

# FALL 2022 MATH 1680.220 Elementary Probability and Statistics

## Instructor Contact

**Name:** Marc Grether

**Pronouns:** He/Him

**Office Location:** GAB 416

**Tutoring/Office Hours:** MWF: 11:15-11:45, MW: 1-2, Tuesday 10-noon. I am also often available for appointments. Email me to schedule times.

**Email:** [grether@unt.edu](mailto:grether@unt.edu) (note: there is no “my” in this email address).

**Course meeting location and time:** MWF 10 am-10:50 am in ENV 110.

**Lab meeting locations and times (You must attend your scheduled lab time):**

Section 221 meets in GAB 511 with Tobiloba Adanma Adenekan on Wed. from 2:00 pm to 2:50 pm

Section 222 meets in GAB 511 with Tobiloba Adanma Adenekan on Wed. from 3:00 pm to 3:50 pm

Section 223 meets in GAB 511 with Tobiloba Adanma Adenekan on Wed. from 4:00 pm to 4:50 pm

**Communication Expectations:** I typically respond in one (1) business day, during business hours. A message received after business hours is considered received the next business day. The best way to reach me is via email. I will work hard to respond as quickly as possible to emails, but it may occasionally take me up to a business day to respond. Though I might reply to an email late at night or on the weekend, you should not expect quick responses outside of the hours of 8am -5pm.

## Course Description

Introductory course to serve students of any field who want to apply statistical inference. Descriptive statistics, elementary probability, estimation, hypothesis testing and small samples.

## Course Structure

This is a 15-week, face-to-face course that will cover most of the material in Chapters 1-10. There will be three exams covering approximately three chapters each, plus a comprehensive final exam. There is also a required lab that meets for one hour per week.

## Course Prerequisites or Other Restrictions

TSI Complete. Students should be familiar with high-school algebra, fractions, decimals, and percentages.

## Materials

- **Knewton Alta - 1 Term Access ELECTRONIC PRODUCT by Knewton.** Instead of a traditional textbook, the course material is contained in Knewton Alta assignments. Students must create a Knewton account in time to complete the first homework assignment and finalize their purchase before the end of the 14-day courtesy access.
- Lecture notes for the semester are available on Canvas. *Print the notes before class so that you can fill them in during lecture.*

## Course Technology & Skills

### Minimum Technology Requirements

- Scientific or graphing calculator
- Computer
- Reliable internet access
- Speakers
- Microphone
- [Microsoft Office 365](#)
  - <https://it.unt.edu/installoffice365>
- [Canvas Technical Requirements](#)
  - <https://clear.unt.edu/supported-technologies/canvas/requirements>

### Computer Skills & Digital Literacy

Students should have the following technical skills:

- Using the basic functions of a scientific or graphing calculator
- Using a computer to access the Internet
- Using Canvas
- Using email with attachments
- Downloading and installing software
- Familiarity with Microsoft Excel will be helpful, but not required

## Course Requirements

Assignment	Percentage
Homework	30%
Lab Projects (1% each)	13%
Sample Exams (3% each)	9%
Exams (12% each)	36%
Final Exam	15%
<b>Total</b>	<b>103%</b>

## Grading

- A = 90 – 103%
- B = 80 – 89%
- C = 70 – 79%
- D = 60 – 69%
- F = 0 – 59%

## Policies/information directly affecting grades/grading

### Homework:

The online homework is worth 30% of your overall course grade. Each assignment is equally weighted. Most homework will use an online software program called Knewton, though some will be directly in Canvas.

**What is Knewton?** Knewton is a mastery-based adaptive software and is designed to judge your ability to complete your assignments. You will be able to proceed through Knewton much more quickly if you study and review your notes before starting the assignments. For best results, read through "Getting Started with Knewton" located in Canvas before your first assignment.

**Why do Homework?** A purpose of homework is to provide you with sufficient opportunities to learn and practice the new content you are learning. Knewton is adaptive and mastery based, which means that the software will provide each student with the sufficient number of questions to judge whether each topics learning objectives have been mastered. This means a student who has prepared well before the assignment may have very short assignments, while a less well prepared student may take many more questions on each assignment. Again, the more you prepare before starting to attempt the exercises, the less work you will have. For more tips on how to get the most out of the homework assignments, read through "Getting Started with Knewton"

### Get the Most out of Homework

- You should have a dedicated notebook for your math homework. Carefully write out your work, especially noting the questions with which you struggled. This should form a substantial part of your review material prior to the exams.
- Homework is one piece of your learning process in this course, but successful completion of the homework assignments is not sufficient preparation for exams. You must be able to work the exercises on your own, without any aids on exams.

### Where is Knewton?

You access your Knewton powered homework in one of two ways through Canvas, they are:

1. At the Syllabus portal. Every assignment for your course is accessible through the Syllabus portal. This portal is very helpful because it lists all assignments in due date order; or
2. At the content module. Select the Modules tab along the left-hand navigation of Canvas. From the Modules select Module 1. The Knewton assignments have a paper and pencil icon to their left.

### When are Knewton Homework Assignments due?

Assignment due dates are listed on the calendar and on the syllabus link in Canvas. Knewton assignments are always due at 11:59 PM, usually on Sunday – but you don't have to wait until

Sunday to do them. To successfully complete the assignments, you must carefully manage your time. I recommend that you plan to complete them well ahead of the due date. Late homework will not be accepted. At the end of the term, two (2) lowest grades will be dropped from the calculation of the homework average. In Canvas, the two dropped grades will not be correctly calculated until the very end of the semester.

## Midterm Exams

Three midterm exams are planned for this semester. Students are required to take exams in the Sage Hall Computer-Based Testing Center (SAGE 331). Keep a record of all your scores. Be sure to review your exam upon receiving it. Check your written exam grade with the grade posted online to ensure that they are the same. The midterm exams are worth 12% each. Exam dates are listed on the attached calendar. The final exam is comprehensive.

## Final Exam:

The final exam is on **Saturday, December 10<sup>th</sup> from 8am-10am**. The final exam is mandatory, comprehensive and is 15% of the course grade.

## Lab Projects:

Please review the lab syllabus available in Canvas for information about lab.

## Course Policies

### Attendance

Students are expected to attend class regularly. If you miss class, you will be responsible for obtaining a copy of the notes (and any other information discussed during class) from a classmate. Absences will not directly impact your grade, but students who frequently miss class often see their grades suffer as a result. **Students are required to take exams in the Sage Hall Computer-Based Testing Center (SAGE 331).**

If you expect to miss one week or more of class due to circumstances beyond your control, please notify me and your lab instructor in advance so that we can help you attain the course learning objectives.

### Recordings

This is a face-to-face class, not an online class. Nevertheless, there is a very small possibility I may record some of my lectures via Zoom for students who are unable to attend class. I reserve the right to restrict access to such recordings to students who have a valid and documented reason for missing class. You may provide such documentation to the [Dean of Students](#) office, who will then contact me to verify your absence.

### Homework Policy

Student will receive half credit for homework assignments completed up to 7 days after the due date. I will also drop the **two** lowest homework scores before computing your average at the end of the semester.

### Exam Policy

Students may use a scientific/graphing calculator, the online graphing calculator Desmos, and/or Microsoft Excel during exams. I will also provide a formula sheet. No other notes or assistance are permitted.

A student who misses an exam for valid and documented reasons should make arrangements with me to make up the exam within 10 days after the absence.

### Classroom Etiquette:

Appropriate behavior is expected of all students taking this course. Arrive to class promptly and do not leave until the scheduled ending time of the class. If you must arrive late or leave early, please do so as discreetly as possible and take a seat near the door. Turn off all non-medical electronic devices such as pagers, cell phones, laptops, etc. Take off your headphones. Do not read newspaper or work on unrelated assignments during class. I reserve the right to ask disruptive students (texters, those using a computer for non-class related work, etc.) to leave class. You will be considered absent if you are asked to leave. Again, it is considered a serious violation of your responsibilities as a student to be on a computer or your mobile device during class. It distracts you, lowers your performance in class and does the same for those around you. Please read the New Yorker article I've posted on Canvas for more information about this. See also #8 on the [10 academic rights that is linked here](#).

### Syllabus Change Policy

Any changes to assignment due dates or course policies will be announced in class and/or posted on Canvas.

## Welcome to UNT!

As members of the UNT community, we have all made a commitment to be part of an institution that respects and values the identities of the students and employees with whom we interact. UNT does not tolerate identity-based discrimination, harassment, and retaliation. UNT's full Non-Discrimination Policy can be found in the UNT Policies section of the syllabus.

## Rules of Engagement

Rules of engagement refer to the way students are expected to interact with each other and with their instructors. Here are some general guidelines:

- While the freedom to express yourself is a fundamental human right, any communication that utilizes cruel and derogatory language on the basis of race, color, national origin, religion, sex, sexual orientation, gender identity, gender expression, age, disability, genetic information, veteran status, or any other characteristic protected under applicable federal or state law will not be tolerated.
- Treat your instructor and classmates with respect in any communication online or face-to-face, even when their opinion differs from your own.
- Ask for and use the correct name and pronouns for your instructor and classmates.
- Speak from personal experiences. Use "I" statements to share thoughts and feelings. Try not to speak on behalf of groups or other individual's experiences.
- Use your critical thinking skills to challenge other people's ideas, instead of attacking individuals.
- Avoid using all caps while communicating digitally. This may be interpreted as "YELLING!"
- Be cautious when using humor or sarcasm in emails or discussion posts as tone can be difficult to interpret digitally.
- Avoid using "text-talk" unless explicitly permitted by your instructor.
- Proofread and fact-check your sources.
- Keep in mind that online posts can be permanent, so think first before you type.

See these [Engagement Guidelines](https://clear.unt.edu/online-communication-tips) (https://clear.unt.edu/online-communication-tips) for more information.

## Online Course System

The University is committed to providing a reliable online course system to all users. However, part of working in the online environment involves dealing with the inconveniences and frustration that can arise when technology breaks down or does not perform as expected. Here at UNT we have a Student Help Desk that you can contact for help with Canvas or other technology issues.

**UIT Help Desk:** [UIT Student Help Desk site](https://www.unt.edu/helpdesk) (https://www.unt.edu/helpdesk)

**Email:** [helpdesk@unt.edu](mailto:helpdesk@unt.edu)

**Phone:** 940-565-2324

**In Person:** Sage Hall, Room 130

**Walk-In Availability:** 8am-9pm

**Telephone Availability:**

- Sunday: noon-midnight
- Monday-Thursday: 8am-midnight
- Friday: 8am-8pm
- Saturday: 9am-5pm

**Laptop Checkout:** 8am-7pm

For additional support, visit [Canvas Technical Help](https://community.canvaslms.com/docs/DOC-10554-4212710328) (<https://community.canvaslms.com/docs/DOC-10554-4212710328>)

## UNT Policies

### Academic Integrity Policy

According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, plagiarism, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University.

### ADA Policy

UNT makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide a student with an accommodation letter to be delivered to faculty to begin a private discussion regarding one's specific course needs. Students may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of reasonable accommodation for every semester and must meet with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of reasonable accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information see the [ODA website](https://disability.unt.edu/) (<https://disability.unt.edu/>).

### Prohibition of Discrimination, Harassment, and Retaliation (Policy 16.004)

The University of North Texas (UNT) prohibits discrimination and harassment because of race, color, national origin, religion, sex, sexual orientation, gender identity, gender expression, age, disability, genetic information, veteran status, or any other characteristic protected under applicable federal or state law in its application and admission processes; educational programs and activities; employment policies, procedures, and processes; and university facilities. The University takes active measures to prevent such conduct and investigates and takes remedial action when appropriate.

### Emergency Notification & Procedures

UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). In the event of a university closure, please refer to Canvas for contingency plans for covering course materials.

### Retention of Student Records

Student records pertaining to this course are maintained in a secure location by the instructor of record. All records such as exams, answer sheets (with keys), and written papers submitted during the duration of the course are kept for at least one calendar year after course completion. Course work completed via the Canvas online system, including grading information and comments, is also stored in a safe electronic environment for one year. Students have the right to view their individual record; however, information about student's records will not be divulged to other individuals without proper written consent. Students are encouraged to review the Public Information Policy and the Family Educational Rights and Privacy Act (FERPA) laws and the University's policy. See UNT Policy 10.10, Records Management and Retention for additional information.

### Acceptable Student Behavior

Student behavior that interferes with an instructor's ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Dean of Students to consider whether the student's conduct violated the Code of Student Conduct. The University's expectations for student conduct apply to all instructional forums, including University and electronic classroom, labs, discussion groups, field trips, etc. Visit UNT's [Code of Student Conduct](https://deanofstudents.unt.edu/conduct) (https://deanofstudents.unt.edu/conduct) to learn more.

### Access to Information - Eagle Connect

Students' access point for business and academic services at UNT is located at: [my.unt.edu](https://my.unt.edu). All official communication from the University will be delivered to a student's Eagle Connect account. For more information, please visit the website that explains Eagle Connect and how to forward e-mail [Eagle Connect](https://it.unt.edu/eagleconnect) (https://it.unt.edu/eagleconnect).

### Student Evaluation Administration Dates

Student feedback is important and an essential part of participation in this course. The student evaluation of instruction is a requirement for all organized classes at UNT. The survey will be made available during weeks 13, 14 and 15 of the long semesters to provide students with an opportunity to evaluate how this course is taught. Students will receive an email from "UNT SPOT Course Evaluations via IASystem Notification" ([no-reply@iasystem.org](mailto:no-reply@iasystem.org)) with the survey link. Students should look for the email in their UNT email inbox. Simply click on the link and complete the survey. Once students complete the survey they will receive a confirmation email that the survey has been submitted. For additional information, please visit the [SPOT website](http://spot.unt.edu/) (http://spot.unt.edu/) or email [spot@unt.edu](mailto:spot@unt.edu).

### Survivor Advocacy

UNT is committed to providing a safe learning environment free of all forms of sexual misconduct. Federal laws and UNT policies prohibit discrimination on the basis of sex as well as sexual misconduct. If you or someone you know is experiencing sexual harassment, relationship violence, stalking and/or sexual assault, there are campus resources available to provide support and assistance. The Survivor Advocates can be reached at [SurvivorAdvocate@unt.edu](mailto:SurvivorAdvocate@unt.edu) or by calling the Dean of Students Office at 940-5652648.



## Important Notice for F-1 Students taking Distance Education Courses

### **Federal Regulation**

To read detailed Immigration and Customs Enforcement regulations for F-1 students taking online courses, please go to the [Electronic Code of Federal Regulations website](http://www.ecfr.gov/) (<http://www.ecfr.gov/>). The specific portion concerning distance education courses is located at Title 8 CFR 214.2 Paragraph (f)(6)(i)(G).

The paragraph reads:

(G) For F-1 students enrolled in classes for credit or classroom hours, no more than the equivalent of one class or three credits per session, term, semester, trimester, or quarter may be counted toward the full course of study requirement if the class is taken on-line or through distance education and does not require the student's physical attendance for classes, examination or other purposes integral to completion of the class. An on-line or distance education course is a course that is offered principally through the use of television, audio, or computer transmission including open broadcast, closed circuit, cable, microwave, or satellite, audio conferencing, or computer conferencing. If the F-1 student's course of study is in a language study program, no on-line or distance education classes may be considered to count toward a student's full course of study requirement.

### **University of North Texas Compliance**

To comply with immigration regulations, an F-1 visa holder within the United States may need to engage in an on-campus experiential component for this course. This component (which must be approved in advance by the instructor) can include activities such as taking an on-campus exam, participating in an on-campus lecture or lab activity, or other on-campus experience integral to the completion of this course.

If such an on-campus activity is required, it is the student's responsibility to do the following:

- (1) Submit a written request to the instructor for an on-campus experiential component within one week of the start of the course.
- (2) Ensure that the activity on campus takes place and the instructor documents it in writing with a notice sent to the International Student and Scholar Services Office. ISSS has a form available that you may use for this purpose.

Because the decision may have serious immigration consequences, if an F-1 student is unsure about his or her need to participate in an on-campus experiential component for this course, s/he should contact the UNT International Student and Scholar Services Office (telephone 940-565-2195 or email [internationaladvising@unt.edu](mailto:internationaladvising@unt.edu)) to get clarification before the one-week deadline.

### **Student Verification**

UNT takes measures to protect the integrity of educational credentials awarded to students enrolled in distance education courses by verifying student identity, protecting student privacy, and notifying students of any special meeting times/locations or additional charges associated with student identity verification in distance education courses.

See [UNT Policy 07-002 Student Identity Verification, Privacy, and Notification and Distance Education Courses](https://policy.unt.edu/policy/07-002) (<https://policy.unt.edu/policy/07-002>).

### Use of Student Work

A student owns the copyright for all work (e.g. software, photographs, reports, presentations, and email postings) he or she creates within a class and the University is not entitled to use any student work without the student's permission unless all of the following criteria are met:

- The work is used only once.
- The work is not used in its entirety.
- Use of the work does not affect any potential profits from the work.
- The student is not identified.
- The work is identified as student work.

If the use of the work does not meet all of the above criteria, then the University office or department using the work must obtain the student's written permission.

Download the UNT System Permission, Waiver and Release Form

### Transmission and Recording of Student Images in Electronically-Delivered Courses

1. No permission is needed from a student for his or her image or voice to be transmitted live via videoconference or streaming media, but all students should be informed when courses are to be conducted using either method of delivery.
2. In the event an instructor records student presentations, he or she must obtain permission from the student using a signed release in order to use the recording for future classes in accordance with the Use of Student-Created Work guidelines above.
3. Instructors who video-record their class lectures with the intention of re-using some or all of recordings for future class offerings must notify students on the course syllabus if students' images may appear on video. Instructors are also advised to provide accommodation for students who do not wish to appear in class recordings.

Example: This course employs lecture capture technology to record class sessions. Students may occasionally appear on video. The lecture recordings will be available to you for study purposes and may also be reused in future course offerings.

No notification is needed if only audio and slide capture is used or if the video only records the instructor's image. However, the instructor is encouraged to let students know the recordings will be available to them for study purposes.

## Class Recordings & Student Likenesses

In case synchronous (live) sessions in this course will be recorded for students enrolled in this class section to refer to throughout the semester: Class recordings are the intellectual property of the university or instructor and are reserved for use only by students in this class and only for educational purposes. Students may not post or otherwise share the recordings outside the class, or outside the Canvas Learning Management System, in any form. Failing to follow this restriction is a violation of the UNT Code of Student Conduct and could lead to disciplinary action.

## Academic Support & Student Services

### Student Support Services

#### *Mental Health*

UNT provides mental health resources to students to help ensure there are numerous outlets to turn to that wholeheartedly care for and are there for students in need, regardless of the nature of an issue or its severity. Listed below are several resources on campus that can support your academic success and mental well-being:

- [Student Health and Wellness Center](https://studentaffairs.unt.edu/student-health-and-wellness-center) (https://studentaffairs.unt.edu/student-health-and-wellness-center)
- [Counseling and Testing Services](https://studentaffairs.unt.edu/counseling-and-testing-services) (https://studentaffairs.unt.edu/counseling-and-testing-services)
- [UNT Care Team](https://studentaffairs.unt.edu/care) (https://studentaffairs.unt.edu/care)
- [UNT Psychiatric Services](https://studentaffairs.unt.edu/student-health-and-wellness-center/services/psychiatry) (https://studentaffairs.unt.edu/student-health-and-wellness-center/services/psychiatry)
- [Individual Counseling](https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling) (https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling)

#### *Chosen Names*

A chosen name is a name that a person goes by that may or may not match their legal name. If you have a chosen name that is different from your legal name and would like that to be used in class, please let the instructor know. Below is a list of resources for updating your chosen name at UNT.

- [UNT Records](#)
- [UNT ID Card](#)
- [UNT Email Address](#)
- [Legal Name](#)

*\*UNT eulDs cannot be changed at this time. The collaborating offices are working on a process to make this option accessible to UNT community members.*

#### *Pronouns*

Pronouns (she/her, they/them, he/him, etc.) are a public way for people to address you, much like your name, and can be shared with a name when making an introduction, both virtually and in-person. Just as we ask and don't assume someone's name, we should also ask and not assume someone's pronouns.

You can [add your pronouns to your Canvas account](#) so that they follow your name when posting to discussion boards, submitting assignments, etc.

Below is a list of additional resources regarding pronouns and their usage:

- [What are pronouns and why are they important?](#)
- [How do I use pronouns?](#)
- [How do I share my pronouns?](#)
- [How do I ask for another person's pronouns?](#)
- [How do I correct myself or others when the wrong pronoun is used?](#)

#### *Additional Student Support Services*

- Registrar (<https://registrar.unt.edu/registration>)
- [Financial Aid](https://financialaid.unt.edu) (<https://financialaid.unt.edu>)
- [Student Legal Services](https://studentaffairs.unt.edu/student-legal-services) (<https://studentaffairs.unt.edu/student-legal-services>)
- [Career Center](https://careercenter.unt.edu) (<https://careercenter.unt.edu>)
- [Multicultural Center](https://idea.unt.edu/multicultural-center) (<https://idea.unt.edu/multicultural-center>)
- [Counseling and Testing Services](https://studentaffairs.unt.edu/counseling-and-testing-services) (<https://studentaffairs.unt.edu/counseling-and-testing-services>)
- [Pride Alliance](https://idea.unt.edu/pridealliance) (<https://idea.unt.edu/pridealliance>)
- [UNT Food Pantry](https://studentaffairs.unt.edu/food-pantry) (<https://studentaffairs.unt.edu/food-pantry>)

#### Academic Support Services

- [Academic Resource Center](https://clear.unt.edu/canvas/student-resources) (<https://clear.unt.edu/canvas/student-resources>)
- [Academic Success Center](https://success.unt.edu/asc) (<https://success.unt.edu/asc>)
- [UNT Libraries](https://library.unt.edu) (<https://library.unt.edu>)
- [Writing Center](https://writingcenter.unt.edu) (<https://writingcenter.unt.edu>)
- [Math Lab](https://learningcenter.unt.edu/math-lab) (<https://learningcenter.unt.edu/math-lab>)

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## Course Schedule

8/29/2022 Mon Syllabus, 1.1 What is Statistics?

8/31/2022 Wed 1.2 Variables and Measures of Data, 1.3 Sampling Methods

Lab 1-Helicopter Experiment

**Student information Discussion Due**

9/2/2022 Fri 1.4 Sampling Methods, 1.5 Sampling Errors, Bias, and Misleading Statistics

9/4/2022 Sun **HW DUE: 1.1-1.5**

9/5/2022 Mon No Classes. Labor Day

9/7/2022 Wed 2.1 Frequency Tables, 2.2 Histograms

Lab 3-Organizing Qualitative Data

9/9/2022 Fri 2.4 Histograms and Frequency Tables with Excel, 2.5 Dot Plots and Stem-and-Leaf Plots

9/11/2022 Sun **HW DUE: 2.1, 2.2, 2.4, 2.5**

9/12/2022 Mon 2.6 Line and Bar Graphs, 2.7 Interpreting Graphs

9/14/2022 Wed 3.1 Measures of Central Tendency

Lab 4-Organizing Quantitative Data

9/16/2022 Fri 3.2 Which Measure of Central Tendency Should I Use?

9/18/2022 Sun **HW DUE 2.6, 2.7, 3.1, 3.2**

9/19/2022 Mon 3.3 Quartiles and Box Plots, 3.4 Standard Deviation

9/21/2022 Wed 3.4 Standard Deviation cont., 3.5 The Empirical Rule

Lab 5-Numerical Summaries

9/23/2022 Fri 3.8 Measures of Central Tendency with Excel, 3.10 Measures of Spread with Excel

9/25/2022 Sun **HW DUE 3.3, 3.4, 3.5, 3.8, 3.10**

9/26/2022 Mon Exam 1 Review

9/27/2022 Tue **Sample Test 1 DUE**

9/28/2022 Wed **Exam 1**

Lab 6-Algebra Review

9/30/2022 Fri 4.1 Scatter Plots and Correlation, 4.2 Linear Regression Equations

10/2/2022 Sun **HW DUE 4.1**

10/3/2022 Mon 4.2 Linear Regression Equations cont., 4.3 Least Squares and Outliers

10/5/2022 Wed 4.5 Coefficient of Determination

Lab 7-Correlation & Regression

10/7/2022 Fri 4.7 Linear Regression with Excel

10/9/2022 Sun **HW DUE 4.2, 4.3, 4.5, 4.7**

10/10/2022 Mon 5.1 Probability Terminology and Notation

10/12/2022 Wed 5.2 Basic Probability

Lab 8-Probability

10/14/2022 Fri 5.3 Independent and Mutually Exclusive Events

10/16/2022 Sun **HW DUE 5.1, 5.2, 5.3**

10/17/2022 Mon 5.5 Addition and Multiplication Rule

10/19/2022 Wed 5.6 Contingency Tables

Lab 9-Contingency Tables

10/21/2022 Fri 6.1 Introduction to Discrete Probability Distributions

10/23/2022 Sun **HW DUE 5.5, 5.6, 6.1**

10/24/2022 Mon 6.2 The Binomial Distribution

10/26/2022 Wed 6.6 Discrete Random Variables with Excel  
 Lab 10-Discrete Random Variable  
 10/28/2022 Fri 7.1 The Uniform Distribution  
 10/30/2022 Sun **HW DUE 6.2, 6.6**  
 10/31/2022 Mon Exam 2 Review  
 11/1/2022 Tue **Sample Test 2**  
 11/2/2022 Wed **Exam 2**  
 Lab 11-Binomial Distribution  
 11/4/2022 Fri 8.1 The Normal Distribution: Parameters  
 11/6/2022 Sun **HW DUE 7.1**  
 11/7/2022 Mon 8.2 The Normal Distribution: Probability  
 11/9/2022 Wed 8.4 The Normal Distribution with Excel  
 Lab 12-Normal Distribution  
 11/11/2022 Fri 9.3 Central Limit Theorem for Means  
 11/13/2022 Sun **HW DUE 8.1, 8.2, 8.4, 9.3**  
 11/14/2022 Mon 9.4 Central Limit Theorem for Proportions  
 11/16/2022 Wed 10.2 Confidence Interval for a Mean (Population Standard Deviation Known)  
 Lab 13-Sampling Distributions  
 11/18/2022 Fri 10.3 Confidence Interval for a Mean (Population Standard Deviation Unknown)  
 11/20/2022 Sun **HW DUE 9.4, 10.2, 10.3**  
 11/21/2022 Mon 10.4 Confidence Interval for a Population Proportion  
 11/23/2022 Wed No Class. Thanksgiving  
 11/25/2022 Fri No Class. Thanksgiving  
 11/27/2022 Sun **HW DUE 10.4**  
 11/28/2022 Mon 10.8 Confidence Intervals with Excel  
 11/29/2022 Tue **HW DUE 10.8**  
 11/30/2022 Wed Exam 3 Review  
 Lab 14-Confidence Intervals  
 12/1/2022 Thu **Sample Test 3**  
 12/2/2022 Fri **Exam 3**  
 12/5/2022 Mon Review  
 12/7/2022 Wed Review  
 12/9/2022 Fri Reading Day—No Classes  
 12/10/2022 Sat **Final Exam 8 am**