

MATH 183-001

Introductory Statistics

Spring 2024

8:00-8:55 MWF in SH 1101

3 credit hours

Instructor: Dr. Tom Richmond
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COHH 3106

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Office Hours: 9:05-09:45 MF, 2:10-2:45 TR, and by appointment.

The Math Tutoring Lab provides free assistance with MATH 183 material. They are located in COHH 2124. Further information, including their open hours, can be found at <https://www.wku.edu/math/mathtutoringlab.php>.

Purpose of Course: 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.

Learning Objectives: MATH 183 specifically meets the following five learning objectives as part of the Colonnade requirement for quantitative reasoning.

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

Prerequisite: Eligibility for College Algebra based on Math ACT, MPE, COMPASS, or KYOTE scores; or DMA 096 C with grade of C or better.

Attendance Policy: Registration in a course obligates the student to be regular and punctual in class attendance. Four or more unexcused absences from class may result in an "F" as final course grade. A student absent from class bears full responsibility for subject matter and announcements missed.

Testing and Grading: Students are responsible for material presented in class and the material in the text. There will be 100 points of homework, assigned and graded regularly using MyLabStat, Three 100-point tests, and a 150-point comprehensive final exam. There may be up to 50 points of additional daily grades, consisting of homework, quizzes, or projects. Grading will follow the 10-point scale. The final exam will be given at 8:00 Tuesday, April 30, 2024.

Course Materials: A subscription to Pearson MyLab is required for this course. MyLab access codes are linked with specific Textbooks. Access to MyLab is being provided automatically through the Big Red Backpack program and can be accessed within Blackboard.

Accessing MyStatLab in Blackboard:

Blackboard

- > Math 183 Introductory Statistics
- > MyStatLab (on the left)
 - Launch Courseware. The first time you do this, you will be asked accept the terms and conditions and to sign in to your Pearson or create an account.
 - Open MyLab&Mastering.

Opting out of the Big Red Backpack: If you opt-out of the Big Red Backpack you will need to plan on purchasing the access another way. For non-BRB pricing and purchasing options through the bookstore, please visit <https://wku.bncollege.com/course-material/course-finder> and be sure to select the term labeled "opt-out." For more information about the Big Red Backpack in general, please visit this link: <https://www.wku.edu/bigredbackpack/>

The textbook is: Triola, M., Elementary Statistics Using the TI-83/84 Plus Calculator (5th Edition), Pearson.

Course Outline: We will cover Chapters 1-8 and 10, and maybe selected topics from other Chapters.

Last Day to Withdraw/Change to Audit: March 28, 2024 (Strictly enforced!)

Academic Dishonesty IS NOT PERMITTED. Cheating includes such acts as representing another person's work as your own, or using unauthorized electronic resources to complete your work, or using any form of unapproved external assistance for your graded work. If you are caught cheating, you will AUTOMATICALLY receive an F in the course. You will also be turned over to the Office of Judicial Affairs for disciplinary sanctions. As with all WKU classes, student work may be checked using plagiarism detection software.

ADA Accommodation Statement: 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. Please do not request accommodations directly from the professor or instructor without a faculty notification letter (FNL) from The Student Accessibility Resource Center.

Sexual Misconduct/Assault Policy: Western Kentucky University (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.

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.

The instructor of this course reserves the right to change these policies during the semester.