

Science of Psychology

Department of Psychology – Columbia University

PSYC1001 - Course Syllabus – Fall 2024

Instructor: Dr. Sarah DeMoya

E-mail: sed2182@columbia.edu

Course Location: Schermerhorn 501

Course Time: MW 11:40 AM – 12:55 PM

Office: Schermerhorn Extension 355D

Office Hours: Friday 10:00 AM – 12:00 PM

The TAs are here to help you this semester and are a fantastic resource. Please take advantage of their help! TAs will hold weekly office hours, answer emails, hold exam reviews, and grade your work. For office hours, please go to whichever office hours work best in your schedule. Tentative office hours are listed here. Please check EdStem before you attend office hours for any updates to time and/or location.

<u>Last Name:</u>	<u>Your Assigned TA:</u>	<u>Office Hours:</u>	<u>Email:</u>
A to B	Chris Iyer	TBD	csi2108@columbia.edu
C to D	Daniela Cordovez	TBD	dc3585@columbia.edu
E to G	Debpriya Das	TBD	dd3243@columbia.edu
H to K	Ena Selman-Housein	TBD	es3923@columbia.edu
L to N	Geena Kim	TBD	gk2584@columbia.edu
O to R	Joshua Park	TBD	jp4346@columbia.edu
S to Z	Margaux Wienk	TBD	mnw2124@columbia.edu

About Chris:

Chris is a first-year PhD student in the Shohamy Lab studying how multiple human learning/memory systems cooperate extract rich information about the world from our sensory stream. Before beginning his PhD, Chris worked in several legal offices to challenge unjust life and death sentences in California (where he was born and raised). He also plays the trumpet!

About Daniela:

Hi everyone! I'm a junior in Columbia College from Monterrey, Mexico majoring in Psychology and Women's & Gender Studies. I'm very interested in the intersection between evidence-based, trauma informed therapies and how they can be used to aid historically vulnerable populations. I look forward to meeting you, please reach out with any questions!

About Depriya:

I am currently pursuing a second bachelor's degree (pre-med) at GS. Originally from Bangladesh, I started my career as a high school biology teacher. For my undergrad studies, I went to National University of Singapore and the University of Melbourne majoring in Neuroscience. I have a Masters in Global Affairs as a Schwarzman Scholar from Tsinghua University and an MBA in Corporate Finance from Northeastern University. But deep down, I have always loved biology and have never stopped teaching/tutoring bioscience or

neuroscience courses- and that's why I am here. (I am also an avid Formula 1 fan.) Excited to meet everyone this semester and always happy to connect and help with any questions.

About Ena:

I am a Columbia College junior studying Cognitive Science and Applied Statistics. Within the Cognitive Science major, my specialization is that of Human-Computer Interaction, Intelligence, and Learning. I am an international student originally from San Pedro Sula, Honduras. Looking forward to meeting you all, please feel free to reach out!

About Geena:

I am a senior in Columbia College majoring in Biology. I am originally from Korea but moved to the US in middle school. At the Chio Lab, I investigate the cell compartment-specific regulation of lipid peroxidation under stress conditions such as pancreatic cancer. Outside of the classroom, I am a lead teacher with Dance to Unite, a nonprofit organization dedicated to teaching dance and universal values to underserved children in New York City through the Social-emotional Learning curriculum!

About Joshua:

Hi everyone! I'm a junior in Columbia College studying Neuroscience. I am from a small town in South Dakota, and currently work in the Ho Lab researching host-pathogen interactions in malaria parasites using CryoEM. Please feel free to reach out with any questions about class or anything else I can help with!

About Margaux:

I'm a 6th year PhD student in the Psychology Department broadly interested in how our environment influences our psychology and can change us, with a focus on well-being, prejudice, and inequality. I'm originally from the Netherlands (and grew up in a town close to Amsterdam) where I did my B.Sc. and M.Sc. in (Social) Psychology, but have been in the US now for 6 years. The easiest way to reach me is through e-mail or to drop by my office hours ;)

Course Description:

The Science of Psychology is a broad survey of psychological science including: sensation and perception; learning, memory, intelligence, language, and cognition; emotions and motivation; development, personality, health and illness, and social behavior. It discusses relations between the brain, behavior, and experience. The course emphasizes science as a process of discovering both new ideas and new empirical results. PSYC UN1001 serves as a prerequisite for further psychology courses and should be completed by the sophomore year.

Course Prerequisites:

None.

Course Role in the Department:

PSYC 1001 The Science of Psychology is a beginning-level lecture course, open to undergraduates and students in the Post-baccalaureate Psychology program. It fulfills the following degree requirements:

- For the Neuroscience & Behavior major, this course can be used to fulfill the P1 Science of Psychology requirement.
- For the Psychology major and Psychology concentration, this course can be used to fulfill Science of Psychology requirement.
- For the Post-baccalaureate Psychology program, this course fulfills the Introductory Psychology Course requirement.

Required Textbook:

Psychology 8E. Henry Gleitman, James J. Gross, Daniel Reisberg. W. W. Norton & Company, Eight Edition, 2010: ISBN 978-0393932508

Copies of this book are on reserve at the Science & Engineering Library in the Northwest Corner building. Call number: BF121.G393.2022

Supplemental Materials:

Various supplemental materials will be provided by the instructor on the course website.

Course Website:

The most up-to-date information, including changes to the syllabus or to the class schedule, announcements, lecture slides and additional materials are contained on the course website on CourseWorks (Canvas). Be sure you are familiar with it, that you are easily able to login to the website, and that you always have the lecture slides with you (whether printer or digital). If you have problems accessing the course website at any point during the semester, please let me know.

Course Learning Objectives:

Specific learning objectives for each chapter are provided for you on the Module pages for each chapter. Some weeks have more than others. It is highly to your advantage to fill them out each week as you read because the questions for the weekly quizzes and for the exams will be taken directly from the learning objectives. I may not have time to cover all learning objectives in class.

Grades:

Your overall course grade will be determined by your effort in the following areas:

- Exam #1 15%
- Exam #2 15%
- Exam #3 15%
- Final Exam 25%
- Semester Project 20%
- Post-Class Quizzes 4%
- In-Class Participation 3%
- Study Participation 3%

Letter Grade Assignment:

98-100%: A+	87-89.9%: B+	77-79.9%: C+	67-69.9%: D+	<60%: F
94-97.9%: A	84-86.9%: B	74-76.9%: C	64-66.9%: D	
90-93.9%: A-	80-83.9%: B-	70-73.9%: C-	60-63.9%: D-	

Exams:

Four exams will be given in this course. Each exam will be 1.5 hours long. Exams will consist of multiple-choice questions. The exams will test your mastery of the learning objectives for each lecture. You are permitted to bring one 8.5 x 11 or A4-sized sheet of notes to the exam. It may be double-sided, typed or handwritten, and may include images or diagrams.

- While studying, try to emphasize *understanding* and *critical thinking*. Knowing key concepts and definitions is highly valued, of course, but successful students use that knowledge to scaffold a more comprehensive understanding of the material. This is highly advisable for these exams and in general for your career. Rather than simply “memorizing,” try to “understand” the material and use your Instructor and the TAs for clarification. Test questions will include more basic definitional / conceptual knowledge as well as application of that knowledge to new scenarios.
- Slides on the course website should be considered as a study aid, but they may not be “good enough” on their own unless you come to class and take notes. Sometimes I may have to skip slides in the posted lectures if we run out of time in class. If that happens, you should still read the relevant sections in the textbook and answer the learning objectives, as the exam questions will be taken directly from the learning objectives.

Make-up Exams:

Make up exams be allowed only with written justification (e.g., by your doctor or advising dean) and must be taken within one week *after* the exam. (Make-up exams will not be offered before the scheduled exam date.) Exams taken after that time or that do not have written justification will have the same late penalty as all other assignments.

Semester Project:

If you could study anything in psychology, what would you study? Over the course of the semester, you will work through a series of written assignments to design your hypothetical dream project. (Note: you will not actually be conducting this experiment.) You will first generate a hypothesis. Next you will find a scientific article related to your project and do a lit review of the article. Then you will design your hypothetical experiment. Lastly, you will bring all of this together in a 300-word grant mini proposal. You can find more details about each assignment on Courseworks. Late assignments will have a lateness penalty applied and must be submitted by the last day of classes to receive any credit (Monday, December 9th at 11:59 PM). All assignments must be submitted through the Assignments tab on CourseWorks. You can complete the assignments at any time during the semester before the deadline so please plan appropriately as there are no extensions for these assignments.

In-Class Polling Questions:

Each class period we will have polling questions to check our understanding of the material. These questions will not be graded for accuracy, but your participation in the poll is required. You must answer all or all but one question to get credit. Your 4 lowest scores will be dropped. If you have more than 4 absences, you will need a doctor's note or note from your advising dean to get credit for those absences. We will use Poll Everywhere for our polling questions.

Post-Class Quizzes:

Each Wednesday evening a quiz will be available on Courseworks. You will have until Friday evening to complete it. Your scores count for these quizzes but you may retake them as many times as you would like to improve your score. Think of these quizzes as learning check-ins.

Study Participation:

This semester you will participate in 3 credits (1.5 hours) of psychology research. More details on how to participate and how to get credit for participation will be provided in the Psychology Participant Pool Info Packet. Participation must be completed by the last day of the semester, (Monday, December 9th), so schedule your participation ASAP. If you are unable to participate (because you are not yet 18, have religious exemption, or other reason that you cannot participate) please reach out to me about an alternate assignment.

Psychology Seminar Attendance:

This semester you have an opportunity to explore the world of psychology by attending a seminar given by a psychologist about their work. To get credit for attendance, you must do two things: 1.) sign up on the SignUpGenius to attend a seminar before attending the seminar, and 2.) submit a written reflection after you attend the seminar. The written reflection is due by Friday, December 6th at 11:59 PM. All assignments must be submitted through the Assignments tab on CourseWorks. You can complete the assignments at any time during the semester so please plan appropriately as there are no extensions for this assignment.

Course Policies: please read the following policies carefully!

Disability Services:

Students must register with their school's Disability Services office in order to receive disability-related accommodations and must complete the testing accommodation request form. More information is available at:

Columbia: <https://health.columbia.edu/content/disability-services>

Barnard: <https://barnard.edu/disabilityservices/register-cards>

Religious Observance:

If you are going to miss class(es) due to religious observance, you must notify me during the first week of class so that accommodations can be made.

Class Attendance and Electronics Policy:

It is strongly encouraged that you take hand-written notes. If you need to use a device, please be respectful of your classmates and your instructor by only accessing the document for class and not using the device to message or access the internet. Coming to class is of no value if you are not paying attention to the lecture. Messaging friends, watching videos online, and browsing social media are not appropriate for the classroom. Remember to silence your phones before class.

Unreadable File Submission:

Any assignments that have unreadable files will automatically receive a 0% score. It is a student's responsibility to make sure that submissions are done in a proper manner and double check that files are readable and accessible to the teaching team. To avoid the penalty for unreadable file submission, try to work on the assignments ahead of time and give yourself enough time to check that the files submitted are accessible/readable.

Late Assignments:

Any assignment that is turned in late will have a late penalty applied. Assignments that are turned in within 24 hours of the deadline will have a 25% deduction in points. Assignment turned in more than 48 hours after the deadline will have a 50% deduction in points. Assignments are not accepted after the last day of class (Monday, December 9th at 11:59 PM). Courseworks will automatically apply this deduction in points. If there are extenuating circumstances (death in the family, etc.) please notify me immediately. I cannot make accommodations if I don't know what's going on or if something occurs after the due date. Note: to avoid the penalty for late submissions, do not wait until the last minute to submit an assignment. Courseworks is sometimes slow to upload. Submitting in advance of the deadline is your best bet.

Academic Honesty:

Academic honesty is taken very seriously. Columbia students commit to the Honor Code as follows: "I affirm that I will not plagiarize, use unauthorized materials, or give or receive illegitimate help on assignments, papers, or examinations. I will also uphold equity and honesty in the evaluation of my work and the work of others. I do so to sustain a community built around this Code of Honor." All suspected cases of dishonest behavior will be reported to Student Conduct and Community Standards. All submissions will be run through TurnItIn.

Sexual Respect:

Any form of gender-based misconduct will not be tolerated. "Columbia University is committed to fostering an environment that is free from gender-based discrimination and harassment, including sexual assault and all other forms of gender-based misconduct." Visit this website for more information: <http://sexualrespect.columbia.edu/>

COVID-19:

We will comply with all University-mandated COVID-19 policies.

Course Schedule:

The calendar below details topics, readings, and assignments for each class period. Students should complete the assigned reading before coming to class.

Date	Topic	Reading
September 4 th (Wed.)	Course Intro	Chapter 1
September 9 th (Mon.)		Chapter 2
September 11 th (Wed.)		Chapter 3
September 16 th (Mon.)		Chapter 3
September 18 th (Wed.)		Chapter 4
September 23 rd (Mon.)		Chapters 1-4 Review
September 25 th (Wed.)	Exam 1	Chapters 1-4
September 30 th (Mon.)		Chapter 5
October 2 nd (Wed.)		Chapter 6
October 7 th (Mon.)		Chapter 6
October 9 th (Wed.)		Chapter 7
October 14 th (Mon.)		Chapter 7
October 16 th (Wed.)		Chapter 8
October 21 st (Mon.)		Chapters 5-8 Review
October 23 rd (Wed.)	Exam 2	Chapters 5-8
October 28 th (Mon.)		Chapter 9
October 30 th (Wed.)		Chapter 10
November 4 th (Mon.)	NO CLASS – University Holiday	
November 6 th (Wed.)		Chapter 11
November 11 th (Mon.)		Chapter 9-11 Review
November 13 th (Wed.)	Exam 3	Chapters 9-11
November 18 th (Mon.)		Chapter 12
November 20 th (Wed.)		Chapter 13
November 25 th (Mon.)		Chapter 14
November 27 th (Wed.)	NO CLASS – University Holiday	
December 2 nd (Mon.)		Chapter 14
December 4 th (Wed.)		Chapter 15
December 9 th (Mon.)		Chapters 12-15 Review
LIKELY December 16 th	Final Exam	Cumulative, emphasis on Chapters 12-15

****SUBJECT TO CHANGE****

Any changes will be announced in lecture and posted as an announcement on CourseWorks.

