a W (withdrawal); last day to change a class from credit to audit

## 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.”
- Plagiarism will not be tolerated. “To represent written work taken from another source as one’s own is plagiarism. Plagiarism is a serious offense. The academic work of a student must be his/her/their own. One must give any author credit for source material borrowed from him/her/them. To lift content directly from a source without giving credit is a flagrant act. To present a borrowed passage without reference to the source after having changed a few words is also plagiarism.”
- See <https://www.wku.edu/undergraduatecatalog>.
- Students may help each other on homework assignments, but *individual* work is required on all exams.

## E-MAIL ETIQUETTE

E-mail will generally be the best way to contact me. During normal business hours, I usually respond to e-mail fairly quickly (unless I am in a meeting/class/etc.). Please keep in mind that I am not as quick to respond to e-mail in the evenings or during the weekends/holidays. Please consider e-mail as a method of ***professional*** correspondence. Thus, you should do your best to use correct grammar, punctuation, and capitalization.

## ADA ACCOMMODATIONS

In compliance with University policy, students with disabilities who require academic and/or auxiliary accommodations for this course must contact the Student Accessibility Resource Center located in Downing Student Union, 1074. SARC can be reached by phone number at 270-745-5004 [270-745-3030 TTY] or via email at [sarc.connect@wku.edu](mailto:sarc.connect@wku.edu). Please do not request accommodations directly from the professor or instructor without a faculty notification letter (FNL) from The Student Accessibility Resource Center.

## TITLE IX MISCONDUCT/ASSAULT STATEMENT

- WKU is committed to supporting faculty, staff and students by upholding WKU’s Title IX Sexual Misconduct/Assault Policy (#0.2070) at <https://wku.edu/eoo/documents/titleix/wkutitleixpolicyandgrievanceprocedure.pdf> and Discrimination and Harassment Policy (#0.2040) at [https://wku.edu/policies/hr\\_policies/2040\\_discrimination\\_harassment\\_policy.pdf](https://wku.edu/policies/hr_policies/2040_discrimination_harassment_policy.pdf).
- Under these policies, discrimination, harassment and/or sexual misconduct based on sex/gender are prohibited. If you experience an incident of sex/gender-based discrimination, harassment and/or sexual misconduct, you are encouraged to report it to the Title IX Coordinator, Andrea Anderson, 270-745-5398 or Title IX Investigators, Michael Crowe, 270-745-5429 or Joshua Hayes, 270-745-5121.
- Please note that while you may report an incident of sex/gender based discrimination, harassment and/or sexual misconduct to a faculty member, WKU faculty are “Responsible Employees” of the University and **MUST** report what you share to WKU’s Title IX Coordinator or Title IX Investigator. If you would like to speak with someone who may be able to afford you confidentiality, you may contact WKU’s Counseling and Testing Center at 270-745-3159.

## GENERAL STATEMENTS

- This class will contain material that builds on previous material covered, so DO NOT FALL BEHIND! If you miss a class, catch up immediately.

- Understanding problems that I work during class and being able to work problems on your own are two completely different things. If you do not do the homework, you will likely find the exams quite difficult.
- If you are having trouble with a topic covered, contact me for help as soon as problems arise (i.e., not the day of the exam or the day an assignment is due).

**DISCLAIMER**

This syllabus is subject to change at the discretion of the instructor. Any such changes will be clearly communicated by email and/or on Blackboard.

# MyStatLab Registration

**MyStatLab** is an interactive website where you can:

- Self-test & work through practice exercises with step-by-step help to improve your math skills.
- Study more efficiently with a personalized study plan and exercises that match your book.
- Get help when YOU need it. MyStatLab includes multimedia learning aids, videos, animations, and live tutorial help.

## DATES

- *Enrollment* in the course on MyStatLab is available starting July 8.
- *Access* to the course (after enrollment) may not be immediately available. It will be available no later than July 13.

## STUDENT REGISTRATION

1. Go to [www.mystatlab.com](http://www.mystatlab.com) (or click on the MyStatLab tab on the Blackboard course homepage).
2. Under Register, click **Student**.
3. Confirm you have the information needed, then select **OK! Register now**.
4. Enter your **Course ID** exactly as **autin50316**, and click **Continue**.
5. Sign in with an existing Pearson account or create an account:
  - If you have used a Pearson website (MyMathLab, MyITLab, Mastering, or MyPsychLab, etc.) before, enter your Pearson username and password. Click **Sign in**.
  - If you do not have a Pearson account, click **Create** and complete the required fields.
6. Select an access option:
  - Use the access code that you purchased previously (likely from the bookstore).
  - Buy access directly using a credit card or PayPal account.
  - Get 14 days of free temporary access. (Look for a link near the bottom of the page.)
7. Click **Go To My Courses** on the confirmation page.
8. On the My Courses page, click **MATH 183-C01 Summer 2020** to access the course page (once available).

## RETAKING THE COURSE?

If you are retaking this course *with the same book*, be sure to use your existing Pearson username and password. You should not need to pay again. However, you will need to enroll in this specific course using the Course ID.

## SIGNING IN

1. Go to [www.mystatlab.com](http://www.mystatlab.com) and click **Sign in**.
2. Enter your **username** and **password** and click **Sign In**.
3. On the My Courses page, click **MATH 183-C01 Summer 2020** to access the course page (once available).

## NEED HELP?

Contact Product Support at <http://www.mystatlab.com/student-support> for live CHAT, email, or phone support.

## TO UPGRADE TEMPORARY ACCESS TO FULL ACCESS

1. Go to [www.mystatlab.com](http://www.mystatlab.com) (or click on the MyStatLab tab on the Blackboard course homepage) and click **Sign in**.
2. Enter your **username** and **password** and click **Sign In**.
3. Select **Upgrade access** for MATH 183-C01 Summer 2020.
4. Enter an access code, or purchase access with a credit card or PayPal account.

# MyStatLab 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.
- Homework and exams can be found via the "Assignments" link.
- The online version of the textbook is available via the "Chapter Contents" and "eText" links.
- 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 homework assignments and exams will be posted under the "Assignments" link.
- The textbook also has sample tests and quizzes under the "Assignments" link. I did *not* create these, and they are completely optional.
- Most homework problems allow for an infinite number of attempts. 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 Question" or "Try Again" button appears, that means you are still allowed to attempt that problem again (but it will be slightly altered)!
- You can print homework assignments by selecting the "Print" link under the "Question Help" drop-down menu. You will be given the option of printing either the active question only or the entire assignment.
- I *strongly* suggest that you write out any work you do while completing homework assignments. Since exams **will require that you show work for full credit**, it is a good habit to develop while doing the homework. Also, this allows for easy review of your work when you are studying for exams.
- After the due date for an assignment has passed, you can no longer view it through the "Assignments" 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; this will generally be done the morning after the assignment is due.

## GETTING HELP WITH HOMEWORK ASSIGNMENTS

- Each homework problem will have a variety of links under the "Question Help" drop-down menu. 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 about which you are being asked.
- The "Ask My Instructor" link under the "Question Help" drop-down menu allows you to email me 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 sufficient. **It is expected that you will explain what you have tried and where you are having an issue.** Please note that if I reply with a question, it is my way of engaging in an online dialogue. Resolving your problem may require several back-and-forth emails, much like an in-person conversation would require back-and-forth talking.
- Students who abuse the "Ask My Instructor" button (by overusing it) will be asked to seek assistance from me via Zoom office hours.
- Most homework assignments are due at 11:59 PM on the specified date. Please note that just because you send me an email with questions before that time (such as at 5:30 PM that night), that does not mean that you will get a reply before the assignment is due.