

**Psychology 242**  
**Introduction to Research Methods in Psychology**  
**Spring 2022**  
**CRN 14661**

Instructor: Dr. Julie J. Chen	Email: jchen10@uic.edu
Student Drop-in hour: W 9 – 10am @ Zoom <a href="https://uic.zoom.us/j/9886337102?pwd=Z1pyaU9uWS91TWJ5U29ka2VQWm5Ldz09">https://uic.zoom.us/j/9886337102?pwd=Z1pyaU9uWS91TWJ5U29ka2VQWm5Ldz09</a>	
Lecture time: MW 1 – 1:50pm @ Lecture Center D1 Discussion: Friday (time varies, check your registration record)	
Format of class: <p>In Spring 2022, Psch 242 is scheduled to meet in-person for both the lecture portion and the discussion portion. However, the pandemic makes the situation very fluid and we might need to make adjustments from time to time. If anything changes, I will email the class as soon as I'm notified. Please check your email frequently to be kept up-to-date. We will closely monitor the situation and observe the UIC protocols.</p>	
In-person classes Covid-related protocols: <ul style="list-style-type: none"><li>• Vaccination is required for all on-campus classes. Individuals who have a vaccination exemption will be required to participate in the Covid-19 saliva testing program;</li><li>• Indoor masking is required for everyone regardless of your vaccination status;</li><li>• All are required to take a re-entry Covid test before returning to campus;</li><li>• All are required to get a Covid vaccine booster once they are eligible</li></ul> Please read the full UIC Covid guidance carefully before you resume in-person classes: <a href="https://dos.uic.edu/community-standards/uic-covid-19-guidance/">https://dos.uic.edu/community-standards/uic-covid-19-guidance/</a> <a href="https://today.uic.edu/spring-semester-online-start-and-testing-updates">https://today.uic.edu/spring-semester-online-start-and-testing-updates</a> <a href="https://today.uic.edu/return-to-campus-reminders-and-booster-shot-requirement">https://today.uic.edu/return-to-campus-reminders-and-booster-shot-requirement</a> <ul style="list-style-type: none"><li>• Students who test positive for Covid-19 or who are exposed to infection should follow the UIC isolation and quarantine protocol <a href="https://today.uic.edu/isolation-and-quarantine">https://today.uic.edu/isolation-and-quarantine</a></li></ul> Missed attendance/assignments/exam due to Covid-related isolation and quarantine will be accommodated. Please discuss the details with your TA or your Professor.	

Teaching Assistants & TA office hours:

TA	Section	Office Hours
Hafsah Tauseef <a href="mailto:hafsah@uic.edu">hafsah@uic.edu</a>	CRN 14658, 8am @ ETMSW 2233 CRN 31087, 9am @ BSB 215	By appointment
Noor Elagha <a href="mailto:nelagh2@uic.edu">nelagh2@uic.edu</a>	CRN 14651, 10am @ BSB 289 CRN 14652, 12pm @ BSB 289	By appointment
Devante Sloan <a href="mailto:dsloan2@uic.edu">dsloan2@uic.edu</a>	CRN 14653, 2pm @ ETMSW 2219 CRN 14654, 3pm @ BSB 281	By appointment

**Buildings: BSB = Behavioral Science Building**

**ETMSW = Education, Theater, Music, & Social Work**

<https://maps.uic.edu/>

**Overview:**

This course is designed to provide an overview of the most widely used methods employed by psychologists and other behavioral scientists. You will get a basic understanding of the strengths and weaknesses of the various research strategies used by psychologists so that you can become an informed consumer of research both in the behavioral science literature and in the media. In addition, you will begin developing a set of research skills that will prepare you for more advanced study in the behavioral sciences.

**Required materials:**

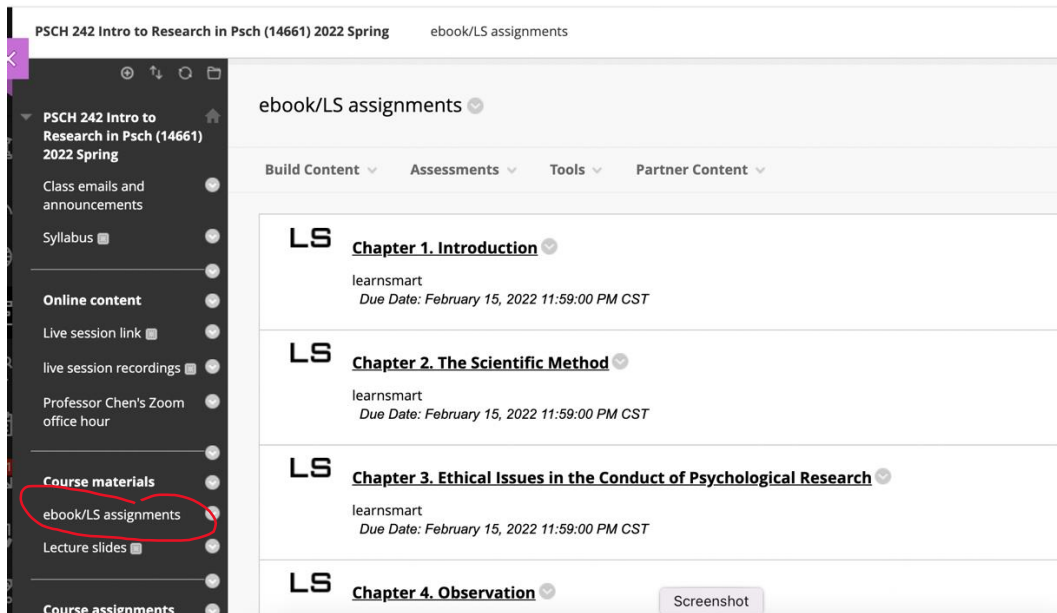
1. Connect access for Research Methods in Psychology (10<sup>th</sup> edition) by Shaughnessy & Zechmeister. The access code can be purchased from the UIC bookstore. Or you can purchase it directly from the publisher's website the first time you link to the Psch 242 Connect site via Blackboard.
2. A basic calculator. The last two chapters will involve some simple mathematical calculation. You should prepare a calculator. Any model of calculator is acceptable – anywhere from a \$10 model you can get at a grocery store to a more advanced graphing calculator is acceptable. You are not allowed to use any other electronic devices other than your calculator during an exam.

## Grades breakdown and explanation

### 1. Weekly Homework assignments (180 total points):

#### 1) *Learn Smart (LS) Assignments on Connect (150 pts)*

Learn Smart assignments can be found on our course site on McGraw Hill Connect. The most straightforward way to access LS assignments is through the direct link on blackboard. See the screenshot below:



There is one assignment for each chapter. Each assignment is worth 10 – 20 points and takes about 10 – 20 minutes to complete. When you work on an LS assignment, questions will be randomly pulled from a question bank and presented to you. There are a certain number of questions you need to answer correctly for each LS assignment – the number is proportionate to the number of points the assignment is worth. Questions answered incorrectly do not count. There is no penalty for incorrect answers. You will earn full credit if you've completed ALL the required number of questions. You will earn no point for partially completed LS assignment. You can always return to a partially completed LS assignment – the system will pick up from where you left off.

Your grade will be recorded on Connect and synchronize to Blackboard within 24 hours. If an assignment does not synch to Blackboard after 24 hours, please get a screenshot of your Connect record and send it to your TA or your Professor. We can manually enter the credit on Blackboard.

LS assignments are due in bulks. LS 1-5 are due on 02/15 (the day before Exam 1). LS 6-9 are due on 03/29 (the day before Exam 2). LS 10 is due on 04/29 (last day of class). However, you are encouraged to complete LS assignment on a weekly basis (after a chapter is covered in class, complete the LS assignment of that chapter) to maximize your learning outcome.

Direct access link to the ebook:

<https://accounts.mheducation.com/connect/section/j-chen-psch-242-spring-2022---mw1pm-lecture?app=newconnect.mheducation.com>

## 2) *Written Homework assignment (30 points)*

In the last two chapters, we will cover some simple statistical calculations. You will work on written assignments for these two chapters. One assignment for each chapter. Please **SHOW YOUR WORK** on your written assignments.

There are two ways to submit your written homework. Either method is acceptable

- a. Type it up. Make sure to include all applicable formulae in their correct format. Include your name on the file and submit it on Blackboard.
- b. Write it up, and then photograph (or scan) your written homework and submit it on Blackboard. If this is your preferred method of submission, please convert your homework file into a pdf first. Please make sure the image of your homework is clearly readable, the orientation of the image is right side up. If there are multiple pages, label the pages in numerical order, and try to append them into one file if you can. Unreadable homework submission will not be accepted.

## 2. **Weekly quizzes (approximately 50 points)**

I will administer in-class pop quizzes. There will be one quiz approximately every week (per chapter). Each quiz is worth 4 to 6 points. Quizzes will be collected on Blackboard. A quiz will be available from the time it's given in class to the end of the day (11:59pm) the same day. It's possible more than 50 points of quizzes will be offered. In that case, the additional points will be counted as extra credit points.

The quizzes are open notes.

There is no make-up allowed for the pop quizzes.

## 3. **Three exams (200 total points) – see the exam dates in the course schedule at the end of this syllabus.**

Exam 1 covers chapter 1 – 5: 50 points

Exam 2 covers chapter 6 – 9: 50 points

Final exam is cumulative: 100 points

The format of the first two exams will be multiple choices; the format of the Final will be a combination of multiple choices, fill-in-the-blanks, true or false, and short answers.

The exams will be scheduled in-person unless otherwise noted. We will use a scantron for the MC questions. Please prepare a pencil.

All exams are closed notes.

**4. Discussion section attendance (14 x 5 points = 70 points, plus possible extra credit points)**

Every Friday, there is a discussion section led by a TA that you are required to attend. You will have the opportunity to practice what you've learned in lectures in a much smaller setting. You are encouraged to participate in the discussion and exercise your knowledge.

You must attend the full session to earn your attendance point. If you are late or need to leave early for any reason, you must get your TA's permission to get your attendance credit. You are required to attend 14 sessions. There are a total of 15 sessions. This means you can miss one session with no questions asked. If you attend more than 14, the additional one will be counted as extra credits.

**Total possible points = 180 + 50 + 200 + 70 = 500**

**Letter grade scale**

Your grade will be assigned according to the following scale.

A	450 pts or above	C	350 – 399 pts	F	299 pts or below
B	400 – 449 pts	D	300 – 349 pts		

**Course Policies:**

**Makeup exam policy**

Makeup exams can be considered when there is a documented medical or family emergency. In case of these situations, you must contact me IN ADVANCE.

**Blackboard**

We will use Blackboard for course materials/announcements distribution and grade posting, etc..

**Student Drop-in hour and Appointments**

During the hour listed on my syllabus for students to drop in, you are welcome to drop in to my Zoom office

hour without an appointment. If there are multiple people in the room, please follow the “first come first serve” rule.

### **Email Policy**

Please ALWAYS include the course information (Psch 242) in your email subject or email body to avoid confusion on my part. And please sign your full name in your email.

### **Religious Holidays:**

Religious holidays are respected. If you need accommodations for religious reasons please contact me **in advance**. Arrangements can be made on individual basis.

### **Student Athletes:**

Student athletes are required to provide the list of days that they will miss throughout the semester. Other accommodations such as exams on the road or paper extension may be arranged with the assistance of the Athletic Office.

### **Special Accommodations:**

UIC is committed to full inclusion and participation of people with disabilities in all aspects of university life. Students who face or anticipate disability-related barriers while at UIC should connect with the Disability Resource Center (DRC) at [drc.uic.edu](http://drc.uic.edu), [drc@uic.edu](mailto:drc@uic.edu) or at (312) 413-2183 to create a plan for reasonable accommodations. In order to receive accommodations, students must disclose disability to the DRC, complete an interactive registration process with the DRC, and provide their course instructor with a Letter of Accommodation (LOA). Course instructors in receipt of an LOA will work with the student and the DRC to implement approved accommodations.

### **Additional Assistance:**

It is my job to help you succeed in this class. It is your job to try. Please take full advantage of me and the TAs' office hours. Never hesitate to bring forward a question. If you feel that you need additional sources of help, you may also consult the:

- Writing center <http://www.uic.edu/depts/engl/writing/>

### **Academic Integrity**

No electronic devices are allowed during exams except your calculator. Usage of them during a test will be considered cheating. It is every student's responsibility to observe academic integrity. Cheating and plagiarism will result in failure of assignments/exams to failure of the course.

**Counseling services:**

UIC and the Department of Psychology provide a variety of services for students who experience mental or psychological difficulties, if such need occurs, please refer to the following:

- Counseling center: <http://www.uic.edu/depts/counseling/>
- Office of Applied Psychological Services: <http://portal.psch.uic.edu/Clinical/centers.aspx>
- Campus Advocacy Network: <http://www.uic.edu/depts/owa/advocacy.html>

**Course Schedule**

Note: This is a **tentative schedule** for the lecture materials in this semester. If I need to make changes as we move along, I will send an updated version to the class.

<b>Week</b>	<b>Date</b>	<b>Topic</b>	<b>Chapter</b>	<b>Assignments</b>	<b>Friday Discussion</b>
1	1/10	Introduction to course			Welcome session
	1/12	Science and Psychology	1	LS1	
2	1/17	<b>MLK day, no class</b>			Identifying the elements in a research hypothesis
	1/19	Scientific method	2		
3	1/24	Scientific method	2	LS2	Research ethics
	1/26	Research ethics	3	LS3	
4	1/31	Field research	4		Observational research
	2/02	Field research	4	LS4	
5	2/07	Survey research	5		Survey research
	2/09	Survey research	5	LS5	
6	2/14	Review session for Exam 1, come with questions			Exam 1 Answer review
	2/16	<b>First Exam</b>	<b>1 – 5</b>		
7	2/21	Independent groups design	6		Independent groups design
	2/23	Independent groups design	6	LS6	
8	2/28	Repeated measures design	7		Repeated measures design
	3/02	Repeated measures design	7	LS7	
9	3/07	Complex design	8		Complex design



	3/09	Complex design	8	LS8	
10	3/14	Single case research design	9		Case research
	3/16	Single case research design	9	LS9	
11	3/21	<b>Spring Break, no class</b>			
	3/23				
12	3/28	Review session for Exam 2, come with questions			Exam 2 Answer review
	3/30	<b>Second Exam</b>	<b>6 - 9</b>		
13	4/04	Quasi experimental design	10	LS10	Quasi experiment
	4/06	Quasi experimental design	10		
14	4/11	Numerical description of data	11		Measurement and data presentation
	4/13	Numerical description of data	11	Written HW1	
15	4/18	Statistical analysis	12		Statistical analysis
	4/20	Statistical analysis	12	Written HW2	
16	4/25	Reliability and Validity	12		Experimental confounds
	4/27	<b>Final Review</b>			
(M) 05/02	1 – 3pm	<b>Cumulative Final Exam @ Lecture Center D1</b>			

Assignment summary: (150 pts + 30 pts)  
 LS1\_Introduction (10 pts)phall

LS2\_The Scientific method (10 pts)  
LS3\_Research ethics (15 pts)  
LS4\_Observation (20 pts)  
LS5\_Survey research (20 pts)  
LS6\_Independent groups design (20 pts)  
LS7\_Repeated measures design (15 pts)  
LS8\_Complex designs (10 pts)  
LS9\_Single case research (15 pts)  
LS10\_Quasi experiment (15 pts)  
Written HW1 (15 pts)  
Written HW2 (15 pts)

Exam responsibility:

Exam 1: Noor  
Exam 2: Devante  
Exam 3: Hafsa