

**San José State University
Psychology Department
45945, Psyc 135, Cognition, Sec 03, FALL 2022**

Instructor: Steven Macramalla
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Office Hours: TuTh 12:00PM-13:00PM
Class Days/Time: TuTh 4:30PM - 5:45PM
Classroom: Washington Square Hall 207
Prerequisites: Psych 001

**WELCOME TO COGNITIVE PSYCHOLOGY IN-PERSON
CANVAS & HYBRID-ZOOM**



CANVAS Lecture Slides
Recorded Lectures /Announ.
Assignment Submissions
Exams



ZOOM

Login to MYSJSU
Invite via Email and
Canvas (Announcements)
Open Zoom (Mic Off)
SJSU Code of Conduct Applies – Be
Professional
NO Hate Speech!

Course Description

We are examining how the brain processes information and generates the illusion of your reality. This class will reinforce basic scientific concepts as we delve into new territory of vision, language, memory, attention and other domains of cognitive psychology.

Course Goals and Student Learning Objectives

The objective is to distinguish fundamental principles of cognitive function in vision, attention, memory and language.

Upon successful completion of this course, students will be able to:

Navigate and discriminate the scientific literature in cognitive psychology in areas relevant to their concerns.

Required Texts/Readings

Juola,& Koshino *Cognitive Psychology*
V.S. Ramachandran *Phantoms in the Brain*

Readings:

James Gleick,	<i>The Information</i>
Matthew Cobb,	<i>Why Your Brain is Not a Computer</i>
Unknown	<i>Readings on Attention</i>
Pashler	<i>Doing Two Things at Once</i>
Lee	<i>What Whorf Really Said</i>
Boroditsky	<i>The Role of the Body and Mind in Abstract Thought</i>
Boroditsky & Lieberman	<i>Does Language Shape Your Thoughts</i>

IN-PERSON+

You Are Expected To Attend...Unless You Can't

This is an in-person class with supplementary asynchronous resources: you are expected to attend class unless prohibited by circumstances (family, work

etc.) during this pandemic, in which case, the class is designed so you can complete the requirements on your own time.

Please understand, it's a safety net. To get the most out of the class, you want to attend lecture and discussions.

Classroom Protocol

Zoom / Classroom Protocol

1. Be kind courteous to each other – the person sitting next to you may be a future customer, partner or spouse. Be attentive and courteous when your classmates speak or ask questions.
2. Do not distract other students with chit-chat, cell phones, pagers, etc. **TURN OFF YOUR PHONES.** Please refrain from using your laptop for anything unrelated to class.
3. You are expected to attend all class meetings and read the book prior to class as the exams cover material exclusively from either the class or the book. There will be many in-class activities that will depend on a sufficient sample for their success. Please, check the syllabus and mark your calendars now for important dates.
4. Please arrive on time and stay for the whole class. In the event you must, please take your seat or leave with the least amount of disruption for the class
5. Office hours are not a replacement for reading the text and attending class. If you miss class, get notes from at least two other students.
6. I am responsive to levels of participation from students. If you are the type of person who asks a lot of questions with tangential stories or that draws more attention to yourself than to the material in the class and is not really relevant or of benefit to other students, I will ask you to curb your enthusiasm and hold your question for after class. If you are the type of person who hides in the corner, wearing similarly colored clothes as the desk for better camouflaging, I will ask you questions in an effort to encourage your participation.
7. Cheating will not be tolerated in any form. Period.
8. Be kind and respectful to your professor. Please call me ‘Sir’, ‘Professor’, or ‘Dr. Macramalla’, but not ‘Steve’, ‘Steven’, ‘Dude’, ‘Buddy’ or “Hey! You!” Do not stop me in the middle of a lecture to ask if there will be an assignment due next class session. Hold those kinds of questions to the end of class ask them before we get started on lecture.

Information about the latest changes and news is available at the [Advising Hub](http://www.sjsu.edu/advising/) at <http://www.sjsu.edu/advising/>.

Assignments and Grading Policy

GRADING

Tests.....	164 pts.....	Counts for 40%
Test Yourself Study Guide.....	185 pts.....	Counts for 20%
Milestones.....	2 x 10 pts each.....	Counts for 6%
Peer Review.....	10pts.....	Counts for 4%
Paper	100 pts.....	Counts for 30%
Total	469 pts.....	100%

Course Grading Scale (% of Total Points):

A+ 96-100%	B+ 86-89%	C+ 76-79%	D+ 66-69%	F<60%
A 93-95%	B 83-85%	C 73-75%	D 63-65%	
A- 90-92%	B- 80-82%	C- 70-72%	D- 60-62%	

Quizzes

Time-pressured Multiple-Choice 28-50 Questions
(approx. <1min. / question) to complete a quiz on the
designated day.

It is YOUR RESPONSIBILITY to make sure you set aside
time in a quiet undisturbed location on that day with
ample time to complete it. Requests for exam date
changes will be considered for extenuating circumstances with a
doctor's note,
if you have more than two exams on the same day, you are a parent
or have suffered unforeseen hardships due to the pandemic.

Term Paper

1500 words Minimum not including title page and references, roughly 6 pages, report and critique of a MINIMUM of 2 original research studies. Must include theories, hypotheses, dependent and independent variables and results of the studies along with the student's critique.

Milestones

Short submission assignments. They ensure students know APA format for intext and reference citations, and can identify the theory, hypotheses, dependent and independent variables of a study.

Test Your Knowledge

Short quizzes, time-pressured but with unlimited tries, to guide your reading of the important material in the textbook. Some material will overlap with lecture, but not all.

Peer Review

You will review one other student's term paper and have your term-paper draft reviewed by two other students. You review address grammar, structure and analysis of the author's paper.

Dropping and Adding

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester's [Catalog Policies](http://info.sjsu.edu/static/catalog/policies.html) section at <http://info.sjsu.edu/static/catalog/policies.html>. Add/drop deadlines can be found on the [current academic calendar](http://www.sjsu.edu/academic_programs/calendars/academic_calendar/) web page located at http://www.sjsu.edu/academic_programs/calendars/academic_calendar/. The [Late Drop Policy](http://www.sjsu.edu/aars/policies/latedrops/policy/) is available at <http://www.sjsu.edu/aars/policies/latedrops/policy/>. Students should be aware of the current deadlines and penalties for dropping classes.

University Policies

Academic integrity

Students should know that the University's [Academic Integrity Policy](http://sa.sjsu.edu/judicial_affairs/faculty_and_staff/academic_integrity/index.html) is available at http://sa.sjsu.edu/judicial_affairs/faculty_and_staff/academic_integrity/index.html. Your own commitment to learning, as evidenced by your enrollment at San Jose State University and the University's integrity policy, require you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The [Student Conduct and Ethical Development website](http://www.sa.sjsu.edu/judicial_affairs/index.html) is available at http://www.sa.sjsu.edu/judicial_affairs/index.html.

Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person's ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified. If you would like to include in your assignment any material you have submitted, or plan to submit for another class, please note that SJSU's Academic Policy F06-1 requires approval of instructors.

Campus Policy in Compliance with the American Disabilities Act

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities requesting accommodations must register with the [Disability Resource Center](http://www.drc.sjsu.edu/) (DRC) at <http://www.drc.sjsu.edu/> to establish a record of their disability.

Learning Assistance Resource Center (Optional)

The Learning Assistance Resource Center (LARC) is located in Room 600 in the Student Services Center. It is designed to assist students in the development of their full academic potential and to motivate them to become self-directed learners. The center provides support services, such as skills assessment, individual or group tutorials, subject advising, learning assistance, summer academic preparation and basic skills development. The [LARC website](http://www.sjsu.edu/larc/) is located at <http://www.sjsu.edu/larc/>.

SJSU Writing Center

The SJSU Writing Center is located in Room 126 in Clark Hall. It is staffed by professional instructors and upper-division or graduate-level writing specialists from each of the seven SJSU colleges. Our writing specialists have met a rigorous GPA requirement, and they are well trained to assist all students at all levels within all disciplines to become better writers. The [Writing Center website](http://www.sjsu.edu/writingcenter/about/staff/) is located at <http://www.sjsu.edu/writingcenter/about/staff/>.

Peer Mentor Center

The Peer Mentor Center is located on the 1st floor of Clark Hall in the Academic Success Center. The Peer Mentor Center is staffed with Peer Mentors who excel in helping students manage university life, tackling problems that range from academic challenges to interpersonal struggles. On the road to graduation, Peer Mentors are navigators, offering “roadside assistance” to peers who feel a bit lost or simply need help mapping out the locations of campus resources. Peer Mentor services are free and available on a drop –in basis, no reservation required. The [Peer Mentor Center website](http://www.sjsu.edu/muse/peermentor/) is located at <http://www.sjsu.edu/muse/peermentor/>

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The schedule is subject to change. Notification will be by email and class announcement.

Week	Date	Topics, Readings, Assignments, Deadlines
1	Aug 22-24	<p>Welcome & Logistics</p> <p>Intro History & Schools of Thought</p> <p>Biological, Computational, & Behavioral Research</p> <p>Juola & Koshino Ch. 1 Textbook Test Yourself Ch. 1 Gleik <i>The Information</i> Cobb <i>Why Your Brain is Not a Computer</i></p>
2	Aug 30-Sept 1	<p>Finish Intro</p> <p>Neurocognitive Frontal, Temporal, Motor, Parietal Cortices, Amygdala & Hippocampus, Bio Measurements</p> <p>Juola & Koshino Ch. 2 pg. 24-31, 34-38, 42-57 Textbook Test Yourself Ch. 2 Rama Chap 1 & 2</p>
3	Sept 6-8	<p>Neurocognition Finish</p> <p>Visual Physiology of the Eye, Lateral Inhibition & Opponent Processes & Color</p> <p>Juola & Koshino Ch.2, pg 32-33, 39-41, Ch. 3 Rama Chap 3</p>
4	Sept 13-15	<p>Parvo & Magno Cellular, LGN, Hemispheric Differences, What Where/How</p> <p>Juola & Koshino Ch.2, pg 32-33, 39-41, Ch. 3</p> <p>Receptive Fields, Depth Perception Juola & Koshino Ch.3</p>

Week	Date	Topics, Readings, Assignments, Deadlines
5	Sept 20-22	Object Recognition Hubel & Wiesel Feature Detectors, Spatial Frequency Detectors, Figure Ground, Gestalt Principles, Affordances Rama Chap 4 MILESTONE 1 DUE
6	Sept 27-29	Object Recognition Template & Feature Theories, Object Recognition Face Perception, Change Blindness Juola & Koshino Ch.3 Textbook Test Yourself Ch. 3 TEST 1 History, Neurocognitive, Vision
7	Oct 4 -6	Attention : Posner Cueing, Serial & Parallel Searches, Illusory Conjunctions & Feature Integration Theory, Attention, Juola & Koshino Ch. 5 MILESTONE 2 DUE
8	Oct 11-13	Early & Late Selection, Emotions & Attention Brain & Attention, PRP & RSVP Juola & Koshino Ch. 5 Textbook Test Yourself Ch. 5 Rama Chap 6, 7 <i>Readings on Attention</i> TEST 3 Attention
9	Oct 18-20	Memory: Encoding, Storing, Retrieving Short-Term Memory, Serial Position Curve Juola & Koshino Ch. 6 Textbook Test Yourself Ch. 6
10	Oct 25-27	Working Memory & Mneumonics Long-Term Memory & False Memories & Flashbulb Memories Juola & Koshino Ch. 7 – 8 Textbook Test Yourself Ch. 7 & 8

Week	Date	Topics, Readings, Assignments, Deadlines
11	Nov 1-3	Mental Imagery : Depictive & Propositional Theories Juola & Koshino Ch. 4 TEST 4 (Maybe Imagery &) Memory
12	Nov 8-10	Language Taxonomy & Bottom-Up & Top-Down Processes Language Acquisition Juola & Koshino Ch. 9 Textbook Test Yourself Ch. 9 DRAFT PAPER & REVIEW
13	Nov 15-17	Deep Structure of Language Juola & Koshino Ch. 10 Rama Ch. 9-10 Boroditsky <i>The Role of Mind and Body in Abstract Thought</i> Boroditsky and Libermann <i>Does Language Shape Our Thoughts</i> Yee <i>What Whorf Really Said</i> TEST 5 Language
14	Nov 22-24	TERM PAPER DUE THANKSGIVING BREAK – NO CLASSES
15	Nov 29-Dec 1	Decision Making Embodied Cognition Rama Ch. 11
16	Dec 6	Consciousness Rama Ch. 12
Final Exam		THURSDAY, DECEMBER 8