



University of North Texas  
College of Liberal Arts and Social Sciences  
Department of Psychology  
PSYC 2317  
Quantitative Methods

## Course Information

Psyc 2317.001 (CRN 5227) / Quantitative Methods  
Spring 2023  
3 Credit hours  
MW 2:00-3:20pm  
MATT 311

## Instructor Contact

*Name:* **Lisa Manriquez, PhD.** (*she/her/hers*)  
*Office Location:* Terrill Hall 359, University of North Texas  
*Office hours:* T/TH 1:30 p.m.-3:00 p.m. and by appointment  
*Email:* [Lisa.Manriquez@unt.edu](mailto:Lisa.Manriquez@unt.edu)

## TA Contact

*Name:* **Christine Jin**  
*Office Location:* Terrill Hall 215, Cube N University of North Texas  
*Office Hours:* T 12:30-1:30 p.m., (virtual: <https://us02web.zoom.us/my/christinejin>)  
W 2:00-4:00 p.m., in-person  
*Email:* [Christine.Jin@unt.edu](mailto:Christine.Jin@unt.edu)

## *Name:* **Jamie Pogue**

*Office Location:* Terrill Hall 215, Cube 17, University of North Texas  
*Office Hours:* W 12:00-3:00 p.m.  
*Email:* [Jamie.Pogue@unt.edu](mailto:Jamie.Pogue@unt.edu)

**Your TA is primarily responsible for grading and should be the first point of contact for grading, assignments and course-content issues/questions.**

## Course Description

Techniques appropriate for treatment of psychological data; frequency distributions, percentiles, measures of central tendency and variability, normal curve function, simple correlational analyses, and applications of sampling theory. Laboratory offers practice in quantitative methodology and an introduction to the computer statistical program SPSS.

## Pre-requisites

MATH 1680 or MATH 1681.

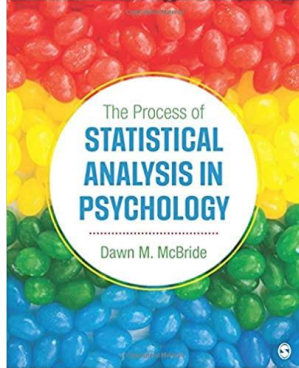
## Course Objectives

CO 1: Explain the logic and appropriate applications of statistical analyses for univariate or bivariate research designs, problems, or hypotheses  
CO 2: Calculate the statistics necessary to solve problems (manually), including descriptive statistics, statistical significance tests, effect sizes, and confidence intervals.  
CO 3: Communicate the meaning of statistical analyses in everyday language and professional formats (e.g., graphs, tables, and words).

**Required Materials**

Textbook:

McBride, D. M. (2018). *The Process of Statistical Analysis in Psychology*. Sage Publishing.

**Technical Support**

Student UIT Helpdesk:

Sage Hall 130

940-565-2324

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

**Technical Support Hours:**

Monday- Thursday: 8:00am-9:00pm (Walk-in: 8:00am-5:00pm)

Friday: 8:00am-5:00pm

Saturday-Sunday: 11:00am-3:00pm

**Technical Skill Requirements**

For this course you will need to be able to:

- Use software including MS word, PowerPoint, Adobe
- Navigate Canvas (<https://online.unt.edu/canvas-basics-unt-students>)
- download and upload files
- send and receive emails

**Communication and Inclusivity for Student Success**

Communication with myself and your TA is key to your success in this course. If any assistance/clarification is needed in the course, please don't hesitate to reach out. There are several ways that you may communicate with me throughout the semester. Our classroom is an inclusive environment where all questions regarding the material in the course are welcome. I appreciate all perspectives and we will treat everyone in the class with respect and civility. If one individual has a question regarding the material, many others are likely to have that question as well and you are encouraged to ask for clarification in class. You can also approach me before or after class for quick clarification. If greater assistance is needed, please visit me during my office hours or email for an appointment. I may also be able to assist you through email as well. It is my goal to respond to your email within 24 hours between M-F 8:00am-5:00pm. I am human and may accidentally overlook your email. If I do not respond to you within 24 hrs. please don't hesitate to resend the email.

**Course Expectations**

As the instructor in this course, I am responsible for:

- Providing course materials that will assist and enhance your achievement of the stated course goals, guidance.
- Providing timely and helpful feedback within the stated guidelines.
- Assisting in maintaining a positive learning environment for everyone.

As a student in this course, you are responsible for:

- Reading and completing all requirements of the course in a timely manner.
- Working to remain attentive and engaged in the course and interact with your fellow students.
- Assisting in maintaining a positive learning environment for everyone.

### Attendance Policy

Attendance will be taken intermittently (a minimum of 10 times) throughout the semester. Research has shown that students who attend class are more likely to be successful. You should attend every class unless you have a university excused absence such as active military service, a religious holy day, or an official university function as stated in the [Student Attendance and Authorized Absences Policy \(PDF\)](https://policy.unt.edu/sites/default/files/06.039_StudAttnandAuthAbsence.Pub2_.19.pdf) ([https://policy.unt.edu/sites/default/files/06.039\\_StudAttnandAuthAbsence.Pub2\\_.19.pdf](https://policy.unt.edu/sites/default/files/06.039_StudAttnandAuthAbsence.Pub2_.19.pdf)). If you cannot attend a class due to an emergency, please let me know. Your safety and well-being are important to me. If you miss class, it is your responsibility to acquire the material covered in class. Please note that material presented in the lectures may not always be presented in the textbook (and vice versa), but will be on the exams; attendance is essential for success in this course.

It is expected that you attend class prepared to participate in a thoughtful manner. You are also expected to behave respectfully towards your fellow classmates and to the professor. If you arrive late or must leave early, please do so in such a way as to not disrupt your classmates or me. All cellphones and other devices must be turned off or put in silent mode and kept in your pocket or bag.

### Course Requirements

All the assignments and point values are listed below. See *Canvas for the instructions and assignment details*. The assignments will be available as the course progresses (consistent with the availability of the module). The correct answers for the quizzes will be available after the due date for that particular quiz has passed.

<b>Assignment</b>	<b>Points Possible</b>
<i>Homework Assignments</i>	150
<i>Exam 1</i>	100
<i>Exam 2</i>	100
<i>Exam 3</i>	100
<i>Exam 4 (Final Exam)</i>	100
<b>Total Points Possible</b>	<b>450 points</b>

These are **some important points** for all assignments/quizzes.

- This course has 13 quizzes each worth 15 points. The 3 lowest quiz grades will be dropped, and the total score for quizzes will be out of 150.
- This course has 4 exams each worth 100 points. However, the lowest exam score will be dropped, and the total score for exams will be out of 300. For example, if a student scores 90, 90, 80, and 75 on the four exams, the 90, 90, and 80 will be included in the final score for a total of 260/300.
- No other grades will be given except as noted above. If the student is doing poorly in the course, it is the student's responsibility to drop or withdraw from the course before the appropriate deadline. If it is too late to drop or withdraw from the course, a mark of "Incomplete" will not be assigned (unless the requirements for obtaining an "I" are met as noted below); rather the student will be assigned the actual grade earned.
- Any grade disputes should be made within 7 days of the grade being posted on Canvas. The dispute must be submitted in an email addressed to the TA and myself. Beyond 7 days, grade disputes will not be permitted.

- The Instructor **may** provide extra credit assignments intermittently in the course.
- **Please check if assignments have been submitted in entirety/as expected before the assignment is due.** Students should not be emailing me after the assignment due date stating that they thought the assignment was submitted; however, there was a technical glitch and they realized later that the assignment was not successfully submitted. I will not be considering such requests.
  - If there are technical issues or in doubt whether assignments have been/will be successfully submitted, please take a screenshot of the error messages or time-stamped copies of the assignment submissions.
  - If you are travelling the day an assignment is due, please be mindful of any time differences across locations (change in time zones) and plan accordingly. I will not consider this as a reason for lack of timely assignment submission.

### Grading

The grading scale for this course is A – F. The points I will use to calculate the final grade are below.

Grade	Points
A	405 or more
B	360-404
C	315-359
D	270-314
F	269 or less

### Late Work/Make-up Policy

I understand life happens and you may occasionally miss a deadline. In this class, I allow you to submit **ONE** homework assignment after the deadline has passed. In order to do so, you need to email your TA within 24 hours of the missed deadline. Late work will be accepted with a 10% deduction each day work is late (including weekends). If you have an emergency (hospitalization, major accident, or death of a family member) that can be supported with proper documentation, please contact me as soon as possible to make up missed work without penalty.

### Incomplete Grades

"I" is a non-punitive grade given only during the last one-fourth of a term/semester and only if a student (1) is passing the course, (2) has completed 60% of the coursework, and (3) has justifiable and documented reason, beyond the control of the student (such as serious illness or military service), for not completing the work on schedule. The student must arrange with the instructor to finish the course at a later date by completing specific requirements. These requirements must be listed on a Request for Grade of Incomplete form signed by the instructor, student, and department chair and must be entered on the grade roster by the instructor. See also "Removal of I" policy in the Academics section of undergraduate catalog. (*The UNT Catalog generally allows up to 1 year to remove an "I" grade.*) Grades of "I" assigned to an undergraduate course at the end of the Fall 2007 semester and later, will default to "F" unless the instructor has designated a different automatic grade.

### Withdraw

The last day to withdraw from this course is April 7<sup>th</sup>, 2023.

### Policies

**Academic Integrity:** <https://facultysuccess.unt.edu/academic-integrity>

The University of North Texas promotes the integrity of learning and embraces the core values of trust and honesty. Academic integrity is based on educational principles and procedures that protect the rights of all participants in the educational process and validate the legitimacy of degrees awarded by the University. In the investigation and resolution of allegations of student academic dishonesty,

the University's actions are intended to be corrective, educationally sound, fundamentally fair, and based on reliable evidence.

*Cheating "Cheating," in this policy, means the use of unauthorized assistance in an academic exercise, including but not limited to:*

1. use of any unauthorized assistance to take exams, tests, quizzes, or other assessments
2. use of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments
3. use, without permission, of tests, notes, or other academic materials belonging to instructors, staff members, or other students of the University
4. dual submission of a paper or project, or resubmission of a paper or project to a different class without express permission from the instructor
5. any other act designed to give a student an unfair advantage on an academic assignment.

*"Plagiarism," in this policy, means use of another's thoughts or words without proper attribution in any academic exercise, regardless of the student's intent, including but not limited to:*

1. the knowing or negligent use by paraphrase or direct quotation of the published or unpublished work of another person without full and clear acknowledgement or citation
2. the knowing or negligent unacknowledged use of materials prepared by another person or by an agency engaged in selling term papers or other academic materials.

**Code of Student Conduct:** <https://deanofstudents.unt.edu/conduct>

Please be aware that UNT policy (See <http://policy.unt.edu/policy/12-005>) based on Title 9 of the Education Amendments of 1972 (20 U.S.C. § 1681(a); See <https://www.aclu.org/know-your-rights/title-ix-and-sexual-assault>) entails a duty for institutional employees to report to the university any knowledge regarding recent events of sexual misconduct involving students or employees. Additionally, if you report any information indicating that you have been a victim of sexual harassment, sexual assault, dating violence, or stalking being a student or employee at UNT, I am required to report this information to concerned authorities as mandated by Texas State Law.

### **ADA Policy**

The University of North Texas 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 you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You 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 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 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 Office of Disability Accommodation website at <http://www.unt.edu/oda>. You may also contact them by phone at 940.565.4323.

### **Additional information**

1. UNT schedule to register and withdraw/drop a course: <https://registrar.unt.edu/registration/spring-registration-guide>
2. Information on student policies and resources: <https://deanofstudents.unt.edu/>
3. Learning Center: <https://learningcenter.unt.edu/>
4. Undergraduate research Fellowship: <https://honors.unt.edu/research/unt-undergraduate-research-fellowship>

## Schedule

Week	Date	Topic	Reading
1	1/18	Why Statistics?	Chapter 1
2	1/23, 1/25	Data and Distributions	Chapter 2/6
3	1/30, 2/1	Probability and Sampling	Chapter 3
4	2/6, 2/8	Central Tendency and Variability	Chapter 4/5
5	2/13, 2/15	<b>Exam 1 review and Exam 1</b>	<b>Chapters 1-6</b>
6	2/20, 2/22	The Normal Distribution and Z scores	Chapter 7
7	2/27	Hypothesis Testing Logic	Chapter 8
7/8	3/1, 3/6	t-distribution/ one-sample t-test	Chapter 9
8	3/8	Related/Paired Samples t-Test	Chapter 10
	3/13-3/17	NO CLASSES – SPRING BREAK	
9	3/20, 3/22	Independent Samples – t-test	Chapter 11
10	3/27, 3/29	<b>Exam 2 review and Exam 2</b>	<b>Chapters 7-11</b>
11	4/3, 4/5	One-Way Analysis of Variance	Chapter 12
12/13	4/10, 4/12, 4/17	Two-Way Analysis of Variance	Chapter 13
13/14	4/19, 4/24	One-way within subjects ANOVA	Chapter 14
14	4/26	Correlation	Chapter 15
15	5/1, 5/3	<b>Exam 3 Review and Exam 3</b>	<b>Chapters 12-15</b>
16	<b>5/8</b>	<b>Final Exam 1:30pm-3:30pm</b>	