

# ILLINOIS STATE UNIVERSITY



COLLEGE OF BUSINESS  
*Management & Quantitative Methods*  
Department

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## **Statistical Reasoning (MGT 100 Section 002) Spring 2026**

### **College of Business Mission & Vision**

Through our shared commitment to excellence in teaching, research, and service, we prepare students to be skilled and ethical business professionals who will make significant positive contributions to organizations, to communities, and to our larger society. We strive to be the first choice for business education in Illinois.

### **Instructor Information**

- **Instructor:** Prof. Katy Koe
- **Office Hours:** By appointment usually T or Th shortly after class. My office is SFHB 102. If you are ill, please contact me by email.
- **Email:** [kakoe@ilstu.edu](mailto:kakoe@ilstu.edu) (Best way)
- **Office number:** 309-438-7202

### **Class Information**

- **Credit:** 3
- **Location:** SFHB 148
- **Time:** Tuesday and Thursday 8:00am – 9:15am
- **Prerequisites:** MAT 120, 121, 144 or 145

### **Catalog Description**

Application of statistical concepts to decision problems confronting organizations and individuals. Includes descriptive tools, probability concepts, sampling processes, statistical inference, regression, and nonparametric procedures. Not for credit if had ECO 138.

### **Course Objectives**

Students will apply statistical concepts to problems of everyday life, including individuals, businesses, and societies. The course addresses topics in descriptive statistics, probability, and statistical inference. Students develop quantitative reasoning skills using a broad variety of decision situations, and appropriate technology.

## Methods of Instruction

### Textbook

Introductory Statistics: Exploring the World through Data, 4<sup>th</sup> Edition (2024), Gould, Robert and Colleen Ryan. Binder version of the text, or hardback edition, or downloadable e-book are available.

For homework: **(Required)** 18-week access Introductory Statistics: Exploring the World Through Data—MyLab Statistics with Pearson e Text Access Code

Original Materials:



**Introductory Statistics: Exploring the World Through Data**

**4th Edition**

Author(s): Gould, Robert | Wong, Rebecca | Ryan, Colleen

Textbook ISBN-13: 9780138242145

Series: **MyLab Statistics**

Sub-series: With Integrated Review

### Calculator

The class will be taught using the TI-84 Plus calculator and is strongly recommended. Any other calculator may be used. Those with statistical functions will be most useful.

### Grading Criteria

#### Unit Exams: **Required-35%**

- **Prior Notice Rule:** If you are going to miss an exam you must contact me prior to the exam via email. If you have a valid legitimate verifiable reason for the missed class, then you will be offered a makeup exam. **If you do not contact me prior to the exam, then you will not be allowed a makeup exam.** All make-up exams must be taken no later than three days following the originally scheduled exam (not counting weekends).
- Three in-class unit exams. You will have **one** chance to complete each exam.
- Missed Exam: If you missed a regularly scheduled exam, you may use the replacement option **only once** as explained below.
- **Replacement Option:** At the end of the semester, your final exam percentage will replace the missed test, thus “canceling” out the zero. You may replace **at most one** of your regular exam scores with the percentage that you receive on the final exam if it is in your benefit.
- You may **not** replace a score of zero on an exam if the score of zero was assigned due to academic dishonesty.
- **You will be required to show your ISU student ID for all exams.**

## MyLabsPlus-Pearson: Required

Internet access and this software is **required**. (This software is available to you with the e Text at the ISU campus bookstores OR can be purchased online separately).

- **Online Homework: Required-20%**

- Each week there are homework assignments in Pearson for the sections we are covering that week. There are **specific due dates posted in MLP** for each homework assignments. You may continue to redo these assignments up until this due date to receive a score that you are happy with. Once the deadline for the assignment has passed, the homework for that unit will be closed and grades for that unit is final. Remember at the end of the semester, homework counts for 20% of your final grade. It is very important that you do this homework. You have 5 attempts to work on each question.
- At the end of the semester, I will drop three of your lowest homework score.

- **Absolutely no extensions on homework.**

- To sign up for the online homework:  
To register for the class:

To register for MGT 100-002 Spring 2026 Statistical Reasoning:



### Student Registration Instructions for Canvas

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#### First, open your Pearson content

1. Log in to Canvas as a student and enter your course.
2. Depending on your course setup, do one of the following. [Don't know your setup?](#)
  - Select **MyLab and Mastering** or **Access Pearson** in Course Navigation.
  - Select a Pearson link in a module.
  - **Barnes & Noble, Follett Willo, RedShelf, and VitalSource:** Select the Course Materials link and then check your opt status. If applicable, select **Launch Courseware** or **Access Courseware**.
3. If prompted, select **Open Pearson**.
4. Select **Open MyLab & Mastering** to go to the course home page or select a link under Student Links.

**Online Quizzes: Required-15%**

- Quizzes are online. You can earn up to 100 points. Your points will be calculated using your **overall quiz average on all quizzes** multiplied by 100.
- You have 2 attempts for each quiz.
- **Absolutely no extensions on quizzes.**

**Activities: Required-10%**

- There are deadline and you will have activities to complete. I will count the 8 highest score.
- No make-up on missed activities.
- **Absolutely no extensions on activities**

**Final Exam: Required-20%**

- **The final exam is comprehensive and given during final exam week, TBD. Time, Date, and Place will be announced later.**
- All final exams are comprehensive and **taken only once**. Comprehensive Final Exam is mandated by the Department. Absolutely **no** make-up on Final Exam!!

**Method of Evaluation (Tests/Exams, Grading System):**

Students’ grades are based on successful completion of homework, online quizzes, and tests.

3 Unit Exams	35%
Online MyLabsPlus Homework	20%
Quizzes	15%
Discussions	10%
<u>Final Exam</u>	20%
Total Possible Percentage	100%

<b>Grade Scale Based on Total %:</b>	
90-100%	A
80-89%	B
70-79%	C
60-69%	D
0-59%	F

**Extra Credit:** There will be **no** extra points to earn at the end of the semester!!!!

**HELP:**

1. from Prof Koe. (in class and/or in office)
2. from your classmates--group study sessions are strongly encouraged
3. from tutors – Wednesday-Time: 4-6pm Location: TBD

## Class Policies:

- **NOTICE OF RECORDING:** This class will be using online technology. The recordings of class lecture will not be allowed without prior approval.
- Students are expected to behave in a manner consistent with being in a professional environment. Open discussion and disagreement are encouraged in a respectful manner. Open hostility, rudeness, and incivility are discouraged and will result in appropriate action. Students acting in a disruptive or uncivil manner may be dismissed from the class for the remainder of the class period. If necessary, referrals may also be made to Community Rights & Responsibilities for violations of the Code of Student Conduct.
- Food and drink (other than water) are not permitted in State Farm Hall of Business classrooms.
- Academic misconduct (e.g., cheating on exams, projects or assignments or assisting another student's cheating) will result in a grade of "F" for the course. Refer to your undergraduate catalog for a detailed university-wide description of academic misconduct.
- Illinois State University, as an equal opportunity/affirmative action employer, complies with all applicable federal and state laws regarding affirmative action, nondiscrimination, and anti-harassment. Illinois State University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, sexual orientation, order of protection, gender identity and expression, ancestry, age, marital status, disability, genetic information, unfavorable military discharge, or status as a veteran in employment, educational programs and activities, or admissions. Inquiries or complaints may be addressed by contacting the director of the Office of Equal Opportunity and Access by email at [EqualOpportunity@IllinoisState.edu](mailto:EqualOpportunity@IllinoisState.edu), by calling (309) 438-3383, or by mailing to the office at Illinois State University, Campus Box 1280, Normal, IL 61790.
- Any student needing to arrange a reasonable accommodation for a documented disability and/or medical/mental health condition should contact Student Access and Accommodation Services at 350 Fell Hall, (309) 438-5853, or visit the website at [StudentAccess.IllinoisState.edu](http://StudentAccess.IllinoisState.edu).

## Important Date:

**4/10-Last day to withdraw from full semester course with a WX grade**