



**Division of Social and Behavioral Sciences  
Department of Psychology  
Dr. Saira Rab**

**A. Course and Instructor Information**

<b>A.1 Course</b>	PSYC 2317: Statistical Methods in Psychology
<b>A.2 Hours</b>	3-hour lecture course/3 semester credit hours/48 contact hours per semester
<b>A.2 Weeks</b>	16 Weeks
<b>A.3 CRN</b>	59270
<b>A.4 Term</b>	Regular Spring Term)
<b>A.5 Year</b>	2018
<b>A.6 Day(s)</b>	Saturdays
<b>A.7 Time</b>	8 am – 10:50 am , Room 207
<b>A.8 Mode</b>	In-Person
<b>A.9 Instructor</b>	Dr. Saira Rab
<b>A.10 Instructor Contact Information</b>	saira.rab@hccs.edu
<b>A.11 Office Location and Hours</b>	By appointment only. Please feel free to contact me concerning any problems that you are experiencing in this course. You do not need to wait until you have received a poor grade before

	asking for my assistance. Your performance in my class is very important to me. I am available to hear your concerns and just to discuss course topics.
<b>A.12 Email Policy</b>	HCCS policy requires instructors and students to communicate only through the HCCS email system. If you have not activated your HCCS student email account, click “First-time User” on <a href="#">this page</a> . I reply within 24 hours and can be reached via my HCCS email only.
<b>A.13 Course Description</b>	PSYC 2317 is an introduction to the use of scientific methods in psychology and to the statistical analysis of data. Attention is given to descriptive and inferential statistical methodology including t-tests, analysis of variance, correlation and regression.
<b>A.14 Prerequisites</b>	PSYC 2317 requires MATH 0312 (or higher). Students must be placed into college-level reading (or take INRW 0420 or ESOL 0360 as a co-requisite and be placed into MATH 0312 or higher. 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 <a href="#">HCC Student Handbook</a> .
<b>B. Student Learning Outcomes</b>	
<b>B.1 Psychology Program Student Learning Outcomes (PSLOs)</b>	<ol style="list-style-type: none"> <li>1. Define, discuss, and apply key terms and concepts that are essential to success in upper division psychology courses (e.g., abnormal psychology, history and systems of psychology, advanced learning theory, developmental psychology, industrial/organizational psychology).</li> <li>2. Outline, define, discuss, and apply the steps of the scientific method.</li> <li>3. Define, discuss, and apply key terms and concepts associated with descriptive and experimental research methods.</li> <li>4. Define, discuss, and apply psychological terms and concepts that are commonly found in news reports, self-help literature, parenting literature, and psychotherapy.</li> </ol>
<b>B.2 Core Curriculum Objectives (CCOs) for all PSYC Core Courses</b>	<p>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:</p> <ul style="list-style-type: none"> <li>• <b>Critical Thinking:</b> 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.</li> <li>• <b>Communication Skills:</b> 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.</li> <li>• <b>Quantitative and Empirical Literacy:</b> 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 that pertain to Course Student Learning Outcome #2 above.</li> <li>• <b>Social Responsibility:</b> 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 that pertain to Course Student Learning Outcome #4 above.</li> </ul>
<b>B.3 PSYC 2317</b>	<ol style="list-style-type: none"> <li>1. Identify and interpret common statistical notation, the outcomes of inferential tests and the concept of statistical significance.</li> </ol>

<b>Course Student Learning Outcomes (CSLOs)</b>	<ol style="list-style-type: none"> <li>2. Select, explain and utilize common research designs including experimental methods, quasi-experimental methods and correlational techniques.</li> <li>3. Demonstrate understanding of the concepts of probability using the statistical tables.</li> <li>4. Calculate basic inferential statistics, including z-tests, t-tests, ANOVA, correlation coefficients, and simple linear regression.</li> <li>5. Use the appropriate t-test for a data set, including knowledge of single sample and independent samples t-tests.</li> <li>6. Conduct hypothesis tests with ANOVA (Independent Measures and Two-Factor).</li> </ol>
<b>B.4 PSYC 2317 Learning Objectives</b>	<p>To view or download the learning objectives for this course, visit the page below.  <a href="https://learning.hccs.edu/programs/psychology/psyc-course-student-learning-outcomes-and-learning-objectives/psyc-2317-statistical-methods-in-psychology">https://learning.hccs.edu/programs/psychology/psyc-course-student-learning-outcomes-and-learning-objectives/psyc-2317-statistical-methods-in-psychology</a></p>
<b>C. Instructional Methods and Materials</b>	
<b>C.1 Success in the Course</b>	<p>As with any three-hour course, you should expect to spend <i>at least six hours per week</i> outside of class reading and studying the material. I will provide assignments to help you use those six hours per week wisely. Additional time will be required for the written assignment. Successful completion of this course requires a combination of reading the textbook, attending class, completing assignments in Eagle Online, and participating in class discussions. 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.</p>
<b>C.2 Eagle Online Canvas</b>	<p>This section of PSYC 2317 will use Eagle Online Canvas to supplement in-class assignments, exams, and activities. This course uses Eagle Online Canvas for all assignments via Aplia, please log into Eagle Online Canvas at least twice a week, preferably before class. HCCS Open Lab locations may be used to access the Internet and Eagle Online Canvas. Visit the page below and click “Resources for Online Students” for information about system requirements and login procedures for accessing Canvas.  <a href="https://learning.hccs.edu/programs/psychology/online-resources-for-students">https://learning.hccs.edu/programs/psychology/online-resources-for-students</a></p>
<b>C.3 Instructional Materials</b>	<p><b><u>Textbook</u></b>  <i>Essentials of Statistics for the Behavioral Sciences</i> (8<sup>th</sup> Edition) with Aplia Access Code by F. Gravetter and Larry Wallnau ISBN-10: 1133956572</p>
<b>C.4</b>	<p>See “How to Access Your Aplia Course” on the last page of this syllabus . APLIA will be used to enhance your statistical practice and is required for this course. The bookstore can provide you the best package cost for the textbook and APLIA account. We will have a how-to register for APLIA information session in the second week of class. Please be present for that as all your questions will be answered then!</p>
<b>D. Exams, Assignments, and Grading Information</b>	
<b>D.1 Exams</b>	<ul style="list-style-type: none"> <li>• An in-class midterm will be provided. It will cover Ch. 1 – 8 and will be 50 multiple choice questions. For this midterm, you will need to bring a calculator and scratch piece of paper to class.             <ol style="list-style-type: none"> <li>a. The midterm will be held in class and each question is worth 2 points.</li> </ol> </li> </ul>

<b>D.2 Written Assignment(s)</b>	<ul style="list-style-type: none"> <li>A short summary paper on statistics in psychological research will be submitted on Eagle Online Canvas, the prompt will be available later and must be written in APA style. The rubric is also attached to the Eagle Online Canvas assignment page. This Statistics Article Summary is Due May 9<sup>th</sup> online, no hard copies please. <u>No late paper will be accepted as you can start on this written paper during the beginning of the semester. This assignment is worth 200 points!</u></li> </ul>																
<b>D.3 Graded In-Class Activities</b>	<ul style="list-style-type: none"> <li>There will be at least 13 sign in sheets and this is required attendance proof. Please sign in at the start of class and do not forget to sign in as you will be counted as absent. The sign in sheets will prove that you were in class to complete the activities. I will give 10 points to cover at least one absence – due to illness or personal issues. I understand life happens, but you signed up for this Saturday morning course, please attend regularly.</li> </ul>																
<b>D.4 Graded Online Activities</b>	<ul style="list-style-type: none"> <li>All students must complete assignments that I provide in class. They are non-graded assignments but will greatly assist you during the assignments, exams, and final exam preparation.</li> </ul>																
<b>D.5 Other Assignments</b>	<p>All students must complete assignments on Aplia and I will include Aplia grades in your course grading formula. Each assignment is DUE EACH WEEK BEFORE SUNDAY BY 11:45 PM. Log into your APLIA account to seek the due dates for each of the assignments</p>																
<b>D.6 Comprehensive Final Exam</b>	<p><b><u>APLIA Final Exam.</u></b></p> <ul style="list-style-type: none"> <li>All students in PSYC 2317 are required to take a comprehensive final exam.</li> <li>The exam will be administered in class in accordance with the HCC Final Exam Schedule (See Course Calendar for date and time).</li> <li>This final Exam covers nearly 20% of your overall grade, each question is worth 4 points.</li> <li>There is no time limit on the online APLIA final exam, it contains 50 questions and must be completed in one-sitting before midnight by 5/12</li> </ul> <p>The Exam is scheduled on the last Saturday of the semester, if you know you cannot make it, please contact the instructor as soon as possible. No late make-ups are possible for the Final Exam due to semester closing. .</p>																
<b>D.7 Extra Credit</b>	<ul style="list-style-type: none"> <li>Possible EXTRA CREDIT is available if you submit proof of Faculty Evaluation that will be available mid-semester. More information about this will be discussed in class.</li> </ul>																
<b>D.8 Grading Formula</b>	<table border="1" data-bbox="480 1392 1393 1780"> <thead> <tr> <th>Exams/Assignments/Other Activities</th> <th>Points</th> </tr> </thead> <tbody> <tr> <td>Midterm</td> <td>100</td> </tr> <tr> <td>Written Assignment</td> <td>200</td> </tr> <tr> <td>Graded In-Class Activities Sign in Sheets</td> <td>140</td> </tr> <tr> <td>Graded Online Activities - Twelve APLIA assignments @ 30 points each. Full participation and completion gives you the full points – please complete these assignments before the due date each week!</td> <td>360</td> </tr> <tr> <td>Comprehensive Final Exam</td> <td>200</td> </tr> <tr> <td><b>Total</b></td> <td>1000</td> </tr> <tr> <td>Maximum Extra Credit</td> <td>25 points</td> </tr> </tbody> </table>	Exams/Assignments/Other Activities	Points	Midterm	100	Written Assignment	200	Graded In-Class Activities Sign in Sheets	140	Graded Online Activities - Twelve APLIA assignments @ 30 points each. Full participation and completion gives you the full points – please complete these assignments before the due date each week!	360	Comprehensive Final Exam	200	<b>Total</b>	1000	Maximum Extra Credit	25 points
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D	69-60%	1 point per semester
F	<60%	0 points per semester
FX	Failure due to non-attendance	0 points per semester
IP (In Progress)		0 points per semester
W (Withdrawn)		0 points per semester
I (Incomplete)		0 points per semester
AUD (Audit)		0 points per semester

IP (In Progress) is given only in certain developmental courses. The student must re-enroll to receive credit. COM (Completed) is given in non-credit and continuing education courses. To compute grade point average (GPA), divide the total grade points by the total number of semester hours attempted. The grades “IP,” “COM” and “I” do not affect GPA.

**D.10  
Makeup Policy**

I may allow makeups on a case-by-case basis. The department strongly encourages instructors to allow students to make up exams and assignments that they miss due to a documented emergency. Therefore, all make-up assignments or exams require documentation.

Please note: a makeup exam is not a retake. That is, makeup exams are only allowed for missed exams. You are responsible for the grade you get on your exams and assignments.

**D.11  
Incomplete  
Grades**

In order to receive a grade of Incomplete (“I”), you 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.

**D.12  
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.

**E. Policies, Student Services, and Student Resources**

**E.1  
Instructor  
Responsibilities**

- Provide the grading scale and detailed grading formula explaining how student grades are to be derived
- Facilitate an effective learning environment through class activities, discussions, and lectures
- 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

**E.2  
Student  
Responsibilities**

- Attend class and participate in class discussions and activities
- 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
- Attain a raw score of at least 50% on the departmental final exam
- Be aware of and comply with academic honesty policies in the [HCCS Student Handbook](#)

**E.3  
Attendance**

You are encouraged to attend each class since regular attendance correlates with good grades. Be on time and attend the entire class. If you must be absent, you are, of course, responsible for the material covered in class in your absence (see the Course Calendar). Be advised that

	instructors must drop students who fail to attend class by the official date of enrollment (“Census Day”). In addition, instructors may drop students who miss six hours of class time.
<b>E.4 Withdrawal</b>	If you decide to withdraw from the course, it is your responsibility to do so online via the PeopleSoft student management system. If you need assistance, visit the counselors’ office on your campus. You may wish to discuss your decision to withdraw from the class with your instructor beforehand.
<b>E.5 Classroom Conduct</b>	I expect students to conduct themselves professionally in their communications with me, their classmates, and college staff and administration. Behavior inappropriate to the collegiate setting (including but not limited to abusive/derogatory/threatening/harassing language directed at the instructor or towards other students, staff or administrators) will not be tolerated, and may result in removal from the course if severe and/or repeated.
<b>E.6 Scholastic Dishonesty</b>	Students are responsible for conducting themselves with honor and integrity in fulfilling course requirements. Penalties and/ or disciplinary proceedings may be initiated by college district officials against a student accused of scholastic dishonesty. “Scholastic Dishonesty” includes, but is not limited to, cheating on a test, plagiarism and collusion. Possible punishments for academic dishonesty may include a grade of “0” or “F” on the particular assignment, failure in the course, and/or recommendation for probation or dismissal from the college district. A recommendation for suspension or expulsion will be referred to the college Dean of Instruction for disciplinary disposition. Students have the right to appeal the decision.
<b>E.7 Use of Electronic Devices</b>	The use of electronic devices by students in the classroom is up to the discretion of the instructor. Any use of such devices for purposes other than student learning is strictly prohibited. If an instructor perceives such use as disruptive and/or inappropriate, the instructor has the right to terminate such use. If the behavior continues, the student may be subject to disciplinary action to include removal from the classroom or referral to the dean of student services.
<b>E.8 Student Organizations</b>	<p><b><u>Psi Kappa</u></b> 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. For more information, visit the <a href="#">Psi Kappa page</a> on the HCC Learning Web, the <a href="#">Psi Kappa blog</a>, and the <a href="#">Psi Kappa Facebook</a> page.</p> <p><b><u>Psi Beta</u></b> 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 <a href="#">Psi Beta</a> website. For information about the HCC chapter, visit the <a href="#">Psi Beta page</a> on the HCC Learning Web.</p>
<b>E.9 Psychology Department Student Resources Web Page</b>	<p>Visit the <a href="#">Psychology Department Student Resources Web Page</a> for information about and links to the items listed below. Links to other important and useful resources that contain information about HCC policies, procedures, and student resources are posted there as well.</p> <p><b><u>HCC Foundation: Psychology Achievers Scholarship</u></b> 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.</p> <p><b><u>Tutoring</u></b></p>

HCC provides free, confidential, and convenient academic support 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.

**HCC Student Handbook**

All students are responsible for reading and understanding the HCCS Student Handbook, which contains policies, information about conduct, and other important information.

**Student Rights, Responsibilities, and Procedures**

All students are responsible for reading and understanding the Student Rights, Responsibilities and Procedures.

**HCC Online Student Handbook**

In addition to being responsible for familiarity with the content of the HCC Student Handbook and Student Rights, Responsibilities, and Procedures, students who are taking online classes are responsible for reading and understanding the HCC Online Student Handbook, which contains policies, information about student conduct in the virtual classroom, and other important information.

**EGLS<sub>3</sub> Evaluation for Greater Learning Student Survey System**

The EGLS<sub>3</sub> 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. EGLS<sub>3</sub> surveys are only available for the Fall and Spring semesters. There are no EGLS<sub>3</sub> surveys during the Summer semester due to logistical reasons.

**Title IX Policies**

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:

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

**Campus Carry**

At HCC the safety of our students, staff, and faculty is our first priority. As of August 1, 2017, Houston Community College is subject to the Campus Carry Law (SB11 2015).

**E.10  
Services for  
Students with  
Disabilities**

HCC strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including 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.

Houston Community College is dedicated to providing an inclusive learning environment by removing barriers and opening access for qualified students with documented disabilities in compliance with the Americans with Disabilities Act (ADA) and Section 504 of the

Rehabilitation Act. Ability Services is the designated office responsible for approving and coordinating reasonable accommodations and services in order to assist students with disabilities in reaching their full academic potential. In order to receive reasonable accommodations or evacuation assistance in an emergency, the student must be registered with Ability Services.

If you have a documented disability (e.g. learning, hearing, vision, physical, mental health, or a chronic health condition), that may require accommodations, please contact the appropriate Ability Services Office below. Please note that classroom accommodations cannot be provided prior to your Instructor's receipt of an accommodation letter and accommodations are not retroactive. Accommodations can be requested at any time during the semester, however if an accommodation letter is provided to the Instructor after the first day of class, sufficient time (1 week) must be allotted for the Instructor to implement the accommodations.

Services for Students with Disabilities Web Page  
<http://www.hccs.edu/support-services/disability-services/>

- Central College**  
713.718.6164
- Coleman College**  
713-718-7376
- Northeast College**  
713-718-8322
- Northwest College**  
713-718-5422  
713-718-5408
- Southeast College**  
713-718-7144
- Southwest College**  
713-718-5910
- Adaptive Equipment/Assistive Technology**  
713-718-6629  
713-718-5604
- Interpreting and CART services**  
713-718-6333

<b>E.11 Psychology Department Chair</b>	Dr. Karen Saenz <a href="mailto:Karen.Saenz@hccs.edu">Karen.Saenz@hccs.edu</a> 713-718-7180
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**F. Course Calendar**

REGULAR TERM		
Week	Dates	Chapter/Topic/What's Due
1	Jan. 20 <sup>th</sup>	Introduction + Syllabus review Ch. 1 lecture
	Jan. 29 <sup>th</sup>	<i>OE Day - Official Day of Record</i>
2	Jan. 27 <sup>th</sup>	Ch. 2 lecture Get access to APLIA via Eagle Online Canvas assignments
3	Feb 3 <sup>rd</sup>	Ch. 3 lecture Ch. 1 and Ch. 2 APLIA assignment due 2/4



4	Feb. 10	Ch. 4 lecture Ch. 3 APLIA assignment due 2/11
5	Feb. 17	Ch. 5 lecture Ch. 4 APLIA assignment due 2/18
6	Feb. 24	Ch. 6 lecture Ch. 5 APLIA assignment due 2/25
7	March 3	Ch. 7 lecture Ch. 6 APLIA assignment due 3/4
8	March 10	Ch. 8 lecture Ch. 7 APLIA assignment due 3/11
	March 12-18	<b>SPRING BREAK! No class!</b>
9	March 24	<b>In-class midterm!</b> Bring calculator and pencil/paper. Ch. 8 APLIA assignment due 3/25
10	March 31	Ch. 9 lecture Ch. 9 APLIA assignment due 4/1
	April 3	<b>Last day to Withdraw from Class with a W</b>
11	April 7	Ch. 10 lecture Ch. 10 APLIA assignment due 4/8
12	April 14	Ch. 12 lecture Ch. 12 APLIA Assignment due 4/22
13	April 21	Ch. 13 lecture
14	April 28	Ch. 14 lecture Ch. 14 APLIA assignment due 4/29
15	May 5	<b>No class!</b> Study for Final Exams! <u>Statistics article summary Due 5/6</u> - upload before midnight on eagle online canvas. No late papers accepted!
16	May 12	<b>APLIA ONLINE FINAL EXAM DUE BEFORE MIDNIGHT 5/12</b>

## How to Access Your Aplia Course

### What is Aplia?

In just 10 years, more than one billion answers have been submitted through Aplia, the premier online assignment solution. Millions of students use Aplia to better prepare for class and for their exams. Join them today!

### Registration

1. Connect to Eagleonline.hccs.edu
2. Follow the prompts to register for your Aplia course by clicking assignments.

### Payment

After registering for your course, you will need to pay for access using one of the options below:

**Online:** You can pay online using a credit or debit card, or PayPal.

**Bookstore:** Textbooks packaged with an Aplia access code are available in the HCC bookstore.

**Free Trial:** You will be offered a free trial of Aplia during the registration process. Use this option if you are unable to obtain a textbook and Aplia access at the beginning of the semester. Later, you will be able to convert your free trial to paid access. You will not have to set up a new Aplia account.

Please note: At the end of the free trial period, your course access will be suspended until your payment has been made. All your scores and course activity will be saved and will be available to you after you pay for access.

If you already registered an access code or bought Aplia online, the course key to register for this course is: 5533-XQBV-DQUX

### System Check

To check whether your computer meets the requirements for using Aplia, go to <http://www.aplia.com/support/sysreq.jsp>.