

**Texas A&M University – Central Texas**  
**PSYC 3430-110: Statistics for the Behavioral Sciences**  
**Summer 2023**

**Instructor:** Daniel A. Clark      **Office:** Warrior Hall 318 I  
**Email:** [Daniel-Clark@tamuct.edu](mailto:Daniel-Clark@tamuct.edu)

**Office Hours:** [Click here for appointment link.](#)

**Mode of instruction and course access:**

This course meets entirely online through the University's course management system.

**Student-instructor interaction:**

The instructor will check email and canvas inbox as often as possible and will attempt to return messages within two business days. Students may make appointments with the instructor during office hours using the following link:

<https://outlook.office365.com/owa/calendar/DrClarkamp39sCalendar@tamuct.onmicrosoft.com/bookings/>

**Emergency Warning System for Texas A&M University-Central Texas**

**SAFEZONE.** SafeZone provides a public safety application that gives you the ability to call for help with the push of a button. It also provides Texas A&M University-Central Texas the ability to communicate emergency information quickly via push notifications, email, and text messages. All students automatically receive email and text messages via their myCT accounts.

Downloading SafeZone allows access to push notifications and enables you to connect directly for help through the app.

You can download SafeZone from the app store and use your myCT credentials to log in. If you would like more information, you can visit the [SafeZone](http://www.safezoneapp.com) website [www.safezoneapp.com].

To register SafeZone on your phone, please follow these 3 easy steps:

1. Download the SafeZone App from your phone store using the link below:
  - o [iPhone/iPad](https://apps.apple.com/app/safezone/id533054756): [https://apps.apple.com/app/safezone/id533054756]
  - o [Android Phone / Tablet](https://play.google.com/store/apps/details?id=com.criticalarc.safezoneapp)  
[https://play.google.com/store/apps/details?id=com.criticalarc.safezoneapp]
2. Launch the app and enter your myCT email address (e.g. {name}@tamuct.edu)
3. Complete your profile and accept the terms of service

**For updates on COVID information,** please monitor the University [website](#)

[https://www.tamuct.edu/covid19/]

**Required textbooks:**

- 1) Gravetter, F.J., & Wallnau, L.B. (2012). *Statistics for the Behavioral Sciences*. Boston, MA: Pearson/Allyn & Bacon. (ISBN: 987-0205-35867-0)
- 2) American Psychological Association. (2009). *Publication manual of the American psychological association* (6<sup>th</sup> ed.). Washington, DC: Author. (ISBN: 978-1-4338-0561-5)

## Catalog course description:

**Learning outcomes (LO):** Upon satisfactory completion of this course, students will:

### Course Objectives:

1. Demonstrate fundamental knowledge and comprehension of basic statistical analyses (descriptives, t-tests, ANOVAs, Chi-squared, correlations, and linear regression) as they commonly appear in psychological research.
2. Use quantitative reasoning to interpret basic analyses in research findings concerning psychological phenomena.
3. Demonstrate basic understanding of at least one web-based tool for designing and conducting psychological research (e.g., Qualtrics). (2) Practice connecting research design with basic statistical analyses.
4. Demonstrate understanding of the strengths and weaknesses of using particular statistical methods in a research context, distinctions between hypothesis test result and effect size, interpretation of test outcomes, conclusions are supported by data.
5. Demonstrate competence in writing basic survey questions and psychological research results, especially writing about statistical analyses in APA style.
6. Demonstrate the specific skill of performing basic statistical analyses (descriptives, t-tests, ANOVAs, Chi-squared, correlations, and linear regression) using statistical software and making appropriate empirical inferences from the analyses.

### *Learning Evaluation Methods:*

**Assignments (30%):** During every week that does not have a quiz, an assignment will be given over the material that is covered during that week (17 assignments total). These assignments will be completed on Canvas in between class periods.

*Content of Assignments:* The assignments in this course will be a combination of content from the textbook as well as data analysis. Before an assignment, the students will be given an opportunity to practice the data analysis in the classroom.

*Turning in Assignments:* The assignments will be due on the indicated date (see the schedule below) It is recommended that students begin the assignments a few days before the due date so that they may be able to get help if needed.

*Assignment Safety Net:* If a student makes a legitimate effort on an assignment and receives below a 70, the instructor may give the student the grade of a 70 for the effort. However,

**Quizzes (45%):** After completing 3-4 chapters of materials, students will take a quiz over what they have learned (5 quizzes total). These quizzes will have approximately 40-50 questions and will be comprised of both multiple choice and fill in the blank questions. Each quiz will require students to analyze data during the quiz.

### **Participation (10%):**

**Quest Assignments (20):** To practice data analyses, these specialized assignments are require students to download and analyze data to answer questions correctly without any penalty for incorrect answers. However, students must answer every question correctly to complete the

assignment and get credit. These assignments may be completed during or outside of class time (especially for those enrolled in the online section of the course, but time will be allocated in class so that students can get help from the instructor as well as their classmates.

**Discussion Post:** Especially for the students who are in the online course section, this one post is just for introducing yourself to the class.

**Quiz Reflections (2):** To help students critically about their performance on the first two quizzes, this assignment asks questions concerning processes with the goal of improving on the subsequent quizzes.

Lab Assignments (15%): Your lab assignments will be where you bring the things that we will learn in the classroom into the real world. For this lab, you will be learning about how to use web-based software (Qualtrics) to create surveys. You will also learn about how to effectively communicate statistical results in APA style.

Final course grades will follow the system below:

**A** = 90.00+ total points, **B** = 80.00-89.99 points, **C** = 70.00-79.99 points, **D** = 62.00-69.99 points, **F** = 61.99 or fewer points

## **INSTRUCTOR POLICIES**

**Late Work Policy.** The assignments in this course are intended to be completed in a sequential fashion. In the years I have taught this class, I have learned that the worst thing you can do is get behind. But I know it happens. So here is my policy. When work is turned in after the due date, 10% will be deducted per day the assignment is late. However, there is one caveat. If your assignment is not turned in at the time and date it is due, you need to [fill out this form \(link is also available in Canvas\)](#) within 24 hours of the due date that includes four questions. First, it will ask about the specific assignment(s). You may fill out the form for more than one assignment, as long as the assignments are due on the same day.

Second, it asks about what prevented you from turning it in on time. You do not have to be super specific, just give me something to help me understand the situation. Third, the form asks for how you plan on avoiding the problem from question one in the future. Finally, the form asks for your specific plan for getting it turned in, including the date I should expect it to be completed. If you have answered these questions satisfactorily, I may reduce or remove the late penalty for your grade.

## **Research Participation**

**Research Experience Requirement:** Students in selected psychology courses (PSYC 3307, PSYC 3409, PSYC 3312, PSYC 3430, PSYC 4320) are required to engage in research experience activities as part of the course. The research experience activity involves writing summaries of peer reviewed research articles that are related to the course content. Faculty will identify which articles can be reviewed for their course, and article reviews can be submitted directly to the faculty for evaluation.

If students choose not to write article summaries, they can complete an alternative research experience by participating in research studies directly related to psychology to gain this experience.

**Sign Up for Alternative Research Experience:** To receive credit for this alternate research experience activity, students must create an account in SONA. The university SONA account is where students will sign up to participate in research projects (<https://tamuct.sona-systems.com>). Students should view the introductory tutorial video before using SONA ([https://www.youtube.com/watch?v=\\_1OnT2ZU6QQ](https://www.youtube.com/watch?v=_1OnT2ZU6QQ)) and

be sure to use their university email when signing up. Students who have problems signing up for SONA or have questions should contact the professor of the course.

**Credits:** Students are required to complete 3 research experience credits in this course. Credit is allotted as follows:

- 1 credit for each summary of a peer-reviewed, research article OR
- 1 credit for each hour (60 minutes) of research participation (in-person or online)
- 1/2 credit for each 1/2 hour (30 minutes) of research participation (in-person or online)

Students can use a combination of article summaries and alternative research assignments to earn their credits. There is no guarantee that there will be sufficient research participation opportunities for students to earn 100% of their credits from this alternative research experience.

Students who drop a class after having earned research experience credit cannot apply any accumulated credit from that class towards future semesters without the documented approval of the department chair; however, credits in SONA can be transferred from one course to another in the same semester. Credits from previous semesters are not permitted to be transferred for current semester use.

**Penalties:** Any student who has not earned all required research credits prior to the end of the semester will be penalized 1 letter grade on the final course grade

### **Technology Requirements**

This course will use the A&M-Central Texas Instructure Canvas learning management system. **We strongly recommend the latest versions of Chrome or Firefox browsers. Canvas no longer supports any version of Internet Explorer.**

Logon to A&M-Central Texas Canvas [<https://tamuct.instructure.com/>] or access Canvas through the TAMUCT Online link in myCT [<https://tamuct.onecampus.com/>]. You will log in through our Microsoft portal.

Username: Your MyCT email address. Password: Your MyCT password

**You will also need to utilize specialized software for statistical calculations. Currently, reliable versions of these softwares are NOT available for smartphones or tablets. Therefore, when doing homework in this course, it is recommended that you have access to a laptop or desktop computer.**

**For the current course, we will be using either SPSS or Jamovi. Using one of these software packages is required for**

**this course, but purchasing one (for SPSS) for yourself is not required.**

**If you choose to download SPSS for yourself with a student discount, you need to make sure that you purchase the “Standard Grad Pack”(NOT THE “BASE grad pack”) if you want the software to be able to complete all of the calculations required for this course. You may find a discounts for students at the websites listed on this page:**

**<http://www-03.ibm.com/software/products/en/spss-stats-gradpack>**

**It is (once again) recommended that the student have access to a laptop or desktop computer, as the software programs that will be utilized are not available on smartphones or tablets.**

### **Canvas Support**

Use the Canvas Help link, located at the bottom of the left-hand menu, for issues with Canvas. You can select “Chat with Canvas Support,” submit a support request through “Report a Problem,” or call the Canvas support line: 1-844-757-0953.

For issues related to course content and requirements, contact your instructor.

### **Online Proctored Testing**

A&M-Central Texas uses Proctorio for online identity verification and proctored testing. This service is provided at no direct cost to students. If the course requires identity verification or proctored testing, the technology requirements are: Any computer meeting the minimum computing requirements, plus web camera, speaker, and microphone (or headset). Proctorio also requires the Chrome web browser with their custom plug in.

### **Other Technology Support**

For log-in problems, students should contact Help Desk Central, 24 hours a day, 7 days a week

Email: [helpdesk@tamu.edu](mailto:helpdesk@tamu.edu)

Phone: (254) 519-5466

[Web Chat](http://hdc.tamu.edu): [<http://hdc.tamu.edu>]

*Please let the support technician know you are an A&M-Central Texas student.*

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## **UNIVERSITY RESOURCES, PROCEDURES, AND GUIDELINES**

### **Academic Accommodations**

At Texas A&M University-Central Texas, we value an inclusive learning environment where every student has an equal chance to succeed and has the right to a barrier-free education. The Warrior Center for Student Success, Equity and Inclusion is responsible for ensuring that students with a disability receive equal access to the university’s programs, services and activities. If you believe you have a disability requiring reasonable accommodations, please contact the Office of Access and Inclusion, WH-212; or call (254) 501-5836. Any information you provide is private and confidential and will be treated as such.

For more information, please visit our [Access & Inclusion](#) Canvas page (log-in required) [<https://tamuct.instructure.com/courses/717>]

## **Academic Integrity**

Texas A&M University-Central Texas values the integrity of the academic enterprise and strives for the highest standards of academic conduct. A&M-Central Texas expects its students, faculty, and staff to support the adherence to high standards of personal and scholarly conduct to preserve the honor and integrity of the creative community. Any deviation by students from this expectation may result in a failing grade for the assignment and potentially a failing grade for the course. All academic misconduct concerns will be referred to the Office of Student Conduct. When in doubt on collaboration, citation, or any issue, please contact your instructor before taking a course of action.

For more [information regarding the student conduct process](https://www.tamuct.edu/student-affairs/student-conduct.html),  
[https://www.tamuct.edu/student-affairs/student-conduct.html].

If you know of potential honor violations by other students, you may [submit a referral](https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=0),  
[https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout\_id=0].

## **Drop Policy**

If you discover that you need to drop this class, you must complete the [Drop Request](#) Dynamic Form through Warrior Web.

Faculty cannot drop students; this is always the responsibility of the student. The Registrar's Office will provide a deadline on the Academic Calendar for which the form must be completed. Once you submit the completed form to the Registrar's Office, you must go into Warrior Web and confirm that you are no longer enrolled. If you still show as enrolled, FOLLOW-UP with the Registrar's Office immediately. You are to attend class until the procedure is complete to avoid penalty for absence. Should you miss the drop deadline or fail to follow the procedure, you will receive an F in the course, which may affect your financial aid and/or VA educational benefits.

## **Important information for Pregnant and/or Parenting Students**

Texas A&M University-Central Texas supports students who are pregnant, experiencing pregnancy-related conditions, and/or parenting. In accordance with requirements of Title IX and related guidance from US Department of Education's Office of Civil Rights, the Dean of Student Affairs' Office can assist students who are pregnant and/or parenting in seeking accommodations related to pregnancy and/or parenting. Students should seek out assistance as early in the pregnancy as possible. For more information, please visit [Student Affairs](https://www.tamuct.edu/student-affairs/pregnant-and-parenting-students.html) [https://www.tamuct.edu/student-affairs/pregnant-and-parenting-students.html]. Students may also contact the institution's Title IX Coordinator. If you would like to read more about these [requirements and guidelines](http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf) online, please visit the website [http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf].

Title IX of the Education Amendments Act of 1972 prohibits discrimination on the basis of sex and gender—including pregnancy, parenting, and all related conditions. A&M-Central Texas is able to provide flexible and individualized reasonable accommodation to pregnant and parenting students. All pregnant and parenting students should contact the Associate Dean in the Division of Student Affairs at (254) 501-5909 to seek out assistance. Students may also contact the University's Title IX Coordinator.

## **Tutoring**

Tutoring is available to all A&M-Central Texas students, both virtually and in-person. Student success coaching is available online upon request.

If you have a question, are interested in becoming a tutor, or in need of success coaching contact the Warrior Center for Student Success, Equity and Inclusion at (254) 501-5836, visit the

Warrior Center at 212 Warrior Hall, or by emailing [WarriorCenter@tamuct.edu](mailto:WarriorCenter@tamuct.edu).

To schedule tutoring sessions and view tutor availability, please visit [Tutor Matching Services](https://tutormatchingservice.com/TAMUCT) [https://tutormatchingservice.com/TAMUCT] or visit the Tutoring Center in 111 Warrior Hall.

Chat live with a remote tutor 24/7 for almost any subject from on your computer! Tutor.com is an online tutoring platform that enables A&M-Central Texas students to log in and receive online tutoring support at no additional cost. This tool provides tutoring in over 40 subject areas except writing support. Access Tutor.com through Canvas.

### **University Library & Archives**

The University Library & Archives provides many services in support of research across campus and at a distance. We offer over 200 electronic databases containing approximately 400,000 eBooks and 82,000 journals, in addition to the 96,000 items in our print collection, which can be mailed to students who live more than 50 miles from campus. Research guides for each subject taught at A&M-Central Texas are available through our website to help students navigate these resources. On campus, the library offers technology including cameras, laptops, microphones, webcams, and digital sound recorders.

Research assistance from a librarian is also available 24 hours a day through our online chat service, and at the reference desk when the library is open. Research sessions can be scheduled for more comprehensive assistance, and may take place virtually through WebEx, Microsoft Teams or in-person at the library. [Schedule an appointment here](https://tamuct.libcal.com/appointments/?g=6956) [https://tamuct.libcal.com/appointments/?g=6956]. Assistance may cover many topics, including how to find articles in peer-reviewed journals, how to cite resources, and how to piece together research for written assignments.

Our 27,000-square-foot facility on the A&M-Central Texas main campus includes student lounges, private study rooms, group work spaces, computer labs, family areas suitable for all ages, and many other features. Services such as interlibrary loan, TexShare, binding, and laminating are available. The library frequently offers workshops, tours, readings, and other events. For more information, please visit our [Library website](http://tamuct.libguides.com/index) [http://tamuct.libguides.com/index]

### **University Writing Center**

University Writing Center: Located in Warrior Hall 416, the University Writing Center (UWC) at Texas A&M University–Central Texas (A&M–Central Texas) is a free service open to all A&M–Central Texas students. The hours of operation are from 10:00 a.m.-5:00 p.m. Monday thru Thursday in Warrior Hall 416 (with online tutoring available every hour as well) with satellite hours available online only Monday thru Thursday from 6:00-9:00 p.m. and Saturday 12:00-3:00 p.m.

Tutors are prepared to help writers of all levels and abilities at any stage of the writing process. While tutors will not write, edit, or grade papers, they will assist students in developing more effective composing practices. By providing a practice audience for students' ideas and writing, our tutors highlight the ways in which they read and interpret students' texts, offering guidance and support throughout the various stages of the writing process. In addition, students may work independently in the UWC by checking out a laptop that runs the Microsoft Office suite and connects to WIFI, or by consulting our resources on writing, including all of the relevant style guides. Whether you need help brainstorming ideas, organizing an essay, proofreading, understanding proper citation practices, or just want a quiet place to work, the UWC is here to help!

Students may arrange a one-to-one session with a trained and experienced writing tutor by making an appointment via [WCOOnline](https://tamuct.mywconline.com/) [https://tamuct.mywconline.com/]. In addition, you can email Dr. Bruce Bowles Jr. at [bruce.bowles@tamuct.edu](mailto:bruce.bowles@tamuct.edu) if you have any questions about the UWC, need any assistance with scheduling, or would like to schedule a recurring appointment with your favorite tutor.

## OPTIONAL POLICY STATEMENTS

### A Note about Sexual Violence at A&M-Central Texas

Sexual violence is a serious safety, social justice, and public health issue. The university offers support for anyone struggling with these issues. University faculty are mandated reporters, so if someone discloses that they were sexually assaulted (or a victim of Domestic/Dating Violence or Stalking) while a student at TAMUCT, faculty members are required to inform the Title IX Office. If you want to discuss any of these issues confidentially, you can do so through Student Wellness and Counseling (254-501-5955) located on the second floor of Warrior Hall (207L).

Sexual violence can occur on our campus because predators often feel emboldened, and victims often feel silenced or shamed. It is incumbent on ALL of us to find ways to actively create environments that tell predators we don't agree with their behaviors and tell survivors we will support them. Your actions matter. Don't be a bystander; be an agent of change. For additional information on campus policy and resources visit the [Title IX webpage](https://www.tamuct.edu/compliance/titleix.html) [https://www.tamuct.edu/compliance/titleix.html].

### Behavioral Intervention

Texas A&M University-Central Texas cares about the safety, health, and well-being of its students, faculty, staff, and community. If you are aware of individuals for whom you have a concern, please make a referral to the Behavioral Intervention Team. Referring your concern shows you care. You can complete the [referral](https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=2) online

[https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout\_id=2].

Anonymous referrals are accepted. Please see the [Behavioral Intervention Team](https://www.tamuct.edu/bit) website for more information [https://www.tamuct.edu/bit]. If a person's behavior poses an imminent threat to you or another, contact 911 or A&M-Central Texas University Police at 254-501-5805.

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### Course Schedule (see Canvas for updated schedule)

Date	Details	Due
Tue Jun 6, 2023	Discussion Topic <a href="#">Who are You?!</a>	due by 11:59pm
Thu Jun 8, 2023	Quiz	due by 11:59pm

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A.1

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Quiz

due by 11:59pm

[Quest 1.3](#)

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Quiz

due by 11:59pm

[Quest 1.1.](#)

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Quiz

due by 11:59pm

[A.2](#)

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Quiz

due by 11:59pm

Tue Jun 13, 2023

[A.3](#)

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Quiz

due by 11:59pm

[Quest 1.2](#)

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Quiz

due by 11:59pm

[Lab Assignment 1](#)

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Thu Jun 15, 2023

Quiz

due by 11:59pm

[Quiz 1](#)

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Quiz

due by 11:59pm

[A.4](#)

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Tue Jun 20, 2023

Quiz

due by 11:59pm

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Quest 2.1

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Quiz

due by 11:59pm

Quest 2.2

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Quiz

Quiz 1 Performance  
Reflection Participation  
Quiz

due by 11:59pm

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Quiz

due by 11:59pm

A.5

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Quiz

due by 11:59pm

A.6

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Thu Jun 22, 2023

Quiz

due by 11:59pm

Lab Assignment 2.1

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Quiz

due by 11:59pm

Quest 2.3

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Quiz

due by 11:59pm

Quest 2.4

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Tue Jun 27, 2023

Quiz

due by 11:59pm

Lab Assignment 2.2

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	Quiz <a href="#">Quiz 2</a>	due by 11:59pm
	Quiz <a href="#">A.7</a>	due by 11:59pm
	Quiz <a href="#">A.8</a>	due by 11:59pm
	Quiz <a href="#">Quest 3.1</a>	due by 11:59pm
Thu Jun 29, 2023	Quiz <a href="#">Quest 3.2</a>	due by 11:59pm
	Quiz <a href="#">Quest 3.3</a>	due by 11:59pm
	Quiz <a href="#">Quiz 2 Performance</a> <a href="#">Reflection Participation</a> <a href="#">Quiz</a>	due by 11:59pm
	Quiz <a href="#">A.10</a>	due by 11:59pm
Thu Jul 6, 2023	Quiz <a href="#">A.9</a>	due by 11:59pm

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	Quiz <a href="#">Lab Assignment 3.1</a>	due by 11:59pm
	Quiz <a href="#">Quest 3.4</a>	due by 11:59pm
	Quiz <a href="#">Quest 3.5</a>	due by 11:59pm
	Quiz <a href="#">A.11</a>	due by 11:59pm
Tue Jul 11, 2023	Quiz <a href="#">Quest 3.6</a>	due by 11:59pm
	Quiz <a href="#">Quiz 3</a>	due by 11:59pm
Thu Jul 13, 2023	Assignment <a href="#">Lab Assignment 3.2</a>	due by 11:59pm
	Quiz <a href="#">A.12</a>	due by 11:59pm
Tue Jul 18, 2023	Quiz <a href="#">A.13</a>	due by 11:59pm

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	Quiz <a href="#">Quest 4.1</a>	due by 11:59pm
	Quiz <a href="#">Quest 4.2</a>	due by 11:59pm
Thu Jul 20, 2023	Quiz <a href="#">A.14</a>	due by 11:59pm
	Quiz <a href="#">Quest 4.3</a>	due by 11:59pm
	Quiz <a href="#">A.15</a>	due by 11:59pm
Tue Jul 25, 2023	Quiz <a href="#">Quest 4.4</a>	due by 11:59pm
	Quiz <a href="#">Quest 4.5</a>	due by 11:59pm
Thu Jul 27, 2023	Assignment <a href="#">Lab Assignment 4</a>	due by 11:59pm
	Quiz <a href="#">Quiz 4</a>	due by 11:59pm

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	Quiz <a href="#">A.16</a>	due by 11:59pm
Tue Aug 1, 2023		
	Quiz <a href="#">Quest 5.1</a>	due by 11:59pm
	Quiz <a href="#">A.17</a>	due by 11:59pm
Thu Aug 3, 2023	Quiz <a href="#">Quest 5.2</a>	due by 11:59pm
	Quiz <a href="#">Quest 5.3</a>	due by 11:59pm
	Quiz <a href="#">A.18</a>	due by 11:59pm
Tue Aug 8, 2023	Assignment <a href="#">End of Course Survey</a>	due by 11:59pm
	Assignment <a href="#">Lab Assignment 5.1</a>	due by 11:59pm
	Quiz <a href="#">Quiz 5</a>	due by 11:59pm
Thu Aug 10, 2023		

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Quiz

[Research Experience](#)

[Article Review Quiz](#)

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due by 11:59pm