PSYC 3325/5310: Data Science in Psychology

Spring 2026

As the instructor for this course, I reserve the right to adjust this syllabus and schedule in any way that serves the educational needs of the students enrolled in this course.
- Dr. Angela Liegey Dougall

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Instructor Information

Name

Dr. Angela Liegey Dougall, Associate Professor

Office Location

Life Science 523 (Psychology Department Office Life Science 313)

Office Phone

817-272-2281 (Psychology Department Office)

Email

adougall@uta.edu

Faculty Profile

Dr. Liegey Dougall (https:/www.uta.edu/academics/faculty/profile?user=adougall)

Office Hours

Office hours are by appointment. Please either approach me during class time or send an email to me via Canvas to schedule a meeting date and time. Then, I will invite you to a day and time. Because my office is being renovated, these meetings will be virtual (Microsoft Teams).

Communication Guidelines

My preferred communication method is email. Please indicate in which course you are registered.

I will respond to emails and voice messages within 1-2 business days. If you have not heard from me past that time, then please send a reminder email. My inbox fills quickly, and I do not want to lose track of your email.

Course Information

Section Information

PSYC 3325-001 & PSYC 5310-001 Data Science in Psychology 3 hours credit

Course Description

Course Title: PSYC 3325-001 & PSYC 5310-001 Data Science in Psychology

PSYC 3325-001: This course is a survey of the benefits and challenges of data science in psychological research. The course includes discussions on advances in data collection and analysis, the applications and career opportunities within various psychology disciplines, and the best practices concerning ethics, privacy, security, and responsible conduct of research. Statistical concepts and techniques will be introduced using simple computing tools, such as Excel or code from programming languages, such as Python.

Prerequisites: PSYC 3325-001: PSYC 2300 (or equivalent)

PSYC 5310-001: To live in the modern world is to leave digital data traces that provide insights into an individual's habits, choices, social networks, interests, and a range of personal identity markers (such as political views). The rapid growth of this data presents researchers with new avenues to evaluate and understand human cognition and human behavior, while simultaneously raising concerns of privacy, bias, and ethics. For researchers in psychology, "big data" also provides an additional methodological angle to complement existing research methodologies. This course surveys data science approaches to research, focusing on implications and opportunities in psychology. Topics include collecting, accessing, and analyzing data, as well as the tools and technologies commonly used in processing human-generated data. The course will also introduce construct creation where data is used to model and predict cognitive constructs and anticipate changes to those constructs. Additional emphasis will be on the skills needed by individual researchers as well as the broader implications of wearables and immersive environments (such as VR and AR) that capture psychophysiological data on the future of research in psychology.

Time and Place of Class Meetings

Tuesday & Thursday 2:00-3:20 PM
PKH 110 (Subject to change - Check UTA website for updates)

Time Zone

This course operates on Central Time. All times listed for class meeting times, exams, and assignment deadlines are in Central Time (CT).

Classroom/Lecture Recording Policy

Faculty maintain the academic right to determine whether students are permitted to record classroom and online lectures. Recordings of classroom lectures, if permitted by the instructor or pursuant to an ADA accommodation, may only be used for academic purposes related to the specific course. They may not be used for commercial purposes or shared with non-course participants except in connection with a legal proceeding.

Recording of classroom and online lectures in this course is not allowed.

Student Learning Outcomes

By the end of this course, you will be able to:

1. After reading assigned material and participating in lecture, the student will actively discuss and apply course content by asking and responding to questions during class as evidenced by class engagement, participation in expert groups, and completing in-class activities.
2. After reading a scientific article, viewing online content, or interacting with data science applications as part of the course assignments, the student will critically evaluate the information, relate the information to the course content, and generalize the findings as measured by class engagement, participation in expert groups, and passing grades on in-class activities and Python assignments.
3. By the end of Module 1, the student will describe technological advances that foster collection and analysis of big data measured by class engagement and passing grades on in-class activities and Python assignments.
4. By the end of Modules 2, 3, and 4, the student will compare and contrast data science methods among disciplines of psychology as measured by class engagement, expert group participation, and passing grades on in-class activities and Python assignments.
5. By the end of Modules 2, 3, and 4, the student will appraise the ethics, privacy, and security practices in data science as measured by class engagement and passing grades on in-class activities.
6. By the end of the semester, the student will identify and use commands or code to perform simple data science methods as measured by class engagement and passing grades on in-class activities, Python assignments, and the class project (graduate students only).
7. By the end of the semester, the student will explain why data science is important in psychological research as measured by class engagement, participation in expert groups, and passing grades on in-class activities, Python assignments, and the class project (graduate students only).
8. By the end of the semester, the student will formulate questions and concerns for future applications of data science in psychology as measured by class engagement, participation in expert groups, and passing grades on in-class activities, Python assignments, and the class project (graduate students only).
9. Throughout the semester, students will contribute to the design of the course and content by providing feedback on the beginning and end of semester surveys and leading application discussions (graduate students only).

Course Materials and Technology

Textbook Information

- Woo, S. E., Tay, L., & Proctor, R. W. (Eds.). (2020). Big data in psychological research. American Psychological Association. Hardcover: ISBN: 978-1-4338-3167-6; e-Text: eISBN-13: 9781433832338
    - The UT Arlington Bookstore's list prices start at $61.19 for rental and $76.49 for purchase. [Note: to purchase books from the Schedule of Classes and/or MyMav, click on the "Buy Books" icon under the course listing. If nothing appears, you need to enable pop-ups.]
    - Please note that I do not control the price. This is the price at the time that I last checked; however, it may change depending on where and when the textbook is purchased and in what format. Used, digital, and rental copies also are available at cheaper rates. I recommend comparing prices, including those from Vital Source that start from $62.99.

- Assigned readings (free access through UT Arlington) will be available on the Canvas site for the course.
- Students: Additional materials for this course may range in cost depending on the project and or topic you choose to work on.

Technology & Equipment Requirements

- You will need access to a computer with Excel software. The University of Texas at Arlington offers Microsoft 365 to all students, including Excel. Additionally, students have access to computers with Microsoft 365 in the OIT Labs, the library, and the Department of Psychology.
- You will need access to online teaching tools including Canvas and Teams (all available free with your UTA account). Students can access tutorials on these tools by clicking on the "Get Started" Box on their Canvas Homepage.
- You will need access to Google Colab, which is a free, online environment that lets you write and execute Python code. A video overview and additional information can be found on the welcome page.
- You will need access to Coursera Career Academy, which is available free through UTA. Integrated into this course is a Coursera Career Academy course on Python or Data Visualization using Python, from which you will earn a certificate to enhance your qualifications for a future career.
- You will need a personal computing device (e.g., laptop) for running software and accessing the internet during class. If you do not have access to a laptop, you may check one out at the library.

CANVAS: Please see available training (https://uta.instructure.com/courses/17157).

TEAMS: Please see available training (https://support.microsoft.com/en-us/office/video-what-is-microsoft-teams-422bf3aa-9ae8-46f1-83a2-e65720e1a34d).

GOOGLE COLAB: You will work with Python code using Google's free, online environment, Google Colab. A video overview and additional information can be found on the welcome page.

COURSERA: You will earn a professional certificate in Python or Data Visualization using Python by completing a course in Coursera Career Academy.

Technological Difficulties: Given that we are using online tools, technological issues are possible. It is your responsibility to make sure you have access to a computer or other networked device, the course assignments, and reliable Wi-Fi. The university provides access to computers on campus for your use, if needed. Therefore, it is assumed that you have access, and technological difficulties (Wi-Fi connectivity issues, browser issues, computer problems etc.) are not a valid reason to ask for an extension or ask that the work not be considered late. For connection and other telecommuting technology issues, contact the Help Desk at 817-272-2208, helpdesk@uta.edu, or fill out a request form.

Visit the OIT Services page for a list of Applications and Software available through UTA.

Visit the UTA Libraries Technology page for a list of items that can be checked out or used at the library.

Assignments & Exams

I highly recommend that you place all due dates in your calendar and schedule reminders for each. You are responsible for knowing all due dates and times.

Daily Class Engagement

I strongly encourage everyone to be active learners and to ask and answer questions. Therefore, class participation is required and will be assessed daily. You will need to read a scientific article, view online content, or interact with data science applications and participate in an in-class discussion. The Tentative Class Schedule of assigned class topics is provided below. I expect you to be prepared with knowledge of the topic(s) indicated on the schedule. Therefore, I expect that all students will have read and reviewed the assigned material prior to participating in class. Daily class engagement grades will consist of attendance and discussion and activity participation. The rubric will be provided on Canvas and will vary based on whether you are presenting as part of your expert group. Daily class engagement will be displayed as a percentage (i.e., 0% to 100%). The final Engagement grade will equal the average of all daily engagement grades, allowing two (2) days absent (the two [2] lowest scores dropped).

In-Class Activities

During class, you may work in groups of 2-3 students to complete the In-Class Activities. These In-Class Activities will occur approximately once a week and are your opportunity to get hands-on experience with data science skills and knowledge as well as actively receive feedback from your peers and the instructor. After you complete the In-Class Activity, you will have it in front of you and then transfer answers or portions of the details to Canvas using an assignment upload, discussion post, or quiz format. Therefore, you will need to bring a laptop to class to complete and submit the in-class activities (see Technology Requirements). On Canvas, the In-Class Activities' submission pages will open at the start of the In-Class Activity and will close at **11:59 PM on the day it was assigned**.

You are encouraged to ask questions and receive feedback. If you are struggling with an activity, someone else is as well and if you reach out to your instructor for additional assistance, you may improve your learning outcomes as well as someone else's. Remember In-Class Activities should be completed during lecture, but you will have additional time to complete the submission if you need it after lecture. Each In-Class Activity will be graded as a percentage (0% to 100%). The final In-Class Activity points will equal the average of all In-Class Activity grades, allowing two (2) days absent (the two [2] lowest scores dropped). If you do not submit an In-Class Activity, it will be considered missing, and you will receive a grade of zero (0).

Expert Group Engagement

During Modules 2-4, we will be reading articles and discussing applications of data science within disciplines of psychology. To support learning, students will be assigned to one of three expert groups. In addition to the core reading assignment, expert group members will read and lead the discussion regarding one article in class. Each group will have a discussion forum on Canvas in which members will post and discuss the assigned reading prior to class. Expert Group Discussion postings are required and are meant to be informative and promote discussion and analysis. If you do not contribute to the Expert Group Discussion, it will be

considered missing, and you will receive a grade of zero (0). For information on how to participate in a discussion see https://guides.instructure.com/m/4212/l/95580-how-do-i-view-discussions-as-a-student.

Python Assignments

As part of the course, you will learn basic (or advanced) Python coding skills and earn a professional certificate. A Coursera Career Academy course on Python will be integrated into the course that includes assessments that you must complete to demonstrate your mastery of the material. Each of the modules and the final exam and/or project will be graded as a percentage (0% to 100%). The final Coursera Python Assignment points will equal the average of all Coursera grades. If a Coursera assessment is not completed, it will be considered missing, and you will receive a grade of zero (0). An advantage of using Coursera is that you may continue taking courses on your own to earn more certificates. I also will cover Python skills during class, and you will use Python in some of the in-class activities.

Beginning and End of Semester Surveys

My goal is to use a student-centered approach that incorporates your voice into the design of the course materials and assessments. To do so, I am asking you to complete two surveys, one at the beginning of the semester and one at the end of the semester, to help guide – and personalize – the development of this course and the learning experiences. If you do not submit a survey, it will be considered missing, and you will receive a grade of zero (0). **Both surveys will be open for one week and will be due at 11:59 PM on the due date.**

Application Discussion Leadership (Graduate Students Only)

Leading discussions related to the applications of data science within disciplines of psychology, is an additional way in which you can incorporate your voice into the design of the course and become more familiar with how data science is used in topics of interest to you. You will sign up on Canvas to lead two of the topics. Working with the instructor, you will choose the readings for the topic, generate thought questions, and lead the in-class discussion. If you fail to follow through with this assignment, you will receive a grade of zero (0).

Class Project (Graduate Students Only)

During this course, you will identify an area in which you can apply the data science skills you are learning to a real-world area in which you are interested. This could be analysis and visualization of data you have, writing a program to accomplish a research or teaching-related task, or another use that is relevant to you and your work. In the end, you will produce a written report and code that will demonstrate the knowledge and skills that you have developed during this course, and you can use to bolster your CV. Not completing this assignment will result in a grade of zero (0).

Grading Information

PSYC 3325: Graded Assignments, Learning Outcomes, and Weight Values

For those enrolled in PSYC 3325 (undergraduate section), final course grades will be calculated as the total of daily class engagement, in-class activities, expert group engagement, Python assignments, and surveys (see below for weighting percentages). Missing assessments will receive a grade of zero (0) in the grade calculations. I do NOT bump grades.

Assignment Name	SLO #	Weight Value
Daily Class Engagement	1,2,3,4,5,6,7,8	30%
In-Class Activities	1,2,3,4,5,6,7,8	20%
Expert Group Engagement	1,2,4,7,8	15%
Python Assignments	2,3,4,5,6,7,8	20%
Beginning and End of Semester Surveys	9	10%
	Total	100%

PSYC 5310: Graded Assignments, Learning Outcomes, and Weight Values

For those enrolled in PSYC 5310 (graduate section), final course grades will be calculated as the total of daily class engagement, in-class activities, expert group engagement, Python assignments, surveys, application discussion leadership, and class project (see below for weighting percentages). Missing assessments will receive a grade of zero (0) in the grade calculations. I do NOT bump grades.

Assignment Name	SLO #	Weight Value
Daily Class Engagement	1,2,3,4,5,6,7,8	20%
In-Class Activities	1,2,3,4,5,6,7,8	15%
Expert Group Engagement	1,2,4,7,8	10%
Python Assignments	2,3,4,5,6,7,8	15%
Beginning and End of Semester Surveys	9	5%
Application Discussion Leadership	1,2,4,7,8,9	15%
Class Project	6,7,8	20%
	Total	100%

Students are expected to track their performance throughout the semester, which Canvas facilitates, and seek guidance from available sources, including the instructor, if their performance drops below satisfactory levels. Refer to the Student Support Services section below.

Final Grade Calculations

Note: Do not necessarily rely on percentages and letter grades calculated by Canvas.

- Those are largely out of my control and may not reflect all calculations.
- Your grade is based on the following grading.

Final course grades will be calculated by weighting and adding together all assignments as detailed above, and then assigning final letter grades as follows:

Letter Grade	Percentage Range
A	89.5-100.0%
B	79.5-89.4%
C	69.5-79.4%
D	59.5%-69.4%
F	0%-59.4%

Grading Standards

You must earn a letter grade of D or higher to pass this class. Grading rubrics are provided for all assignments in Canvas.

Late Work Policy

No late work will be accepted. Missing work will result in a grade of zero (0); however, the lowest scores will be dropped for daily class engagement and in-class activities (see descriptions above for more information).

Make-Up Work Policy

I will consider a request for an excused absence in this course only if documentation for a university-approved excuse (see current University Catalog) or a situation which is entirely out of your control (emergency) is received within one week of the assignment due date. The documentation must cover the entire period for which the assignment was available. If the situation arises in which you cannot physically attend class but can participate remotely, please contact me before class, and I will send you a Teams invite. Routine scheduled activities, such as work, doctor's appointments, vacations, weddings, or other conflicting appointments, will not be considered excused absences.

Extra Credit Policy

Extra credit assignments may be offered during this course if I determine they serve the educational needs of the students enrolled in this course. Any extra credit opportunities will be voluntary. The assignment must be completed correctly and submitted by the due date and time to receive extra credit.

Grade Grievance Policy

Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current University Catalog: Grades and Grading Policies. Use the following link to submit a grade grievance to the department: https://www.uta.edu/academics/schools-colleges/science/departments/psychology/degree-programs/graduate/graduate-resources/student-grievance-form.

Course and University Policies

Attendance Policy

Students should review the University Class Attendance Policies on the Class Attendance Policies page. The following attendance policy will be applied in this course.

As the instructor of this course, **I expect that you will attend class, and I will take daily attendance**. Your daily class engagement grades are evidence of your attendance.

By enrolling in this course, you have made a commitment to attend at the scheduled meeting times. Research has shown that students who attend class regularly have higher course grades. Furthermore, students who actively listen and participate in class have higher course grades than students who attend class but engage in competing activities such texting, surfing the internet, reading, sleeping, etc.

Generative AI Use in This Course

The use of Generative AI (GenAI) in course assignments and assessments must align with the guidelines established by the instructor. Unauthorized use of GenAI could result in breaches of academic integrity. Instructors are responsible for clearly delineating the permissible uses of GenAI in their courses, underscoring the importance of responsible and ethical application of these tools.

The UTA Office of Community Standards articulates the university's stance on academic integrity and scholastic dishonesty. These standards extend to the use of GenAI. Unauthorized or unapproved use of GenAI in academic work falls within the scope of these policies and wAill be subject to the same disciplinary procedures.

As the instructor for this course, I have adopted the following policy on student use of GenAI.

As the instructor of this course, I have adopted the following policy on Student use of GenAI: **Cited Use of GenAI and Unrestricted Use of GenAI.**

Approach	Description
Cited Use of GenAI	This course permits the use of Generative AI (GenAI) as a resource for completing assignments. However, transparency is crucial, students are required to explicitly cite any GenAI tools they utilize in the creation of their work. This citation requirement allows for the acknowledgment of the collaborative nature of GenAI in the learning process while enabling the assessment of student learning to remain focused on the achievement of the course's Student Learning Outcomes (SLOs).

Approach	Description
Unrestricted Use of GenAI	In this course, the integration of technology, including the use of Generative AI (GenAI), is encouraged to fulfill the course's Student Learning Outcomes (SLOs). Students may use GenAI tools freely to assist in the creation of content and to achieve learning objectives. It is expected that students will engage with these tools ethically and responsibly, ensuring that their use of GenAI contributes to a deeper understanding of the subject matter and the development of relevant competencies.

Institutional Policies

UTA students should review the University Catalog and the Syllabus Institutional Policies page for institutional policies and contact the specific office with any questions. The institutional information includes the following policies, among others:

- Drop Policy
- Disability Accommodations
- Academic Integrity
- Electronic Communication

UTA Honor Code

UTA students are expected to adhere to and observe standards of conduct compatible with the University's functions as an educational institution and live by the University of Texas at Arlington's Honor Code. It is the policy of The University of Texas at Arlington to uphold and support standards of personal honesty and integrity for all students consistent with the goals of a community of scholars and students seeking knowledge and responsibility.

Student Support Services

Student Services Page

The Student Services page provides links to many resources available to UTA students, including:

- Academic Success
- Counseling and Psychological Services (CAPS)
- Health Services
- Students with Disabilities
- Veteran Services

Students are also encouraged to check out Career Center resources to enhance their career-readiness, find student employment, search for internships, and more. We encourage Major Exploration and the use of Experiential Major Maps to keep students on track for graduation. Refer to the Graduation Help Desk for more details.

Online Academic Success Guide

Visit the Online Academic Success Guide to explore a list of helpful tips and resources to help you succeed in your online journey.

UTA Health and Wellbeing Resources

UT Arlington is committed to the safety, success, and well-being of our students. To support our community, UTA has established a Community Advocacy, Response, and Engagement (CARE) Team, a dedicated group of campus professionals responsible for helping students who could benefit from academic, emotional, or psychological support, as well as those presenting risks to the health or safety of the community. If you know of someone experiencing challenges, appearing distressed, needing resources, or causing a significant disruption to the UTA community, please submit a CARE Referral by visiting the CARE Team page. You may also submit a referral for yourself if you would like additional support.

UTA students also have access to virtual, on-demand emotional support, appointment-based counseling, advanced psychiatric care, and more. For more information, visit TimelyCare.

NOTE: If a person's behavior poses an immediate threat to you or someone else, contact UTA Police at 817-272-3303 or dial 911. If you or someone you know needs to speak with a crisis counselor, please reach out to the MAVS TALK 24-hour Crisis Line at 817-272-8255 or the National Suicide and Crisis Lifeline at 988.

Community Mental Health Resources

In addition to the excellent resources here at UTA, you may find additional mental health resources in the community. OpenPath (https://openpathcollective.org/) is a database of clinicians with sliding scale options. The Texas Society of Psychiatric Physicians has a list of Mental Health Programs in Tarrant County (https://www.tspptc.org/mental-health-treatment-resources). The Telos Project is a non-profit corporation that provides comprehensive psychological services in the state of Texas. The Resource Center (https://myresourcecenter.org/) supports LGBTQIA+ people in DFW with finding affordable in-person health and mental health services. AltNarratives (https://www.altnarratives.com/) provides mental health services to the broader community including people with personality disorders, people who are neurodivergent, and LGBTQIA+ people.

Pregnancy Or Pregnancy-Related Conditions

Students who are pregnant or experiencing pregnancy-related conditions have protections under Title IX (https://www.uta.edu/eos-title-ix/title-ix/pregnancy-parenting-adjustments). Please contact the Title IX Coordinator, Michelle Willbanks, by phone: 817-272-4585 or email: TITLEIX@uta.edu.

Librarian to Contact

Each academic unit has access to Librarians by Academic Subject who can assist students with research projects, tutorials on plagiarism, citation references, as well as support with databases and course reserves.

MavAlert System

The MavAlert system sends information to cell phones or email accounts of subscribed users in case of an emergency. Anyone can subscribe to MavAlerts at Emergency Communication System (https://www.uta.edu/campus-ops/oem/emergency).

Emergency Phone Numbers

In case of an on-campus emergency, call the UT Arlington Police Department at **817-272-3003** (non-campus phone), **2-3003** (campus phone). You may also dial 911. Non-emergency number 817-272-3381

Course Schedule

As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. –Dr. Angela Liegey Dougall

Class Date(s)	Topic(s)	Materials	Assignments Due
		Module 1	
Week 1 01/13 & 01/15	Course Introduction Overview of Data Science in Psychology	Read Chapters 2 & 3	Daily Class Engagement In-Class Activity Beginning of the Semester Survey Due 01/18
Week 2 01/20 & 01/22	Advances: Internet & Video Data	Read Chapters 4-6	Daily Class Engagement In-Class Activity
Week 3 01/27 & 01/29	Advances: Images & Text Mining	Read Chapters 7 & 8	Daily Class Engagement In-Class Activity
Week 4 02/03 & 02/05	Best Practices: Ethics, Privacy & Security Python Assignments	Read Chapters 15, 17 & 18 Python Assignments Coursera Part 1 Start Part 2	Daily Class Engagement In-Class Activity Python Assignments: Part 1 Quizzes
		Module 2	
Week 5 02/10 & 02/12	Applications: Learning/Learning Analytics	Chapter 9 and Assigned Readings	Expert Group Engagement Daily Class Engagement In-Class Activity Application Discussion Leadership (Graduate Students Only)
Week 6 02/17 & 02/19	Applications: Social Psychology	Chapter 10 and Assigned Readings	Expert Group Engagement Daily Class Engagement In-Class Activity Application Discussion Leadership (Graduate Students Only)
Week 7 02/24 & 02/26	Applications: Developmental Psychology	Chapter 13 and Assigned Readings	Expert Group Engagement Daily Class Engagement In-Class Activity Application Discussion Leadership (Graduate Students Only)

Class Date(s)	Topic(s)	Materials	Assignments Due
Week 8 03/03 & 03/05	Best Practices: Theory and Promoting Robust & Reliable Research Python Assignments	Read Chapters 1 & 16 Python Assignments Coursera Part 2 Start Part 3	Daily Class Engagement In-Class Activity Python Assignments: Part 2 Quizzes Proposal for Class Project (Graduate Students Only)
Week 9 03/10 & 03/12	Spring Vacation		
		Module 3	
Week 10 03/17 & 03/19	Applications: Cognitive/Neurocognitive Psychology	Chapter 12 and Assigned Readings	Expert Group Engagement Daily Class Engagement In-Class Activity Application Discussion Leadership (Graduate Students Only)
Week 11 03/24 & 03/26	Applications: Health Psychology	Chapter 11 and Assigned Readings	Expert Group Engagement Daily Class Engagement In-Class Activity Application Discussion Leadership (Graduate Students Only)
Week 12 03/31 & 04/02	Applications: Industrial & Organizational Psychology	Chapter 14 and Assigned Readings	Expert Group Engagement Daily Class Engagement In-Class Activity Application Discussion Leadership (Graduate Students Only)
Week 13 04/07 & 04/09	Best Practices: Future Directions	Read Chapter 19 Python Assignments Coursera Part 3 Start Part 4	Daily Class Engagement In-Class Activity Python Assignments: Part 3 Quizzes
		Module 4	
Week 14 04/14 & 04/16	Applications: Clinical & Counseling Psychology	Assigned Readings	Expert Group Engagement Daily Class Engagement In-Class Activity Application Discussion Leadership (Graduate Students Only)

Class Date(s)	Topic(s)	Materials	Assignments Due
Week 15 04/21 & 04/23	Applications: TBD	Assigned Readings End of the Semester Survey	Expert Group Engagement Daily Class Engagement In-Class Activity End of the Semester Survey Due 04/26 Application Discussion Leadership (Graduate Students Only)
Week 16 04/28	Python Assignments	Python Assignments	Daily Class Engagement In-Class Activity
Week 17 05/05		Coursera Part 4 & Final Exam and/or Project	Python Assignments: Part 4 Quizzes & Final Exam and/or Project Class Project (Graduate Students Only)

3325/5310 Data Science in Psychology Course Roadmap
Spring 2026

Month	January			February				March					April				May
Week of	13-Jan	20-Jan	27-Jan	3-Feb	10-Feb	17-Feb	24-Feb	3-Mar	10-Mar	17-Mar	24-Mar	31-Mar	7-Apr	14-Apr	21-Apr	28-Apr	5-May
Module	Module 1				Module 2				Spring Vacation	Module 3				Module 4			
Daily Engagement, Expert Group Engagement, & In-Class Activity	13-Jan to 5-Feb				6-Feb to 5-Mar					6-Mar to 9-Apr				10-Apr to 3-May			
Coursera Python Assignment	13-Jan to 5-Feb				6-Feb to 5-Mar					6-Mar to 9-Apr				10-Apr to 3-May			
Beginning and End of Semester Surveys	18-Jan														26-Apr		
Graduate Application Discussion Leadership					6-Feb to 5-Mar					6-Mar to 9-Apr				10-Apr to 3-May			
Graduate Class Project								5-Mar									5-May