

STA 1020—Spring/Summer 2024

ELEMENTARY STATISTICS

INSTRUCTOR: Brielle Komosinski
EMAIL: brielle.komosinski@wayne.edu
OFFICE: 1244 Faculty/Administration Building (F/AB)
OFFICE HOURS: Wednesdays 12:15-1:15pm in 1244 F/AB
Or by appointment over Zoom
COURSE FORMAT: Traditional – Face-to-face
COURSE COORDINATOR: Mr. Richard Pineau (ao8242@wayne.edu, 1249 F/AB)
SECTION 002 CRN: 31306 Mon & Wed 10:30am – 12:00pm
Room 201 Manoogian Hall

ADDITIONAL CLASS MEETING TIMES: Friday, June 21

WE WILL NOT MEET THE FOLLOWING DAYS:

- Monday, May 27
- Wednesday, June 19
- Friday, May 31

In accordance with the WSU Spring/Summer calendar, due to holidays, some Fridays have been designated to count as "Mondays" or "Wednesdays". We will meet Friday, June 21 after we are off Wednesday, June 19. However, we will NOT meet Friday, May 31 after we are off Monday, May 27.

COMMUNICATION:

Email is my preferred method of communication. I do my best to respond within 24 hours. Please check your email and Canvas regularly as I will post announcements there frequently.

LEARNING OUTCOMES:

After taking this course, you should be able to perform the following tasks:

- 1) Conduct procedural computations of relevance in statistics, beyond the level of beginning algebra, including standard deviations, correlations, regression coefficients, & elementary probability.
- 2) Collect real-world data, display and summarize the data, apply statistical tools to draw conclusions, and interpret the results in real-world terms.
- 3) Use inferential statistics, including confidence intervals, tests of significance, & the chi-square test.
- 4) Recognize applications of statistics in their lives and appreciate the role and value of statistical analysis in real-world issues.
- 5) Apply statistical skills in their specialized fields of study.

STUDENT EXPECTATIONS:

- Submit the Student Survey on Canvas within the first week of class.
- Submit weekly online homework assignments.
- Take three exams and a comprehensive final exam.
- Attend each class session for the entire 90 minutes AND be an active participant in class discussions, worksheets, and other activities.
- Communicate with your instructor if you are having any trouble, concerns, challenges, etc.
- Enjoy statistics!!

SPECIAL NOTE: If you become sick during the semester, please email me as soon as you can and let me know of your situation. We will then work together to put a plan into place to help make-up any work or missed exam(s). Documentation may be requested.

CANVAS:

This is the web platform we will use for all online storage of class materials. You may get to this site through the Academics or by going directly to the [Canvas site](#). I would strongly encourage you to download the Canvas app for your phone and enable notifications from Canvas. I generally send out any information related to the course (i.e., reminders, announcements, messages, etc.) through Canvas messenger and post them as announcements on Canvas (so you can reference them later).

SOCIAL MEDIA SITES:

There have been cases at the University where students post exam material or assignment solutions to social media sites like WhatsApp. Since I am unable to determine who is benefitting from this, I reserve the right to hold ALL students on that group accountable. Exceptions may be made to students who report the misconduct. If you see a student cheating, report it. It is not fair to honest students to allow cheating to occur.

I am okay with the use of WhatsApp in the course. I would prefer something else, but I also want you to be able to interact with your classmates in a way you find most comfortable. Just be cognizant that inappropriate behavior on that platform can result in significant consequences out in the real world.

ARTIFICIAL INTELLIGENCE (AI) POLICY:

I am here to help you to be successful in my class and am happy to meet with you to discuss any course assignments, study strategies, and other academic matters. I want you to be able to think critically, be analytical, and be creative in your work in my class. Since the goal is for you to develop your critical thinking skills, ideas, and critical perspectives on the class materials, the use of any artificial intelligence (AI) content creation tool/system (e.g., Jasper, ChatGPT, Bard, etc.) is not permitted. Using AI in any shape or form will constitute a violation of the Student Code of Conduct and may subject you to charges of academic misconduct. If you have difficulty with an assignment, contact me, attend office hours, and/or seek support out from the Mathematics Resource Center (MRC) or the Academic Success Center.

TECHNOLOGY REQUIREMENTS:

Because this course contains online components, such as access to Canvas and homework, it will require reliable hardware and software including the following:

- A desktop or laptop computer with a reliable internet connection.
- A scanner in order to upload written exam solutions. Most smartphones can serve as scanners. The app called *Adobe Scan* is free and may serve this purpose pretty well.
- Software: a web browser (e.g., Firefox, Chrome, Safari), MS Office (free to students), the Canvas & Zoom apps, Adobe Reader.
- You may also contact the Dean of Students Office if you need help with obtaining a mobile hotspot, calculator or need hardware. They may be able to provide some support. Email: doso@wayne.edu or by phone: 313-577-1010.
- Students who are on campus can [access equipment through the University Libraries](#).
- For our office hours sessions held through Zoom, if you are not comfortable being on camera, that is okay.

CALCULATORS:

Hand calculators (that can take a square root and raises a number to a power) will be needed for homework and exam calculations. Specialty calculators such as those with full keyboards, statistical or mathematical packages, such as Computer Algebra Systems, etc. will be prohibited (e.g., TI-NSPIRE, etc.). The TI-83/84 Plus and below are fine, including any scientific calculator. Any student who is found to be using a prohibited calculator may find themselves in violation of academic integrity and subject to the Student Code of Conduct. Furthermore, the instructor reserves the right to clear the memory of your calculator prior to or during any exam, including the final exam. If you have any questions, please contact your instructor right away.

ATTENDANCE/PARTICIPATION:

Attendance and participation will be required weekly and will account for 5% of your overall grade. It is your responsibility to sign the attendance sheet during each class meeting — this is how I record and keep track of your attendance. Note that this grade includes class participation: you must be an active participant. This means taking notes and following the lectures, asking/answering questions or being engaged in some way. This especially means to participate in group work when working on activities in class.

I drop your lowest 4 attendance/participation scores. This means you may miss two weeks (or four class sessions) without any penalty to your grade.

TEXT – FIRST DAY ACCESS PROGRAM:

This course is participating this program and will make your required course materials directly available to you on or before the first day of class and usually at a discounted price. A direct charge for the course material is placed against your student account and is visible on your tuition bill. Participation in the First Day program is optional; however, if you think you would like to opt-out, please partner with me first. Opting-out will result in a refund placed against your WSU student account, which will be disbursed in accordance with the Office of the BURSAR, Student Accounts Receivables Policies. For information regarding the First Day Inclusive Access course material pilot including price discounts, please visit the [Student Services page](#) or the Barnes & Noble College First Day Inclusive Access [FAQ page](#).

Things to consider before opting out:

- The material through this program is priced at market value or lower. Market value is defined as the price you would pay if you purchased the exact same material and format directly from the publisher.
- The opt-out window for your course is 14 days from the first day of the spring/summer semester, ending on 5/20/2024.
- You may opt-out or back in as many times as you want through 5/20/2024.
- Regardless of your opt-out status, your access to the content will remain through 5/20/2024
- If your final status is opt-out on 5/21/2024, you will no longer have access to the course material eText and courseware.
- If you opt-out, you will need to purchase the required course material independently either through the campus bookstore, publisher website, or your favorite textbook provider.

You will need to ensure that you have purchased the courseware access for this class and activated the purchased courseware through the link within Canvas no later than 5/18/2024, or you risk losing the homework, quiz work, and tests you have already completed within the First Day course material you used before you opted out. If you are repeating the course from any term later than fall 2020, you will need to re-enroll into First Day by Opting-in.

To opt-out of the program, simply click on the “Course Materials” link on the left side menu in Canvas, and then select “opt-out”, answer the questions and you are good to go!

To opt-in, find the Hawkes Online HW Link in our Canvas course, and then click on the “Hawkes Single Sign-on Link.

Textbook Information:

Beginning Statistics 3rd edition by Warren, Denley, & Atchley. This is an eBook and the online homework system comes with it.

LECTURES & CLASS SESSIONS:

We meet for two 90-minute class sessions a week: Mondays and Wednesdays 10:30am - 12:00pm in 201 Manoogian Hall.

Monday will be a traditional lecture day. The first part of Wednesday’s class will be lecture followed by in-class group work on that week’s worksheet. Due to the short duration of the semester, I may assign some lecture videos outside of class. If this is the case, you are expected to watch these, and it is possible that I could give a short quiz on the material the following class period and count it as a worksheet grade.

If you must miss lecture for whatever reason, please notify me ahead of time if possible via email. I will direct you to watch the lecture videos that the course coordinator has put together to help keep you caught up on material. These lecture videos may also be used to help supplement material gone over in class. Using this link, [You may view the playlist directly.](#)

ONLINE HOMEWORK:

Access to the online HW, will be handled through Canvas & the First Day Access Program.

Online homework will be assigned from each section as it is covered each week. Online HW will be due each Thursday by 11:59 PM (unless it is a week where we meet Friday or an exam week, then it will be Sunday by 11:59 PM). Please see the schedule listed below for due dates. **For each day that online HW is turned in late, 25% will be deducted from the score.**

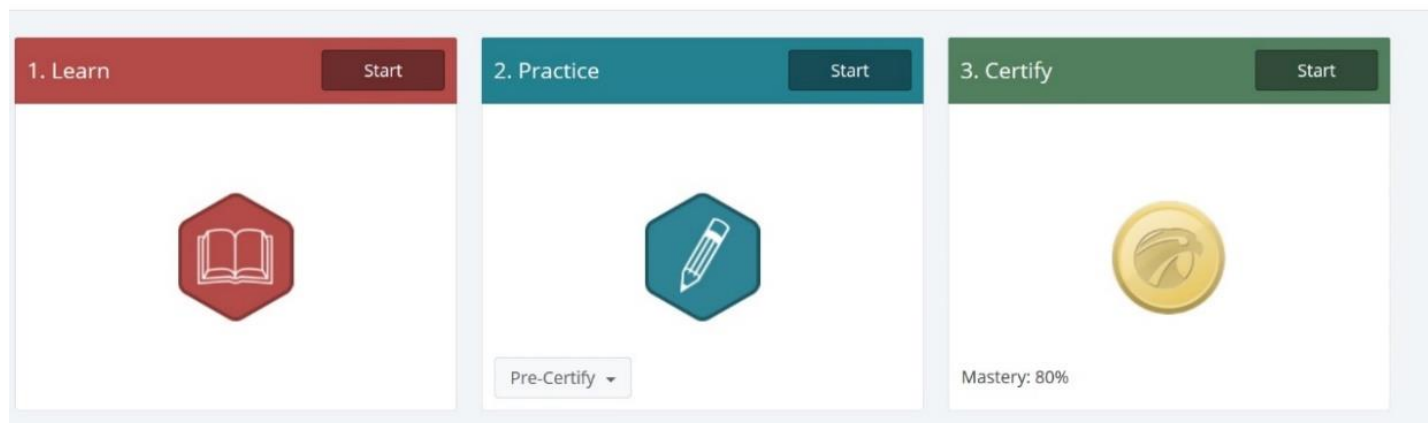
Statistics HW:

There are three parts to the Statistics HW:

LEARN (OPTIONAL) allows you to review some excerpts from the textbook.

PRACTICE (OPTIONAL) contains problems that are similar to the actual homework problems. The difference is that in the Practice section, you are able to skip around. Also, if you attempt a problem in the Practice section and get it wrong, you will be able to get feedback and attempt similar problems.

CERTIFY is what counts for your grade. You cannot skip problems, and you do not get extra feedback. If you score below the mastery threshold, the system takes you out of Certify and into Practice. There you can review the problems which you missed, and once you have got several correct, you can return to Certify to make another attempt. You must get above the mastery threshold (usually around 80%) to get credit.



MATHEMATICS REVIEW (MR):

To help support all students with basic mathematics concepts, this course includes a series of Mathematics Review assignments. These cover topics like order of operations, graphing lines, fractions, decimals, and percents, among others. These assignments are required for all students, regardless of background in math. There is a review video that is posted in the directions of the assignments for anyone who needs a refresher on the topic, before beginning the assignment. The video is bookmarked and captioned.

The Mathematics Review Assignments, their topics and due dates are listed below:

	Topic	# of Quest.	Due date
MR 1	Place value, reading, writing & rounding numbers	12	Friday, May 10 th by 11:59 pm
MR 2	Fractions, decimals, proportions & ratios	20	Friday, May 10 th by 11:59 pm
MR 3	Operations	22	Friday, May 17 th by 11:59 pm
MR 4	Solving equations & formulas	5	Friday, May 17 th by 11:59 pm
MR 5	Set theory – intersection & union of sets	5	Friday, May 24 th by 11:59 pm
MR 6	Translating English to mathematics	11	Friday, June 7 th by 11:59 pm
MR 7	The xy-coordinate system & equations of lines	12	Friday, July 12 th by 11:59 pm

The 7 Mathematics Review assignments are due at 11:59 pm on their designated day and are accessed from Canvas. You will be allowed 3 attempts to complete the assignments, with your highest grade counting for each. These assignments are assigned to cover the needed mathematics before you must apply it in a statistics context. These assignments are available now so you may get ahead.

HAND-IN HOMEWORK/ CLASS ACTIVITIES:

Every week there will be a worksheet corresponding to the current content. These will started in-class as group activities and whatever you don't finish will be uploaded to Canvas due Friday night 11:59 pm (unless it is an exam week, then it will by Sunday 11:59 pm). These sessions are meant for you to apply the lecture content and be engaged with the material while working with others in a group setting.

Remember that participation makes up part of your overall grade. Your engagement on these in-class activities and collaboration in group work contributes to this score.

EXAMS:

Exams are tentatively scheduled as indicated below. The exams will be taken out of class over Canvas. Once you start the assessment on Canvas you will have the given time limit to work on the assignment. You will write all your work for the exam and then upload to Canvas.

	Topics from sections we covered from	Date w/ 24-hour window	Time limit once you begin
Exam #1	Ch 1, 2, 3	Friday, May 31 st	90 minutes
Exam #2	Ch 4, 5, 6, 7	Friday, June 28 th	90 minutes
Exam #3	Ch 8, 10, 12	Friday, July 26 th	90 minutes

Make-up exams will only be given in the most extreme of cases, considering you have a 24-hour window for which to complete the exam and plenty of notice of when the exams are scheduled. Documentation may be requested.

FINAL EXAM:

The final exam is a comprehensive group final exam, which means all STA 1020 sections take the same exam. It will take place on **Monday, July 29th** with a 24-hour window (available at 12 am and due at 11:59 pm). You will have access to the exam on Canvas for those 24 hours, but once you start the exam, it will be timed for 2 hours. You will also be expected to upload your work to Canvas. The final exam is cumulative, which means it covers the entire course.

GRADES:

Attendance/Participation	5%
Tests (3 total)	30%
Online Homework	20%
Math Review	5%
Hand-In Homework	20%
Final Exam	20%

NOTE: Four lowest online HW scores are dropped automatically.

NOTE: One lowest Hand-In HW score is dropped automatically.

NOTE: Four lowest Attendance/Participation scores are dropped automatically.

NOTE: This semester, we will rely on Canvas for our grade computations. For a given grade category, like online HW, Canvas takes the points earned, divided by points possible, then multiplies by the weight in the table. It does not use averages.

GRADING SCALE:

[93,100] A,	[90,93) A-,	[87,90) B+,	[83,87) B,	[80,83) B-	[77,80) C+
[73,77) C,	[70,73) C-,	[67,70) D+,	[63,67) D,	[60-63) D-,	[0,60) F

Any student who stops attending without filing an official withdrawal form will receive the grade of F.

The grade of WP will be awarded if a withdrawal form is filed when the student is passing.

The grade of WF will be awarded if a withdrawal form is filed when the student is failing.

The last date to withdraw from the course is: Thursday, July 11, 2024.

FINAL GRADES:

All final grades will be calculated according to the weighted percentages indicated on this syllabus. The instructor reserves the right and possesses the discretion to adjust grades taking into consideration a range of factors which includes but is not limited to attendance, participation, improvement over time, quality of work, professionalism, etc.

IMPORTANT UNIVERSITY POLICIES & INFORMATION:

Please see the “University Policies” link in the lefthand menu of our Canvas site. Policies & Information include Class Recordings, Religious Holidays, Land Acknowledgement, Student Disability Services (SDS), Counseling & Psychological Services (CAPS), Sexual Misconduct & Title IX (reporting guidelines too), Food Pantry & Basic Needs, Academic Dishonesty, Course Drops & Withdrawals, Student Services (e.g., Writing Center, Academic Success Center & Libraries).

Free Mathematics tutoring offered by the Department of Mathematics’ Mathematics Resource Center (MRC). Click this [link](#) for hours and tutoring information.

IMPORTANT DATES:

- Last day to drop without owing any money – Thursday, 5/16/2024.
- Memorial Day – No classes, Monday, 5/27/2024; make-up day Friday, May 31st.
- Juneteenth – No classes, Wednesday, 6/19/2024; make-up day Friday, June 21st.
- Last Day to Withdraw – Thursday, 7/11/2024.
- **FINAL EXAM—Monday, July 29th, 24-hour window, with 2-hour time limit.**

STA 1020 – Spring/Summer 2024 - Weekly Schedule

Week 1: May 6-10

- Review Syllabus/Canvas/Hawkes — Watch posted video
- Lecture Chapter 1 (Sections 1.1-1.4)
- Complete Online HW (1.1-1.4) due on Thursday, May 9th by 11:59 PM.
- Complete Math Review 1 & 2 due by Friday, May 10th by 11:59 pm.
- Complete Hand-In HW 1: Student Survey by Sunday, May 12th by 11:59 PM.

Week 2: May 13-18

- Lecture Chapter 2 (Sections 2.1-2.3)
- Complete Online HW (2.1-2.3) due on Thursday, May 16th by 11:59 PM.
- Complete Math Review 3 & 4 due by Friday, May 17th by 11:59 pm.
- Complete Hand-In HW 2 by Friday, May 17th by 11:59 PM

Week 3: May 20-24

- Lecture Chapter 3 (Sections 3.1-3.3)
- Complete Online HW (3.1-3.3) due on Thursday, May 23rd by 11:59 PM.
- Complete Math Review 5 due by Friday, May 24th by 11:59 pm.
- Complete Hand-In HW 3 by Friday, May 24th by 11:59 PM

Week 4: May 27–31

- NO class Monday, May 27
- NO class Friday, May 31
- Watch lecture video for Section 4.1
- Lecture Chapter 4 (Section 4.2)
- Complete Online HW (4.1-4.2) due on Sunday, June 2nd by 11:59 PM.
- **Exam #1 – Chapters 1, 2, 3 – available at 12 am and due at 11:59 pm, Friday, May 31st with 90-minute time limit.**

Week 5: June 3-7

- Lecture Chapter 4, 5 (Finish Chapter 4, Section 5.1)
- Complete Online HW (4.3-4.4, 5.1) due on Thursday, June 6th by 11:59 PM
- Complete Math Review 6 due by Friday, June 7th by 11:59 pm.
- Complete Hand-In HW 4 by Friday, June 7th by 11:59 PM

Week 6: June 10-14

- Lecture Chapter 6 (Sections 6.1-6.4)
- Complete Online HW (6.1-6.4) due on Thursday, June 13th by 11:59 PM.
- Complete Hand-In HW 5 by Friday, June 14th by 11:59 PM

Week 7: June 17-21

- NO class Wednesday, June 19th
- Class on Friday, June 21st
- Lecture Chapter 7 (Sections 7.1-7.3)
- Complete Online HW (7.1-7.3) due on Sunday, June 23rd by 11:59 PM.
- Complete Hand-In HW 6 by Sunday, June 23rd by 11:59 PM

Week 8: June 24-28

- Lecture Chapter 8 (Sections 8.1 & 8.4)
- Complete Online HW (8.1 & 8.4) due on Sunday, June 30th by 11:59 PM.
- **Exam #2 – Chapters 4, 5, 6, & 7 – available at 12 am and due at 11:59 pm, Friday, June 28th with 90-minute time limit.**

Week 9: July 1-5

- Lecture Chapter 10 (Sections 10.1-10.2)
- Complete Online HW (10.1-10.2) due on Thursday, July 4th by 11:59 PM.
- Complete Hand-In HW 7 by Friday, July 5th by 11:59 PM

Week 10: July 8-12

- Lecture Chapter 10 (Sections 10.4 & 10.7)
- Complete Online HW (10.4 & 10.7) due on Thursday, July 11th by 11:59 PM.
- Complete Math Review 7 due by Friday, July 12th by 11:59 pm.
- Complete Hand-In HW 8 by Friday, July 12th by 11:59 PM

Week 11: July 15-19

- Lecture Chapter 12 (Sections 12.1-12.2)
- Complete Online HW (12.1-12.2) due on Thursday, July 18th by 11:59 PM.
- Complete Hand-In HW 9 by Friday, July 19th by 11:59 PM
- Complete Student Evaluation of Teaching (SET) found on Canvas.

Week 12: July 22-26

- Review for Final Exam
- Complete Hand-In HW 10: End of Term Survey by Sunday, July 28th by 11:59 PM.
- **Exam #3 – Chapters 8, 10 & 12 – available at 12 am and due at 11:59 pm, Friday, July 26th with 90-minute time limit.**

Week 13: July 29

- **STA 1020 Final Exam – Monday, July 29th 24-hour window, 2-hour time limit**