



Statistical Methods in Psyc-14821

PSYC-2317

RT 2021 Section 148 3 Credits 08/23/2021 to 12/12/2021 Modified 09/08/2021

Course Meetings

Course Modality

Online Anytime

Meeting Days

N/A

Meeting Times

N/A

Meeting Location

Online in Canvas

Welcome and Instructor Information

Instructor: Ms. Katherine E Bruton MA

Email: katherine.bruton@hccs.edu

Office: A230 EDUC

Phone: 713-718-7228

Website: <https://learning.hccs.edu/faculty/katherine.bruton> (<https://learning.hccs.edu/faculty/katherine.bruton>)

What's Exciting About This Course

Have you ever heard someone claim that statistics can be manipulated to say whatever the person manipulating them wants them to say? You're about to find out if that's true. This course will arm you with the knowledge you need to evaluate the statistical information you hear in the media, not to mention statistical statements that pop up in every psychology class you take. For instance, what are psychologists who say "there was a statistically significant difference between the experimental and control groups" trying to tell you? By the time you finish this course, you'll not only know, but you'll also be able to explain it to others. You'll also learn how researchers decide which type of statistical analysis is best for answering a specific question about a mental process or behavior. You'll gain confidence, too, as you learn to use statistics to analyze data totally on your own—no computers needed. Yes, math is involved. No worries—if you use the resources and path to success that this course includes, you'll be successful!

My Personal Welcome

Welcome to General Psychology—I'm delighted that you have chosen this course. One of my passions is to know as much as I can about human behavior, and I can hardly wait to pass that on. I will present the information in the most exciting way I know, so that you can grasp the concepts and apply them now and hopefully throughout your life. As you read and wrestle with new ideas and facts that may challenge you, I am available to support you. The fastest way to reach me is by my HCC email. The best way to

really discuss issues is in person and I'm available during posted office hours to tackle any questions you might have. My goal is for you to walk out of the course with a better understanding of yourself and of human behavior. So please visit me or contact me whenever you have a question.

Preferred Method of Contact

After classes begin, please use Canvas email to contact me. I will do my best to respond to your message within twenty-four hours. I generally check my email at least twice a day during the semester, but if I do not respond within 24 hours, please do not hesitate email me again.

NOTE: According to Title IX reporting requirements as per Texas SB 212, I am required to report any information I receive about sexual assault, dating violence, sexual harassment, or stalking. I am also required by law to report any information I receive about suicidal ideation.

Office Hours

Tuesday, Thursday, 10:00 AM to 2:00 PM, WebEx - You make the appointment, I will send you the link!

For an appointment, please send me an email in Canvas. I will then send you the WebEx link to join the meeting.

Course Overview

Course Description

PSYC 2317 covers descriptive and inferential statistics used in psychological research and assessment. It includes measurement, characteristics of distributions; measures of central tendency and variability; transformed scores; correlation and regression; probability theory; and hypotheses testing and inference. (PSYC 2317 is included in the [Psychology Field of Study](#).)

Prerequisites

PSYC 2317 requires MATH 1314 (or equivalent). Students must be placed into college-level reading (or take INRW 0420 or ESOL 0360). If you have enrolled in this course without having satisfied these prerequisites, you are at higher risk of failure or withdrawal than students who have done so, and you should carefully read and consider the repeater policy in the [HCC Student Handbook](#).

Psychology Department

<https://www.hccs.edu/programs/areas-of-study/social-behavioral-sciences/psychology/> (<https://www.hccs.edu/programs/areas-of-study/social-behavioral-sciences/psychology/>)

Core Curriculum Objectives (CCOs)

PSYC 2317 satisfies the mathematics requirement in the HCCS core curriculum. The HCCS Psychology Program Committee has specified that the course addresses the core objectives as follows:

- **Critical Thinking:** Students will demonstrate the ability to engage in inquiry and analysis, evaluation and synthesis of information, and creative thinking by completing a written assignment such as a book report, research paper, or essay.
- **Communication Skills:** Students will demonstrate effective development, interpretation and expression of ideas through written, oral, and visual communication by completing a written assignment such as a book report, research paper, or essay.
- **Quantitative and Empirical Literacy:** Students will demonstrate the ability to draw conclusions based on the systematic analysis of topics using observation, experiment, and/or numerical skills by completing textbook reading assignments, completing assignments, and answering questions on quizzes and exams.
- **Social Responsibility:** Students will demonstrate cultural self-awareness, intercultural competency, civil knowledge, and the ability to engage effectively in regional, national, and global communities by completing textbook reading assignments, completing assignments, and answering questions on quizzes and exams.

Student Learning Outcomes and Objectives

Program Student Learning Outcomes (PSLOs)

Can be found at:

<http://www.hccs.edu/programs/areas-of-study/social-behavioral-sciences/psychology/>

Course Student Learning Outcomes (CSLOs)

Upon completion of PSYC 2317, the student will be able to:

- Compute and interpret empirical and theoretical probabilities.
- Define and explain the characteristics of data based on their reliability, validity, and scales of measurement.
- Interpret visual representations of data, such as graphs and tables.
- Compute and interpret descriptive statistics, such as mean, median, and mode; standard deviation and range; and transformed scores.
- Compute and interpret inferential statistics and tests, such as z test, t test, ANOVA, and Chi-Square.
- Calculate, evaluate, and interpret simple linear correlation/regression.
- Construct and interpret confidence intervals.
- Examine, analyze, and compare various sampling distributions.
- Formulate, perform, and interpret hypotheses tests.
- Identify the appropriate statistical analyses for given research problems, questions, hypotheses, and data sets.
- Apply statistical knowledge to the interpretation of psychological research.
- Explain features and purpose of statistical software packages.

Learning Objectives

Learning Objectives for each CSLO can be found at [Learning Objectives for PSYC 2317](#)

Departmental Practices and Procedures

Success in PSYC Courses

Expect to spend at least twice as many hours per week outside of class as you do in class studying the course content. Additional time will be required for written assignments. The assignments provided will help you use your study hours wisely. Successful completion of this course requires a combination of the following:

- Reading the textbook
- Attending class in person and/or online
- Completing assignments
- Participating in class activities

There is no short cut for success in this course; it requires reading (and probably re-reading) and studying the material using the course objectives as your guide.

Instructor and Student Responsibilities

As your Instructor, it is my responsibility to:

- Provide the grading scale and detailed grading formula explaining how student grades are to be derived
- Facilitate an effective learning environment through learner-centered instructional techniques
- Provide a description of any special projects or assignments
- Inform students of policies such as attendance, withdrawal, tardiness, and make up
- Provide the course outline and class calendar which will include a description of any special projects or assignments
- Arrange to meet with individual students before and after class as required

As a student, it is your responsibility to:

- Attend class in person and/or online
- Participate actively by reviewing course material, interacting with classmates, and responding promptly in your

- communication with me
- Read and comprehend the textbook
- Complete the required assignments and exams
- Ask for help when there is a question or problem
- Keep copies of all paperwork, including this syllabus, handouts, and all assignments
- Be aware of and comply with academic honesty policies in the [HCCS Student Handbook](#)

Department Attendance Policies

Official Date of Enrollment (OE Day)

In order to remain enrolled in a course, students must be in attendance on or before OE Day. OE Day varies depending on term length. The date is noted in the HCC Academic Calendar and in the Course Calendar in every psychology instructor's syllabus.

OE Day Attendance Report

HCC policy requires that instructors submit attendance reports for all enrolled students on or the day after OE Day. The report is a legal document that must be an accurate accounting of student attendance regardless of the "excused" or "unexcused" nature of students' absences (see [HCC Student Handbook](#) for definitions of *excused* and *unexcused* absences).

Psychology Department Definition of *Attendance*

For purposes of the required OE Day attendance report, the HCC psychology department defines *attendance* as follows:

1. In-person class: Presence in at least one on-campus class session on or before OE Day AND completion of any Canvas assignments due on or before OE day
2. Hybrid class: Presence in at least one on-campus class session on or before OE Day AND completion of any Canvas assignments due on or before OE day
3. Online on a Schedule: Presence in at least one virtual class session on or before OE Day AND completion of any Canvas assignments due on or before OE day
4. Online Anytime: Documented activity in Canvas on or before OE Day AND completion of any Canvas assignments due on or before OE day

Students' Responsibility to Contact Instructor or Department

Students who have documentation of a circumstance that prevents them from fulfilling OE Day attendance requirements must notify their instructors or the psychology department on or before OE day. At the discretion of the instructor and/or psychology department chair, such notification may or may not be deemed to fulfill the OE Day attendance requirement.

Canvas Activity after Submission of OE Day Attendance Report

Canvas activity on the part of a student who was reported as never attended that occurs after the instructor's attendance report has been submitted does not count as attendance. Canvas assignments submitted after submission of the report do not count for course credit in current or future courses.

Withdrawal of Non-Attending Students

Upon receipt of OE Day attendance reports, HCC enrollment officials will withdraw students from courses in which they are reported as never attended. Such withdrawals will alter students' course schedules in the PeopleSoft Student System.

Termination of Access to Canvas

Withdrawn students' access to Canvas courses will terminate shortly after the PeopleSoft withdrawal takes place via synchronization of PeopleSoft and Canvas student rosters. Withdrawn students' Canvas activity that occurs between the date on which the OE Day attendance report was submitted and such students' loss of access to Canvas does not count as attendance. Canvas assignments submitted during this period do not count for course credit in current or future courses.

Instructor-Specific Attendance Policies

Each psychology instructor's syllabus includes an attendance policy that addresses attendance expectations before and after OE day. Instructors' attendance criteria may exceed those of the department definition above. Students are required to know and

abide by their instructors' attendance policies. Instructors may modify their attendance policies at any time during the semester and will provide students with written notification via email or Canvas announcement whenever such changes are made.

Questions about Attendance Policies

Students who have questions about attendance should contact their instructors. Students are further advised to consult the [HCC Student Handbook](#) for a complete description of college attendance policies.

Department Late Submissions Policy

Each instructor's syllabus includes policies addressing late and missing assignments. Students are required to know and abide by all such policies and all assignment due dates in the instructor's Course Calendar. Instructors are under no obligation to accept late submissions or to re-open Canvas assignments.

Instructional Materials and Resources

Gravetter, F., Wallnau, L., Forzano, L., & Witnauer, J. (2021). Essentials of Statistics for the Behavioral Sciences 10th edition with MindTap. Cengage.

Cengage MindTap Courseware

Essentials of Statistics for the Behavioral Sciences

Author: Frederick J Gravetter, Larry B Wallnau, Lori-Ann B Forzano, James E Witnauer

Publisher: Cengage

Edition: 10th

ISBN: 9780357035528

Availability: Inclusive Access

Price: 95.73 USD

This course participates in the Houston Community College First Day Program. A discount has been applied to the required digital course materials. The discounted charge has been added to students' tuition and fee bills.

Students will access course materials through a link in Canvas. Instructions for opting out of the HCC First Day Program are also posted in Canvas. Students who opt out will still be responsible for obtaining required course materials.

Students will register for MindTap (e-book included) through a link in Canvas. This course participates in HCC's First Day program. The cost of learning materials is included in students' tuition and fees. Details about the First Day program are posted in Canvas.

Cengage MindTap

This class will be using MindTap. It comes with the online textbook that is available starting on the first day of class. MindTap is a premium website that includes an e-book, a printable version of the textbook, as well as practice quizzes, videos, and other useful study tools. It is required in this class.

This courseware will be used for required assignments that will be 30% of your grade. Please see the Assignments, Exams, and Activities for more information on these assignments.

Availability: First Day Access

Course Requirements

Assignments, Exams, and Activities

Type	Weight	Topic	Notes
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Type	Weight	Topic	Notes
Introductory Activities	5%		<p>Academic Integrity Pledge and Hope Activity</p> <p>The Academic Integrity Pledge and Hope Activity are worth 5% of course grade.</p> <p>Academic Integrity Pledge</p> <p>You will be required to take an academic integrity pledge. Details of this pledge are in Canvas. This pledge is worth 100 points.</p> <p>Hope Activity</p> <p>Have you ever been overwhelmed by the path that is before you? Have you ever felt that your goals were almost impossible to achieve? There are strategies you can use to help you with your goals!</p> <p>Feldman & Dreher (2011) did a study on hope and came up with an intervention to help students increase hope and achieve their goals. This class is going to use an adaptation of that intervention. The instructions are as follows:</p> <ol style="list-style-type: none"> 1. Name a "stretch goal" that you want to complete within 6 months, and describe why you want to achieve this goal. This is a long-term goal that you would take time to complete. You must use complete sentences when describing your stretch goal. (25 Points) 2. Name THREE sub-goals that will help you get to that stretch goal. These are goals that you expect to achieve along the way that are "stepping stones" to reaching that goal. (25) 3. For each sub-goal, name an OBSTACLE that would keep you from reaching that subgoal. You will name just ONE obstacle for each sub-goal. (25) 4. For each obstacle mentioned, think of a strategy that would help you to OVERCOME that obstacle. You will name just ONE strategy to help you overcome that obstacle. <p>The Hope Activity is worth 100 points.</p> <p>The Academic Integrity Pledge and Hope Activity will be averaged together, and that average is worth 5% of your grade.</p>

Type	Weight	Topic	Notes
Exams/Quizzes	30%		<p>You will have four exams before the final exam in this course. Each exam is worth 100 points. The four exams will be averaged together, and that average is worth 30% of your grade. These exams will have 33 questions each. These exams will be multiple choice. You will see a combination of concept questions and computation questions.</p> <p>You will need a calculator for the exams. You do NOT need an expensive calculator. Any calculator with a square root key ($\sqrt{\quad}$) is fine. You can find such calculators at a drug store, office supply store, or campus bookstore. You can also use the calculator on your phone or the one on your computer operating system.</p> <p>These exams are OPEN NOTE and OPEN BOOK. However, you should be sure to study and organize your notes so that you learn the concepts and how to do the computations.</p> <p>Important information:</p> <ul style="list-style-type: none"> • You will have 100 minutes for each exam. • You will have THREE attempts at each exam. • You will be permitted to backtrack during the exam. • You will see one question at a time. • Questions will not be locked after answering. <p>DO NOT click "Submit Quiz" until you are done with that exam! After you click "Submit Quiz" you will NOT be allowed to take the exam again!</p> <p>You MUST upload proof of your handwritten notes (scratch work) for these exams in order to earn full credit.</p> <p>There will be a place for uploading scratch work in another assignment slot so that you can focus on using the time limit to take your exam.</p> <p>Failure to upload handwritten notes (scratch work) for these exams will result in a 40% deduction from your exam grade. Do not click "Submit Quiz" until you have turned in your scratch work!</p>

Type	Weight	Topic	Notes
Written Assignment	15%		<p>The paper is a Proposal describing an experiment students will plan. Students WILL NOT be conducting an actual study! You are only going to write a proposal for this course. This is to help students think about research design.</p> <p>This assignment will be submitted through Canvas, and there will be an example assignment with notation to act as a guide to further explain expectations. Your assignment should include:</p> <ol style="list-style-type: none"> 1) The Problem, which describes the issue being studied. (10 points) 2) The Hypothesis, an educated guess about the cause of an effect of interest. (20 pts) <ol style="list-style-type: none"> A) The hypothesis wording describes: <ol style="list-style-type: none"> (1)The null hypothesis, which claims there is no effect. The two conditions do not differ. (2) The alternative hypothesis, which claims there is an effect. The two conditions differ. (Both forms of the hypotheses are described as two or more conditions being compared: the treated experimental and untreated control groups.) B) Describe both variables in a measureable way. <ol style="list-style-type: none"> (1) Independent Variable-the presumed cause is manipulated. (2) Dependent Variable-the outcome characteristic scale. C) Statistical Notation stating the measure being compared across the research conditions for both forms of the hypothesis should be depicted. 3) The Subjects (10 points). Include the number of groups and the number of subjects in each group. Talk about how the groups are formed. 4) The Apparatus (10 pts) used or any supplies needed should be described. This includes all machines or documents used in the study. 5) The Procedure (10 pts) used to manipulate group status should be described so that the treatment of all conditions is clear to the reader. 6) The Statistic (20pts) used to determine the likelihood of each outcome should be named. Omitting a test statistic is a major omission in a statistics paper. Without it, the paper is essentially incomplete. State which test statistic (One of the Zs, Ts or Fs). Specify the form of the test. 7) The Results (10pts) anticipated should be described in terms of the hypotheses. These results are hypothetical as no real subjects will be run. 8) The Conclusions (10 pts) drawn and named by choosing one of two possible statistical Decisions. Either reject the null or fail-to-reject the null hypothesis. These two are the only choices and must be stated that way. <p>The written assignment is to plan an experiment which will include all eight of the steps specified above. The grading rubric includes:</p> <p>Five points will be deducted for each section of the paper that is omitted or incorrect.</p> <p>Choosing the incorrect test statistic will result in ten points deducted.</p> <p>Using a test statistic not allowed will result in 10 points being deducted. The tests not permitted include the independent t test, Cohen's D and Pearson's r.</p> <p>The grade for the proposal is 15% of students' course grades.</p>

Type	Weight	Topic	Notes
MindTap	30%		<p>MindTap activities are worth 30% of graded course work. The HCC Psychology Department requires that all students taking PSYC 2317 do activities in MindTap.</p> <p>There are 14 activities, and each activity is 100 points each. The lowest 4 activities will be dropped from the calculation. The average of the remaining 10 assignments is worth 30% of your grade.</p> <p>You will access MindTap through Canvas.</p> <p>You will be doing the Mastery Training, which require you to take breaks. Mastery Training lets you practice concepts while making you take breaks. Believe me when I tell you that the breaks will help you!</p> <p>Research shows that students who study while taking breaks learn the material better than if they cram it all into one session, and Mastery Training is designed to help students distribute their practice.</p> <p>Students will NOT be able to cram all of these assignments into one session!</p> <p>Remember, the Mastery Training will make you take breaks. Give yourself AT LEAST a couple of days for each assignment.</p> <p>Remember that the assignments will require you to take breaks. I strongly suggest starting these assignments EARLY and doing a little bit each day. You CAN do this!!!</p> <p>Your MindTap is worth 30% of the total course grade.</p>
Final Exam	20%		<p>The Comprehensive final exam is worth 20% of course grade.</p> <p>Your final exam will cover all of the objectives. All students who take PSYC 2317 at HCC must take a comprehensive final exam.</p> <p>The final exam will take place in Eagle Online Canvas.</p> <p>The Comprehensive Final Exam is open book and open note.</p> <p>You will have 120 minutes (two hours) to take the Final Exam.</p> <p>There are 50 questions on the Comprehensive Final Exam.</p> <p>Each question is worth 2 points.</p> <p>The questions will be multiple-choice.</p> <p>You will see one question at a time.</p> <p>You will have ONE attempt at the exam.</p> <p>Questions will not be locked after answering.</p> <p>Quiz results can be reviewed.</p> <p>Correct answers will not be provided.</p> <p>You MUST upload HANDWRITTEN scratch work to Canvas showing your work for the final exam or your exam will incur a 40% penalty. There will be a separate assignment slot for uploading your scratch work for the final exam.</p> <p>The final exam is available according to the course calendar.</p>
Extra Credit	5%		<p>There will be opportunities for extra credit in this course. Please pay attention to announcements in Canvas for more details throughout the semester!</p>

Grading Formula

Grade	Range	Notes
A	90% +	
B	80% - 89%	
C	70% - 79%	
D	60% - 69%	
F	< 60%	

* Instructor's Practices and Procedures

Incomplete Policy

In order to receive a grade of Incomplete ("I"), a student must have completed at least 85% of the work in the course. In all cases, the instructor reserves the right to decline a student's request to receive a grade of Incomplete.

Grades of Incomplete are only given in DIRE emergencies or situations. Students are required to finish their work by the agreed-upon date or the "I" will turn into an "F." Students are responsible for completing their work in a timely manner.

Missed Assignments/Make-Up Policy

All written assignments are available at the start of the semester. Exams are available according to the course calendar.

I do accept late work. However, late assignments and exams have deadlines. Please see the syllabus calendar above for deadlines for late assignments and exams.

Late assignments and exams incur a 10% grade penalty. The score will be multiplied by .9. For example, if you turn in a late assignment that earns a 100:

$$100 * .9 = 90$$

However, the instructor reserves the right to waive the penalty for documented emergencies. Such documented emergencies include but are not limited to:

- Hospitalization of self or close family member—Get doctor's note.
- Death of a family member—Get an obituary or note from the person's doctor. Do NOT send me a death certificate!
- Illness—Get doctor's note.
- Jail Time—Get note from county office.
- Job Related Responsibilities—Get copy of work schedule.
- Travel for Work or Funerals—Get copy of plane tickets.

Please let me know if you have any emergency that comes up so that I may work with you. I will waive the late penalty on a case-by-case basis.

Please note: Taking an exam late is not a retake. When you take an exam late, it is only for missing an exam.

Please refer to the syllabus calendar and Canvas for due dates for late work. You are responsible for the information that is on Canvas and in the syllabus calendar.

Academic Integrity

First Offense: Grade of 0 on the assignment.

Second Offense: Grade of 0 on the assignment and a total percentage penalty of 10%.

Third Offense: Grade of 0 on the assignment, total percentage penalty of 10%, and referral to the Dean of Students for disciplinary action.

Here's the link to the HCC information about academic integrity (Scholastic Dishonesty and Violation of Academic Scholastic Dishonesty and Grievance):

<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-procedures/>
(<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-procedures/>)

Attendance Procedures

TUESDAY, SEPTEMBER 7, 2021 is O/E Date!

You MUST log in to Canvas NO LATER than TUESDAY, SEPTEMBER 7, 2021, at 11:59 PM or be dropped from the class for nonattendance.

The Last Day to Withdraw is FRIDAY, OCTOBER 29, 2021. If you cannot complete the class, you must withdraw through PeopleSoft.

I will not withdraw you from this course unless you request it in writing before the Last Day to Withdraw, FRIDAY, OCTOBER 29, 2021.

Student Conduct

All students are expected to conduct themselves in a manner that is appropriate to a college setting. This means that in order for everyone to have a chance to learn, we must all be respectful to one another. Any racist/homophobic/transphobic slurs or any other disrespectful comments or behavior will not be tolerated and will result in a referral to the Dean of Students.

Also, according to new Title IX reporting requirements, I am required to report any information I receive about sexual assault, dating violence, sexual harassment, or stalking.

Instructor's Course-Specific Information

I prefer to be addressed as Professor Bruton, Professor B, Ms. Bruton, Professor Katherine, Professor K, or Ms. Katherine.

All written assignments will be graded within two weeks of submission. I usually get the grading done within a week; however, there might be times when this takes longer, and I will let you know in a class announcement if that happens.

The multiple-choice exams and quizzes will be graded immediately.

Faculty Statement about Student Success

First things first: You CAN do this!

To be successful in this course, you should expect to spend time outside of class meeting studying.

A good habit is to spend 2 hours studying per every hour of class time.

Although this class is fully online, it is still a good idea to follow a study schedule to make sure that you can also make time for work, family, self-care, other classes, or anything else that is important.

The best way to do this is to set aside two hours, four times a week, for studying. However, this does not mean that you have to study for 2 hours without stopping! You should include breaks into your study time.

Research has shown that students who take breaks while studying tend to retain more information from the content and score higher on exams.

For example, your study session can go like this:

Study for 30 minutes

Break for 10 minutes

Study for 30 minutes

Break for 10 minutes

Study for 30 minutes

Break for 10 minutes

Study for 30 minutes

Break for 10 minutes

During the breaks, you can take a walk, eat a snack, do some breathing exercises, encourage yourself with positive self-talk, or anything else to give your brain a break. Once you get into a pattern of studying, you might try studying for longer intervals.

However, do not forget to take breaks! Also, please check out this video series, "How to Get the Most Out of Studying," by Dr. Stephen Chew at Samford University. You might need to copy and paste the links into your browser.

Video 1: <https://youtu.be/RH95h36NChI>

Video 2: <https://youtu.be/907y7XEC66M>

Video 3: <https://youtu.be/1xeHh5DnClw>

Video 4: <https://youtu.be/E9GrOxhYZdQ>

Video 5: <https://youtu.be/-QVRiMkdRsU>

Faculty-Specific Information Regarding Canvas

This course section will use Canvas (<https://eagleonline.hccs.edu> (<https://eagleonline.hccs.edu>)) to supplement in-class assignments, exams, and activities.

All of your assignments, rubrics, and exams are in Canvas.

HCCS Open Lab locations may be used to access the Internet and Canvas. For best performance, Canvas should be used on the current or first previous major release of Chrome, Firefox, Edge, or Safari. Because it's built using web standards, Canvas runs on Windows, Mac, Linux, iOS, Android, or any other device with a modern web browser.

Canvas only requires an operating system that can run the latest compatible web browsers. Your computer operating system should be kept up to date with the latest recommended security updates and upgrades.

Social Justice Statement

Houston Community College is committed to furthering the cause of social justice in our community and beyond. HCC does not discriminate on the basis of race, color, religion, sex, gender identity and expression, national origin, age, disability, sexual orientation, or veteran status. I fully support that commitment and, as such, will work to maintain a positive learning environment based upon open communication, mutual respect, and non-discrimination. In this course, we share in the creation and maintenance of a positive and safe learning environment. Part of this process includes acknowledging and embracing the differences among us in order to establish and reinforce that each one of us matters. I appreciate your suggestions about how to best maintain this environment of respect. If you experience any type of discrimination, please contact me and/or the Office of Institutional Equity at 713-718-8271.

HCC Policies and Information

HCC Grading System

HCC uses the following standard grading system:

Grade	Grade Interpretation	Grade Points
A	Excellent (90-100)	4
B	Good (80-89)	3
C	Fair (70-79)	2
D	Passing (60-69), except in developmental courses.	1
F	Failing (59 and below)	0
FX	Failing due to non-attendance	0
W	Withdrawn	0
I	Incomplete	0
AUD	Audit	0
IP	In Progress. Given only in certain developmental courses. A student must re-enroll to receive credit.	0
COM	Completed. Given in non-credit and continuing education courses.	0

Link to Policies in Student Handbook

Here's the link to the HCC Student Handbook <https://www.hccs.edu/resources-for/current-students/student-handbook/> (<https://www.hccs.edu/resources-for/current-students/student-handbook/>) In it you will find information about the following:

- Academic Information
- Academic Support
- Attendance, Repeating Courses, and Withdrawal
- Career Planning and Job Search
- Childcare
- disAbility Support Services
- Electronic Devices
- Equal Educational Opportunity
- Financial Aid TV (FATV)
- General Student Complaints
- Grade of FX
- Incomplete Grades
- International Student Services
- Health Awareness
- Libraries/Bookstore
- Police Services & Campus Safety
- Student Life at HCC
- Student Rights and Responsibilities
- Student Services
- Testing
- Transfer Planning

- Veteran Services

Link to HCC Academic Integrity Statement

<https://www.hccs.edu/resources-for/faculty/student-conduct-resources-for-faculty/> (<https://www.hccs.edu/resources-for/faculty/student-conduct-resources-for-faculty/>)

Campus Carry Link

Here's the link to the HCC information about Campus Carry:

<https://www.hccs.edu/departments/police/campus-carry/> (<https://www.hccs.edu/departments/police/campus-carry/>)

HCC Email Policy

When communicating via email, HCC requires students to communicate only through the HCC email system to protect your privacy. If you have not activated your HCC student email account, you can go [to HCC Eagle ID \(https://www.hccs.edu/resources-for/current-students/student-e-maileagle-id/\)](https://www.hccs.edu/resources-for/current-students/student-e-maileagle-id/) and activate it now. You may also use Canvas Inbox to communicate.

Office of Institutional Equity

Use the link below to access the HCC Office of Institutional Equity, Inclusion, and Engagement

(<https://www.hccs.edu/departments/institutional-equity/> (<https://www.hccs.edu/departments/institutional-equity/>))

Ability Services

HCC strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including long and short term conditions, mental health, chronic or temporary medical conditions), please meet with a campus Abilities Counselor as soon as possible in order to establish reasonable accommodations. Reasonable accommodations are established through an interactive process between you, your instructor(s) and Ability Services. It is the policy and practice of HCC to create inclusive and accessible learning environments consistent with federal and state law. For more information, please go to <https://www.hccs.edu/support-services/ability-services/> (<https://www.hccs.edu/support-services/ability-services/>)

Title IX

Houston Community College is committed to cultivating an environment free from inappropriate conduct of a sexual or gender-based nature including sex discrimination, sexual assault, sexual harassment, and sexual violence. Sex discrimination includes all forms of sexual and gender-based misconduct and violates an individual's fundamental rights and personal dignity. Title IX prohibits discrimination on the basis of sex-including pregnancy and parental status in educational programs and activities. If you require an accommodation due to pregnancy please contact an Abilities Services Counselor. The Director of EEO/Compliance is designated as the Title IX Coordinator and Section 504 Coordinator. All inquiries concerning HCC policies, compliance with applicable laws, statutes, and regulations (such as Title VI, Title IX, and Section 504), and complaints may be directed to:

David Cross

Director EEO/Compliance

Office of Institutional Equity & Diversity

3100 Main

(713) 718-8271

Houston, TX 77266-7517 or Institutional.Equity@hccs.edu (<mailto:Institutional.Equity@hccs.edu>)

<http://www.hccs.edu/departments/institutional-equity/title-ix-know-your-rights/> (<http://www.hccs.edu/departments/institutional-equity/title-ix-know-your-rights/>)

Office of the Dean of Students

Contact the office of the Dean of Students to seek assistance in determining the correct complaint procedure to follow or to identify the appropriate academic dean or supervisor for informal resolution of complaints.

<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-complaints/speak-with-the-dean-of-students/> (<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-complaints/speak-with-the-dean-of-students/>)

Student Success

Expect to spend at least twice as many hours per week outside of class as you do in class studying the course content. Additional time will be required for written assignments. The assignments provided will help you use your study hours wisely. Successful completion of this course requires a combination of the following:

- Reading the textbook
- Attending class in person and/or online
- Completing assignments
- Participating in class activities

There is no short cut for success in this course; it requires reading (and probably re-reading) and studying the material using the course objectives as a guide.

Canvas Learning Management System

Canvas is HCC's Learning Management System (LMS), and can be accessed at the following URL:

<https://eagleonline.hccs.edu> (<https://eagleonline.hccs.edu>)

HCCS Open Lab locations may be used to access the Internet and Canvas. For best performance, Canvas should be used on the current or first previous major release of Chrome, Firefox, Edge, or Safari. Because it's built using web standards, Canvas runs on Windows, Mac, Linux, iOS, Android, or any other device with a modern web browser.

Canvas only requires an operating system that can run the latest compatible web browsers. Your computer operating system should be kept up to date with the latest recommended security updates and upgrades.

HCC Online Information and Policies

Here is the link to information about HCC Online classes, which includes access to the required Online Information Class Preview for all fully online classes: <https://www.hccs.edu/online/> (<https://www.hccs.edu/online/>)

Scoring Rubrics, Sample Assignments, etc.

Look in Canvas for the scoring rubrics for assignments, samples of class assignments, and other information to assist you in the course. <https://eagleonline.hccs.edu/login/ldap> (<https://eagleonline.hccs.edu/login/ldap>)

Instructor and Student Responsibilities

As your Instructor, it is my responsibility to:

- Provide the grading scale and detailed grading formula explaining how student grades are to be derived
- Facilitate an effective learning environment through learner-centered instructional techniques
- Provide a description of any special projects or assignments
- Inform students of policies such as attendance, withdrawal, tardiness, and making up assignments
- Provide the course outline and class calendar that will include a description of any special projects or assignments
- Arrange to meet with individual students during office hours, and before and after class as required

As a student, it is your responsibility to:

- Attend class in person and/or online
- Participate actively by reviewing course material, interacting with classmates, and responding promptly in your communication with me
- Read and comprehend the textbook
- Complete the required assignments and exams
- Ask for help when there is a question or problem
- Keep copies of all paperwork, including this syllabus, handouts, and all assignments

- Be aware of and comply with academic honesty policies in the [HCCS Student Handbook \(https://www.hccs.edu/resources-for/current-students/student-handbook/\)](https://www.hccs.edu/resources-for/current-students/student-handbook/)

EGLS3

The EGLS³ ([Evaluation for Greater Learning Student Survey System \(https://www.hccs.edu/resources-for/current-students/egls3-evaluate-your-professors/\)](https://www.hccs.edu/resources-for/current-students/egls3-evaluate-your-professors/)) will be available for most courses near the end of the term until finals start. This brief survey will give invaluable information to your faculty about their teaching. Results are anonymous and will be available to faculty and division chairs after the end of the term. EGLS³ surveys are only available for the Fall and Spring semesters. -EGLS3 surveys are not offered during the Summer semester due to logistical constraints.

<https://www.hccs.edu/resources-for/current-students/egls3-evaluate-your-professors/> (<https://www.hccs.edu/resources-for/current-students/egls3-evaluate-your-professors/>)

Housing and Food Assistance for Students

Any student who faces challenges securing their foods or housing and believes this may affect their performance in the course is urged to contact the Dean of Students at their college for support. Furthermore, please notify the professor if you are comfortable in doing so.

This will enable HCC to provide any resources that HCC may possess.

Student Resources

Tutoring

HCC provides free, confidential, and convenient academic support, including writing critiques, to HCC students in an online environment and on campus. Tutoring is provided by HCC personnel in order to ensure that it is contextual and appropriate. Visit the [HCC Tutoring Services \(https://www.hccs.edu/resources-for/current-students/tutoring/\)](https://www.hccs.edu/resources-for/current-students/tutoring/) website for services provided.

Libraries

The HCC Library System consists of 9 libraries and 6 Electronic Resource Centers (ERCs) that are inviting places to study and collaborate on projects. Librarians are available both at the libraries and online to show you how to locate and use the resources you need. The libraries maintain a large selection of electronic resources as well as collections of books, magazines, newspapers, and audiovisual materials. The portal to all libraries' resources and services is the HCCS library web page at <https://library.hccs.edu> (<https://library.hccs.edu>).

Supplementary Instruction

Supplemental Instruction is an academic enrichment and support program that uses peer-assisted study sessions to improve student retention and success in historically difficult courses. Peer Support is provided by students who have already succeeded in completion of the specified course, and who earned a grade of A or B. Find details at <https://www.hccs.edu/resources-for/current-students/supplemental-instruction/> (<https://www.hccs.edu/resources-for/current-students/supplemental-instruction/>).

Resources for Students:

<https://www.hccs.edu/resources-for/current-students/communicable-diseases/resources-for-students/>
(<https://www.hccs.edu/resources-for/current-students/communicable-diseases/resources-for-students/>)

Basic Needs Resources:

<https://www.hccs.edu/support-services/counseling/hcc-cares/basic-needs-resources/> (<https://www.hccs.edu/support-services/counseling/hcc-cares/basic-needs-resources/>)

Student Basic Needs Application:

https://hccs.co1.qualtrics.com/jfe/form/SV_25WyNx7NwMRz1FH
(https://hccs.co1.qualtrics.com/jfe/form/SV_25WyNx7NwMRz1FH)

COVID-19

Here's the link to the HCC information about COVID-19:

<https://www.hccs.edu/resources-for/current-students/communicable-diseases/> (<https://www.hccs.edu/resources-for/current-students/communicable-diseases/>)

Sensitive or Mature Course Content

In this college-level course, we may occasionally discuss sensitive or mature content. All members of the classroom environment, from your instructor to your fellow students, are expected to handle potentially controversial subjects with respect and consideration for one another's varied experiences and values.

Instructional Modalities

In-Person (P)

Safe, face-to-face course with scheduled dates and times

Online on a Schedule (WS)

Fully online course with virtual meetings at scheduled dates and times

Online Anytime (WW)

Traditional online course without scheduled meetings

Hybrid (H)

Course that meets safely 50% face-to-face and 50% virtually

Hybrid Lab (HL)

Lab class that meets safely 50% face-to-face and 50% virtually

Course Calendar

Syllabus Modifications

The instructor reserves the right to modify the syllabus at any time during the semester and will promptly notify students in writing, typically by e-mail, of any such changes.

Notice: This is a tentative syllabus, and this syllabus is subject to change between now and the first day of class, August 23.

Week	Date	Topic/What's Due
Week 1	Aug 23 - 29	MONDAY, AUGUST 23 - Semester Begins! You CAN do this! Introduction to Class - Get acquainted with Canvas, the textbook, and MindTap!
Week 2	Aug 30 - Sept 5	Chapter 1 - Introduction to Statistics
Week 3	Sept 6 - 12	MONDAY, SEPTEMBER 6 - Labor Day! Chapter 2 - Frequency Distributions TUESDAY, SEPTEMBER 7, 2021 - O/E Date (Official Day of Record) Academic Integrity Pledge and Hope Activity due TUESDAY, SEPTEMBER 7, at 11:59 PM.

Week 4	Sept 13 - 19	Chapter 3 - Central Tendency
Week 5	Sept 20 - 26	Chapter 4 - Measures of Variability Exam 1 Opens FRIDAY, September 24 at 12:00 AM
Week 6	Sept 27 - Oct 3	Chapter 5 - Z-Scores
Week 7	Oct 4 - 10	Chapter 6 - Probability
Week 8	Oct 11 - 17	Chapter 7 - Sampling Distributions
Week 9	Oct 18 - 24	Chapter 8 - Hypothesis Testing Exam 2 Opens FRIDAY, OCTOBER 22 at 12:00 AM
Week 10	Oct 25 - 31	Chapter 9 - Single-Sample t-Test FRIDAY, OCTOBER 29, 2021 - Last Day to Withdraw
Week 11	Nov 1 - 7	Chapter 10 - Independent Measure t-Test Exam 3 Opens FRIDAY, NOVEMBER 5 at 12:00 AM
Week 12	Nov 8 - 14	Chapter 12 - ANOVAs
Week 13	Nov 15 - 21	Chapter 13 - Two-Factor ANOVA Written Assignment: Proposal due SUNDAY, November 21 at 11:59 PM Exam 4 Opens FRIDAY, NOVEMBER 19 at 12:00 AM
Week 14	Nov 22 - 28	THANKSGIVING BREAK - November 25 -28
Week 15	Nov 29 - Dec 5	Chapter 14 - Correlation and Regression (Will appear on final exam.) Chapter 15 - Chi Square (Will appear on final exam.) All Exams Due SUNDAY, DECEMBER 5 at 11:59 PM All Extra Credit Due SUNDAY, DECEMBER 5, at 11:59 PM All Late Assignments due SUNDAY, DECEMBER 5, at 11:59 PM

Week 16	Dec 6 - 12	All MindTap due MONDAY, DECEMBER 6, at 11:59 PM Final Exam Opens Monday, December 6 at 12:00 AM Final Exam Due and Closes FRIDAY, DECEMBER 10 at 11:59 PM SUNDAY, DECEMBER 12 - Semester Ends! Great work!
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Additional Information

Psychology Program Information

Visit the [Psychology Program Pages](#) on the HCC Learning Web for information about our faculty and courses. You will also find information about majoring in psychology.

Psychology Field of Study

[The Field of Study curriculum for Psychology](#) is an 18-credit-hour set of lower division courses that must be applied to a bachelor's degree in Psychology, regardless of degree designation. If a student successfully completes a field of study for an established degree program, the student may transfer that block of courses for full academic credit. The transferred field of study courses must be substituted for the receiving institution's lower-division requirements for the discipline degree program into which the student transfers. If a student completes only part of the field of study, then credit for those courses must also apply toward the major.

- PSYC 2301 General Psychology
- PSYC 2314 Lifespan Growth & Development
- PSYC 2317 Statistical Methods in Psychology
- PSYC 2319 Social Psychology
- PSYC 2320 Abnormal Psychology
- PSYC 2330 Biological Psychology

Associate in Science in Psychology

HCC students may earn an Associate in Science (A.S.) degree in psychology by completing the approved [degree plan](#) (<https://learning.hccs.edu/programs/psychology/majoring-in-psychology-1>).

Student Organizations

Psi Kappa

All students are invited to join Psi Kappa, an organization that can help students learn about psychology outside the classroom, serve the community, meet students in other PSYC classes, interact with PSYC faculty, and learn leadership skills.

Psi Beta

HCC has an active chapter of Psi Beta: National Honor Society in Psychology for Community and Junior Colleges. To learn more about this organization visit the [Psi Beta](#) website. For information about the HCC chapter, visit the [Psi Beta page](#) on the HCC Learning Web.

HCC Foundation

Psychology Achievers Scholarship

To be eligible for the \$125 per semester Psychology Achievers Scholarship, a student must (1) meet all HCC Foundation criteria for scholarship eligibility, and (2) make an A in either PSYC 2301 or PSYC 2314.

Psychology Fund of Excellence

The HCC Psychology Department has established a Fund of Excellence with the HCC Foundation. The purpose of this fund is to support the mission of the Psychology Department and HCC Psychology students. The funds supports a range of initiatives to improve the academic success of our Psychology students during their time at HCC, such as assisting students with partial support for the national membership fee for Psi Beta (see above) and other program expenses. Students may request support from the Psychology Fund of Excellence by contacting the Psychology Department Chair, Dr. Karen P. Saenz (karen.saenz@hccs.edu).

Process for Expressing Concerns about the Course

If you have concerns about any aspect of this course, please reach out to your instructor for assistance first. If your instructor is not able to assist you, then you may wish to contact the Department Chair.

Dr. Carol Watson

Carol.Watson@hccs.edu

713-718-6536