

**San José State University
Psychology Department
22818, Psyc 135, Cognition, Sec 01, SPRING 2023**

Instructor: Steven Macramalla
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Office Hours: TR 1:30PM-3:00PM
Class Days/Time: TR 9:00AM - 10:15AM
Classroom: Online Zoom
Prerequisites: Psych 001

WELCOME TO COGNITIVE PSYCHOLOGY ONLINE

CANVAS & 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,

The Information

Matthew Cobb,

Why Your Brain is Not a Computer

Unknown

Readings on Attention

Pashler

Doing Two Things at Once

Lee

What Whorf Really Said

Boroditsky

The Role of the Body and Mind in Abstract Thought

Boroditsky & Lieberman

Does Language Shape Your Thoughts

Synchronous+

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

This is a synchronous class with supplementary asynchronous resources: you are expected to attend class unless circumstances (family, work etc.) during

this pandemic prohibit this, 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, attend lecture and discussions.

Classroom Protocol

Even on Zoom, students are expected to display professionalism and respect for others: Arrive on time. Participate in class. Engage in civil dialogue. Pay attention to the lecture. Do not cheat.

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.

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](#) web page located at http://www.sjsu.edu/academic_programs/calendars/academic_calendar/. The [Late Drop 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.

Information about the latest changes and news is available at the [Advising Hub](#) 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 10%
Paper	100 pts.....	Counts for 30%
Total	469 pts.....	100%

DO NOT trust the final total you see on Canvas.

Calculate your current grade yourself.

Use this formula:

$(AVG\ Tests \times .4) + (AVG\ Milestones \times .1) + (Test\ Yourself \times .2) + (Paper \times .3)$

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%	

University Policies

Academic integrity

Students should know that the University's [Academic Integrity Policy](#) 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	Jan 26	Welcome & Logistics
2	Jan 31- Feb2	Intro History & Schools of Thought Biological, Computational, & Behavioral Research Juola & Koshino Ch. 1 Textbook Test Yourself Ch. 1 Gleik <i>The Information</i> Cobb <i>Why Your Brain is Not a Computer</i>
3	Feb 7-9	Neurons, Auto-Associators Frontal, Temporal, Motor, Parietal Cortices, Amygdala & Hippocampus, Bio Measurements Juola & Koshino Ch. 2 pg. 24-31, 34-38, 42-57 Textbook Test Yourself Ch. 2 Rama Chap 1 & 2
4	Feb 14-16	Neurocognition Finish TEST 1 History & Neuro Visual Physiology of the Eye, Parvo & Magno Cellular, LGN, Hemispheric Differences, What Where/How Lateral Inhibition & Opponent Processes & Color Juola & Koshino Ch.2, pg 32-33, 39-41, Ch. 3 Rama Chap 3
5	Feb 21-23	Receptive Fields, Depth Perception Object Recognition Hubel & Wiesel Feature Detectors, Spatial Frequency Detectors, Figure Ground, Gestalt Principles, Affordances Juola & Koshino Ch.3 Rama Chap 4
6	Feb 28 – March 2	Object Recognition Template & Feature Theories,

Week	Date	Topics, Readings, Assignments, Deadlines
		Object Recognition Face Perception, Change Blindness Juola & Koshino Ch.3 Textbook Test Yourself Ch. 3 TEST 2 Vision
7	March 7 -9	Attention : Posner Cueing, Serial & Parallel Searches, Illusory Conjunctions & Feature Integration Theory, Attention, Juola & Koshino Ch. 5
8	March 14-16	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	March 21-23	Memory: Encoding, Storing, Retrieving Short-Term Memory, Serial Position Curve Juola & Koshino Ch. 6 Textbook Test Yourself Ch. 6
10	March 28-30	SPRING BREAK --- NO CLASSES
11	April 4-6	Working Memory & Mneumonics Long-Term Memory & False Memories & Flashbulb Memories Juola & Koshino Ch. 7 – 8 Textbook Test Yourself Ch. 7 & 8 TEST 4 Memory PAPER DUE
12	April 11-13	Language Taxonomy & Bottom-Up & Top-Down Processes Language Acquisition Juola & Koshino Ch. 9 Textbook Test Yourself Ch. 9
13	April 18-20	Deep Structure of Language

Week	Date	Topics, Readings, Assignments, Deadlines
		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	April 25-27	Mental Imagery : Depictive & Propositional Theories Juola & Koshino Ch. 4
15	May 2-4	TBD (likely Language – if not Decision Making)
16	May 9-11	TBD (Likely Imagery – If not Consciousness)
Final Exam		FINAL EXAM WEDNESDAY MAY 17