MATH 10041 **–???** INTRODUCTORY STATISTICS

# Spring 2024 CRN ?????

**INSTRUCTOR**: (pronouns: she, her hers OR he, him, his) **OFFICE**:

**PHONE:** **E-MAIL:**

**GRADUATE ASSISTANT:**  (pronouns: she, her hers OR he, him, his) **OFFICE**:

**PHONE:** **E-MAIL:**

**STUDENT DROP- IN HOURS**: If you cannot make it to my regularly scheduled drop-in hours, please email me to set up a different time that works for us both. I may offer extra study sessions before exams.

**CLASS TIMES:** in 319 MSB

**CATALOG DESCRIPTION**. (Equivalent to [MATH 10040](https://catalog.kent.edu/search/?P=MATH%2010040)) An introduction to statistical thinking and statistical methods. Emphasis is on statistical literacy, conceptual understanding, and active learning in the classroom. No credit earned for this course if a student already earned credit for [MATH 10040](https://catalog.kent.edu/search/?P=MATH%2010040). Students who do not meet the prerequisites but do have a minimum of 3.5 high school GPA should contact the department for approval to register.

Detailed learning outcomes are available [here.](https://www-s3-live.kent.edu/s3fs-root/s3fs-public/file/10040_10041.pdf)

**KENT CORE REQUIREMENT:** This course may be used to satisfy the Kent Core Requirement. The Kent Core broadens intellectual perspectives, fosters ethical and humanitarian values, and prepares students for responsible citizenship and productive careers.

**COURSE PREREQUISITE:** Minimum 22 ACT math score; or minimum 530 SAT math score; or minimum 3.5 overall high school GPA; or minimum 35 ALEKS Math score; or [MATH 00022](https://catalog.kent.edu/search/?P=MATH%2000022) with a minimum C grade; or any higher level MATH course.

**CANVAS website:** We have a Canvas site for this course, which you can access via flashline.

**“FLIPPED PEDAGOGY.”** In this course we expect you to read and study the textbook or e-text BEFORE coming to each class. A Reading Quiz, available on Canvas, will be due before EVERY CLASS MEETING on these readings. Don’t worry. These Reading Quizzes (RQs) will be straightforward and not tricky and are open book. If you have spent sufficient time reading and thinking about the material, you will do well on them. Class time will be spent working on problems and activities either in a group or individually. We hope this course organization will help you “learn by doing” and develop a strong understanding of statistical reasoning.

**TEXT.** *Essential Statistics, Exploring the World Through Data, 3rd edition* by Robert Gould, Colleen Ryan, and Rebecca Wong. Published by Pearson. **You have already paid for electronic access** to this text when you paid your tuition bill. You will have access to the e-text via a link on our Canvas Course. You may choose to purchase a printed text on the MML website. This **companion print option is not required** and is an optional purchase, available to those who would like a printed texted. You will be expected to read the text on a regular basis. You also need to purchase the *MATH 10041 Introductory Statistics ACTIVITY BOOK 3nd edition,* available at the bookstore.

**SOFTWARE**.

**MyMathLab**. Homework will be completed on the software, MyMathLab (MML) that accompanies the text. You can access MyMathLab via our Canvas course.

**StatCrunch.** This is the statistical package that comes with MyMathLab at no additional cost. We will be doing some class activities on StatCrunch and some homework assignments require its use.

**CALCULATOR:**  You need a **graphing calculator** for class activities and homework assignments**.** I will be using a TI\*84 plus for in-class demonstrations and suggest you purchase one of these if you do not currently own a graphing calculator. Please bring the calculator to class ***every day.***

**ATTENDANCE POLICY**: I expect you to attend every class. If, however, you miss a class due to unforeseen circumstances, ***it is your responsibility to obtain notes from a group member and complete the daily group assignment on your own***. Acceptable reasons for missing class include illness and injury (with documentation), disability-related concerns, military service, death in the immediate family, religious observance, academic field trips, and participation in an approved concert or athletic event. Absences for these reasons are considered “excused.” Please notify me, in advance if at all possible, if you need to miss class. I do not allow make-ups on quizzes for unexcused absences.

**ASSIGNMENTS:**

**Daily Reading Quizzes.** Before each class, you need to read sections of the textbook or e-text as indicated by the reading guides given in each chapter module on Canvas. You need to complete a short reading quiz, also available in each chapter module on Canvas, before each class. These are due at ?? each class day. The reading guides tell you what I will ask on the quizzes. The emphasis is on the vocabulary. Makeups or extensions on these are rarely permitted and only considered if you have a WRITTEN university acceptable excuse for missing class that day.

**Daily Group Assignment.** During most class periods, you will work with your group on an activity. Each activity requires a write-up that will be submitted during class on Canvas. If your group does not finish the activity in class, you may submit it on Canvas by midnight the night before the next class. These will be graded. If you are absent and have a university-acceptable excuse, you may complete the activity **individually** with PAPER AND PENCIL and bring it to the **next class**.

**MyMathLab Homework Assignments**. You will be assigned homework problems on MyMathLab after each class period. These are to be completed individually and will be graded by the software. If you score an 85% or better on an assignment and submit it on time, you will receive 3 points for that assignment. If you score less than 85%, you will earn 0 points for that assignment. MML homework assignments are due at midnight on the class day *after* they are assigned, unless otherwise noted. Assignments submitted after due dates have an automatic 15% reduction**. I will accept *no* late assignments once the exam has been given on the chapter.** Exceptions to these deadlines are: a) documented illness, b) death in the immediate family, or c) involvement in a university-sponsored event (sports team, choir, etc.).

**Weekly Quizzes**. You will have between 8 and 10 quizzes during the semester, generally once a week during weeks when no exam is scheduled. These weekly quizzes will be completed with paper and pencil and will be more involved than the daily reading quizzes. If you do all your homework and understand the material, there is no reason not to do well on these quizzes. You need to be present the entire class period to earn the points for the quiz. Some of these may be group quizzes.

I give frequent quizzes for two reasons. One is to show me how well the class understands the material and whether I need to spend more time on certain concepts. The other is to let you assess how well you are understanding the concepts and where you need to focus more of your effort to learn the material. If you are struggling on the quizzes, you need to seek help from me or other resources mentioned in this syllabus.

**Exams.** You will have four in-class exams and a comprehensive final. **All exams will be taken electronically**, so you need to bring a laptop or a tablet to class on exam day OR use one of the school computers. Each student will have a different version of each exam.

**FINAL EXAM:** The final exam is a ***block final,*** which means all Introductory Statistics classes take it at the same time. Please make a note NOW of the day and date: ***Tuesday May 7, from 3:15 – 5:30 p.m*. *in a room TBA*.** The final is a cumulative exam.

**MAKE-UP EXAMS:** Given only under extraordinary circumstances with written verification of a university-accepted excuse (documented illness, death in immediate family, university-sponsored event). Please notify me IN ADVANCE, if possible, if an exam is to be missed.

**GRADING POLICY.** I provide multiple opportunities for you to receive feedback on your performance in our course. My hope is that you will develop the knowledge and skills needed to succeed in this course and that you will improve in competence and confidence through your **hard work** on homework, pre-class readings and quizzes, and exams. You will earn the grade you deserve. I do not curve grades or offer extra credit opportunities.

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| **GRADING:** | | ***Grading Scale*** *(in percents)* | | |
| Daily reading quizzes  (about 20 of them) | **75** |  |  |  |
| 4 Exams @ 100 points apiece | **400** |  |  |  |
| Weekly Quizzes (Group or Individual) | **90** |  |  |  |
| Daily group assignment (20 @ 5 points ea.) | **100** |  |  |  |
| MML HW assignments | **85** |  |  |  |
| Final Exam | **250** |  |  |  |
| **Total Points Possible** | **1000** | There will be NO CURVE | | |

**NOTE.**  Some students who are not doing well at different times during the semester may become uncertain about whether they belong in the class or should change majors. In most cases, I would advise hanging in there. Attending student drop-in hours, Academic Success Center tutoring, Supplemental Instruction Sessions, putting in extra hours studying, and/or joining a study group are all good strategies to help you persevere during the difficult times. Most students access university resources at some point in pursuit of a degree, so please don’t hesitate to seek help if you need it.

**CHEATING AND PLAGIARISM:** University policy 3342-3-01.8 deals with the problem of academic dishonesty, cheating, and plagiarism.  None of these will be tolerated in this class.  The sanctions provided in this policy will be used to deal with any violations.  If you have any questions, please read the policy [here](http://www.kent.edu/policyreg/administrative-policy-regarding-student-cheating-and-plagiarism) and/or ask. I believe that you can meet my expectations for this course. If you are concerned about how well you are doing, please come speak with me instead of considering academic misconduct.

**ACADEMIC SUPPORT**: Kent State recognizes many students face challenges and we are committed to supporting your academic journey when you need help.  Please check out these resources to help as you build your support system:

* *What is the first step I should take to get academic support for this class?* 
  + Reach out to your instructor!
* *Where can I get help from another student who earned a good grade in this class?* 
  + [Tutoring](https://www.kent.edu/asc/univ-tutoring)
  + [Supplemental Instruction](https://www.kent.edu/si)
* *Where can I go if I need assistance with how to study and meet my academic goals?* 
  + [Academic Coaching](https://www.kent.edu/coaching)
* *Where should I go when I don’t know where to go?* 
  + [Academic Advising](https://www.kent.edu/university-advising)
  + [TRIO Student Support Services](https://www.kent.edu/studentsupportservices)

There may be additional resources, just ask!

**DIVERSITY:** Kent State University is committed to the creation and maintenance of equitable and inclusive learning spaces. This course is a learning environment where all will be treated with respect and dignity, and where all individuals will have an equitable opportunity to succeed. The diversity that each student brings to this course is viewed as a strength and a benefit. Dimensions of diversity and their intersections include but are not limited to: race, ethnicity, national origin, primary language, age, gender identity and expression, sexual orientation, religious affiliation, mental and physical abilities, socio-economic status, family/caregiver status, and veteran status.

**PREFERRED NAME.** If your preferred name is not the same as the name that appears on the university roster or this course, please let me know so that I can use your preferred name.

**SCHOOL-LIFE CONFLICT.** Many students face obstacles to their education because of work or family obligations or unforeseen personal difficulties. If you are experiencing challenges throughout the term that are impacting your ability to succeed in this course, please reach out to me immediately so that we can work together to form a plan for your academic success. If you are unable to attend my drop-in hours, please email me to set up a time that works for you.

**MENTAL HEALTH AND COUNSELING SERVICES.** All of us need a support system, and many students benefit from the use of counselling services. Kent State’s [Counseling and Psychological Services](https://www.kent.edu/caps) (CAPS) provides both in-person and telehealth services, and is offering a variety of workshops, skill series, and outreach options that promote resiliency, reduce stress, and build the skills necessary to be successful here at Kent State University. They also offer both group and individual counseling as well as crisis support.

**ACCOMMODATION FOR RELIGIOUS PRACTICE:** The University welcomes individuals from all different faiths, philosophies, religious traditions, and other systems of belief, and supports their respective practices. In compliance with university policy and the Ohio Revised Code, the University permits students to request class absences for up to three (3) days, per term, in order to participate in organized activities conducted under the auspices of a religious denomination, church, or other religious or spiritual organization. Students will not be penalized as a result of any of these excused absences.

The request for excusal must be made, in writing, during the first fourteen (14) days of the semester and include the date(s) of each proposed absence or request for alternative religious accommodation. The request must clearly state that the proposed absence is to participate in religious activities. The request must also provide the accommodation(s) you desire.

You will be notified by me if your request is approved, or, if it is approved with modification. I will work with you in an effort to arrange a mutually agreeable alternative arrangement. For more information regarding this Policy you may contact the Student Ombuds ([ombuds@kent.edu](mailto:ombuds@kent.edu?subject=Testing%20Your%20Faith%20Act%20(H.B.%20353))).

**STUDENTS WITH DISABILITIES**: Kent State University is committed to inclusive and accessible educational experiences for all students. University policy 3342-3-01.3 requires that students with disabilities be provided reasonable accommodations to ensure their equal access to course content. Students with disabilities are encouraged to connect with Student Accessibility Services (SAS) as early as possible to establish accommodations. If you anticipate or experience academic barriers based on a disability (including mental health, chronic medical conditions, or injuries), please let me know immediately. Contact information for our SAS offices is as follows: *Location:* University Library, Suite 100; *Email*: [sas@kent.edu](mailto:sas@kent.edu); *Phone:* 330-672-3391; *Web:* [www.kent.edu/sas](https://www.kent.edu/sas) .

**REGISTRATION REQUIREMENT**: **The last day to add a full-term class or change sections of a class is midnight on Monday, January 22. The** last day to drop any or all courses that meet the full semester before grade of "W" is assigned **is midnight on Monday, January 29.**  University policy requires all students to be officially registered in each class they are attending. Students who are not officially registered for a course by published deadlines should not be attending classes and will not receive credit or a grade for the course. Each student must confirm enrollment by checking his/her class schedule (using Student Tools in FlashFast) prior to the deadline indicated. Registration errors must be corrected prior to the deadline.

**WITHDRAWAL DEADLINE:** The official withdrawal deadline for this course is **Monday, April 1,** at midnight.

**COMMUNICATON:** Please check your university kent.edu email AND your Canvas inbox on a regular basis. You may set your notification preferences on Canvas to have those messages sent to your kent.edu email, but this **does not happen automatically**! You need to visit the notifications link on Canvas and select your preferences there.

The **ASK YOUR INSTRUCTOR link** on our online homework system, MyLabs, will be the primary form of communication for asking questions about the homework outside of class.

**CELL PHONES:** Out of courtesy to your classmates and to me, please turn your cell phones OFF during class and put them away. If you are expecting an emergency call, please set your phone to *vibrate*. If you have your cell/smart phone out during a quiz or exam, you will receive no credit for that quiz or exam.

**STUDENT SURVEY OF INSTRUCTION:** You will have the opportunity to evaluate this course at the end of the semester via the online Student Survey of Instruction. I have set aside class time during the last week for you to complete this survey.