Instructor
Martin Lampert, Ph.D.

Instructor's Office Hours
Tuesdays, 10:45–11:45 a.m. (in-office)
Thursdays, 10:45–11:45 a.m. (online)

Instructor's Contact Information
Office: DMH 352, Desk 3
E-mail: martin.lampert@sjsu.edu
Office Zoom: https://sjsu.zoom.us/j/8098683562

Hybrid Class Meetings
Tuesdays, 12:00-1:15 pm (in-person, DMH 353)
Thursdays, 12:00-1:15 pm (online, via Zoom)
Zoom Link: https://sjsu.zoom.us/j/84845137324

Required Text and Software

Goldstein, E. B. (2019). *Cognitive psychology*. (5th Ed.). Cengage Learning.

Francis, G., & Neath, I. (2015). *CogLab 5.0*. Cengage Learning.

Note: The textbook can be purchased electronically from Cengage with Mindtap (which includes CogLab). Purchase of Cengage Unlimited with MindTap is recommended for this course, which provides access to Cengage's entire library of books and learning platforms.

Course Objectives and Outcomes

This course surveys the broad area of cognitive psychology with the aid of laboratory exercises. Throughout the course, we will investigate how the human mind works, focusing on the nature of cognitive structures and mental processes. By the end of the course, students should be able to:

- identify and describe the major theories within cognitive psychology
- identify, describe, and explain the major research findings within cognitive psychology
- apply theories of cognition to analyze and explain cognitive abilities and performance
- compose short research reports following the structure of a psychological article

Course Structure

Class meetings for this course follow a hybrid model with an in-person Monday lecture followed by a Wednesday online lecture/laboratory. Lectures will focus on the theory and research within a specific area of cognitive psychology. Topics will include perception, attention, memory, language processing, problem solving, and decision making.

Laboratories will be devoted to experiments related to the weekly lecture. During each laboratory, students will conduct or participate in a computerized psychological experiment. We will discuss the purpose of the experiment, collect data from the class, and go over the write-up of an assigned laboratory report. Lab reports will be due on the Wednesday following their assignment unless otherwise indicated. To participate in the labs, students must purchase or have an activation code for *CogLab* which they can use to access *CogLab* on the PSYC 135 Canvas site.

Special Note on Credit Hours: Federal guidelines require that for each unit of course credit, students must have each week one hour of classroom instruction, or its equivalent, and a minimum of two hours of out-of-class work. As a three-unit course, PSYC 135 requires that students devote an average of six hours per week to their assigned readings, projects, and review of the course material.

Grading

For this course, final grades will be based on a midterm and final examination plus six laboratory reports and classroom participation. The exams will be objective tests (multiple choice and short answer questions), each worth 35 points and designed to assess each student's breadth of knowledge on the topics covered in class. Students will also be expected to participate in 13 laboratories and to turn in six lab reports, each worth 20 points. Three lab reports must be completed from the labs between February 1 to March 21 and another three reports must be completed from the labs between March 21 and May 2. Students may complete more than six reports. In this case, only the best six reports will be included for final grading. Reports are due one week after their assignment, and late reports will not be accepted. Final grades will be assigned on an absolute scale (i.e., 90% = A; 80% = B; 70% = C) with points assigned as follows:

Final and Midterm Exam	70 points (35 points each)
Class/Lab Participation	20 points
Reports for Three Labs between February 1 to March 21	60 points (20 points each)
Reports for Three Labs between March 21 to May 2	60 points (20 points each)

Academic Integrity

All students are expected to be familiar with SJSU's policies on academic integrity as outlined in the University catalog. As cheating undermines the learning process, the instructor reserves the right to assign a final grade of *F* to any student who represents the work or ideas of another person as his/her own.

Learning Disabilities Support

Reasonable and appropriate accommodations for individuals with qualifying disabilities are extended through SJSU's Accessible Education Center. Students with disabilities are encouraged to contact the AEC office by phone at 408-924-6000, by e-mail at aec-info@sjsu.edu, or online at https://www.sjsu.edu/aec/ to arrange for class accommodations. The instructor will make provisions for students in line with the AEC's instructions.

PSYCHOLOGY 135 (SECTION 2)—COGNITION
SPRING 2024 CALENDAR

Date	Lecture/Labs	Textbook Readings
January 25	**Lec:** Overview of the Course & Cognitive Psychology	*Goldstein:* Chapter 1
January 30 February 1	**Lec:** History/Cognitive Neuroscience **Lab:** Facial Recognition	*Goldstein: Chapter 2* *Lab:* Facial Recognition
February 6 February 8	**Lec:** Cognitive Neuroscience **Lec/Lab:** Hemispheric Asymmetry	*Goldstein: Chapter 2* *CogLab:* Brain Asymmetry
February 13 February 15	**Lec:** Perception **Lab:** Feature Detection	*Goldstein:* Chapter 3 *CogLab:* Visual Search
February 20 February 22	**Lec:** Attention **Lab:** Attentional Interference	*Goldstein:* Chapter 4 *CogLab:* Stroop Effect
February 27 February 29	**Lec:** Short-Term & Working Memory **Lab:** Nature of Working Memory	*Goldstein:* Chapter 5 *CogLab:* Sternberg Search
March 5 March 7	**Lec:** Long-Term Memory **Lab:** Implicit vs. Explicit Memory	*Goldstein:* Chapters 6 *Lab:* Implicit Memory
March 12 March 14	**Lec:** Memory Processes **Lab:** Retrieval Processes	*Sternberg:* Chapter 7 *CogLab:* Levels of Processing
March 19 March 21	***Midterm*** **Lec/Lab:** Remembering and Forgetting	Goldstein, Chapter 8 *CogLab:* False Memory
March 26 March 28	**Lec:** Conceptual Knowledge **Lab:** Prototypes & Categories	*Goldstein*: Chapter 9 *CogLab:* Categorical Perception
April 2 & 4	***Spring Break (No Classes)***	
April 9 April 11	**Lec:** Visual Imagery **Lab:** Mental Rotation	*Goldstein*: Chapter 10 *CogLab:* Mental Rotation
April 16 April 18	**Lec:** Language **Lab:** Semantic & Propositional Networks	*Goldstein*: Chapter 11 *CogLab:* Lexical Decision
April 23 April 25	**Lec:** Deductive & Inductive Reasoning **Lab:** Decision Making	*Goldstein:* Chapters 13 *CogLab:* Decision Making
April 30 May 2	**Lec:** Problem-Solving **Lab:** Well-Defined Problems	*Goldstein:* Chapter 12 *Lab:* Solving Anagrams
May 7 May 9	**Lec:** Creativity **Lab**: Creative Solutions	*Goldstein:* Chapter 12
May 20	***Final Exam*** (9:45 a.m.-12:00 p.m.)	

Note 1: This calendar is flexible, and dates, topics, and labs are subject to modification.

Note 2: Assigned readings are to be completed prior to the class meeting.

Note 3: Laboratory reports are due on Wednesday following their assignment.

Note 4: The course midterm exam will be on March 19 and will cover lectures and readings from January 30 through March 14. The final is scheduled for Monday, May 20, from 9:45 a.m. to 12:00 p.m. The final will cover the material from March 26 through May 9. Students who miss an examination may make it up within two days of the original test, provided that they can document that they could not attend class due to circumstances outside of their control. No make-up exams will be given for undocumented reasons or once the two-day grace period has passed.

Additional University, Program, and Course Information

Psychology Major and PSYC 135 Learning Outcomes

SJSU Department of Psychology Learning Outcomes

The SJSU psychology program overall provides instruction and experiences that support the following learning outcomes.

1. **Knowledge Base of Psychology**

   - Demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology.

2. **Research Methods in Psychology**

   - Design, implement, and communicate basic research methods in psychology, including research design, data analysis, and interpretations.
   - *For Bachelor of Science Students:* Design, implement, and communicate advanced research methods in two or more focused domains
     within psychology, including research design, data analysis, and interpretations within each domain.

3. **Critical Thinking Skills**

   - Use critical and creative thinking, skeptical inquiry, and a scientific approach to address issues related to behavior and mental processes.

4. **Applications of Psychology**

   - Apply psychological principles to individual, interpersonal, group, and societal issues.

5. **Values in Psychology**

   - Value empirical evidence, tolerate ambiguity, act ethically, and recognize one's role and responsibility as a member of society.

Psychology 135 Course Learning Outcomes (CLOs)

PSYC 135 is designed to meet the following learning outcomes.

1. Identify and describe the major theories within cognitive psychology (1)
2. Identify, describe, and explain the major research findings within cognitive psychology (1 & 2)
3. Apply theories of learning and cognition to analyze and explain cognitive abilities and performance (3 & 4)
4. Compose short research reports following the structure of a psychological article (2 & 3)

The numbers in parentheses indicate the Psychology program outcome met by each CLO.

Grading Policy

Examinations and Lab Reports

For this course, final grades will be based on a midterm and final examination plus six laboratory reports and classroom participation.

Examinations. The midterm and the final will be objective tests (multiple choice, short answer questions, etc.), each worth 35 points and designed to assess each student's breadth of knowledge on the topics covered in class. Students who miss an examination may make it up within two calendar days of the original test, provided that they can document that they could not attend class due to circumstances outside of their control. No make-up exams will be given for undocumented reasons or once the two-day grace period has passed.

Lab Reports. Students will also be expected to participate in 13 laboratories and to turn in six lab reports, each worth 20 points. Three lab reports must be completed from the labs between February 1 to March 21 and another three reports must be completed from the labs between March 21 and May 2. Students may complete more than six reports. In this case, only the best six reports will be included for final grading. Reports are due one week after their assignment, and late reports will not be accepted.

Lab Participation

Because student involvement is so critical to the success of this class, every student will be expected to attend the regularly scheduled class sessions and be ready to participate in class activities and laboratories. Each lab participation is worth 1.5 points for a total of 20 points overall.

Grading

Grading will be based on examinations, lab reports, and classroom participation (210 possible points) and will be done on an absolute scale (A = 90%, B = 80%, etc.). Overall, points will be distributed as follows:

Final and Midterm Exam	70 points (35 points each)
Reports for Three Labs between February 1 to March 21	60 points (20 points each)
Reports for Three Labs between March 21 to May 2	60 points (20 points each)
Lab Participation	20 points (1.5 points per lab)

Grading Scale

Grading overall is done on an absolute scale based on the percentages out of 210 possible points overall.

- 93.00-100.0%: A
- 90.00-92.99: A-
- 87.00-89.99: B+
- 83.00-86.99: B
- 75.00-79.99: C+
- 70.00-74.99: C
- 65.00-69.99: C-

- 60.00-64.99: D+
- 55.00-59.99: D
- below 55%: F

SJSU Policies on Academic Integrity, Attendance, E-mail, and Deadlines

Academic Integrity

The University considers honesty vital to its academic life. Therefore, it requires that students learn and abide by the standards of honesty expected in an academic community. See the University catalog for further clarification on this point. In general, academic honesty requires that students: (1) submit work that is clearly and unmistakably their own; (2) properly represent information and give adequate acknowledgement to all sources that were used in the preparation of an assignment; (3) neither seek, accept, nor provide any assistance on tests, quizzes, and/or assignments unless explicitly permitted to do so by the instructor. For more information, see the *University Policy on Academic Integrity*.

Attendance
Attendance is the responsibility of the student. Students are expected to attend all meetings for their courses, as they are responsible for all material covered, and active participation is frequently essential to ensure maximum benefit to all class members. PSYC 135 meets in-person on Tuesdays and online on Thursdays, and students are expected to attend the in-person and online meetings. For more information, see the *University Policy on Class Presence*.

Email Communication

The Family Educational Rights and Privacy Act of 1974 (FERPA) requires careful protection of a student's academic record. This record includes materials and communications regarding grades, degree planning, performance, assessment, and most other matters documented or discussed between a student and faculty member. One way to ensure that the student – and only the student – is reading email correspondence from SJSU faculty, staff, or administrators is to require students to use their password-protected SJSU email account when communicating regarding school-related matters. For similar reasons, faculty should use their password-protected SJSU email accounts when communicating with students or with other SJSU personnel regarding student academic matters.

Add/Drop/Withdrawal Deadlines

See the academic calendar for all academic deadlines: https://www.sjsu.edu/registrar/calendar/fall-2023.php. The last day to add a class or drop a class without a "W" mark is Friday, September 15. Students are responsible for knowing the deadlines, procedures, and consequences for dropping courses.

SJSU Academic Support and Counseling Services

Peer Connections

Peer Connections is the campus-wide resource for mentoring and assisting students with:

- Adjusting to college
- Goal planning
- Time management
- Organization and study skills
- Learning strategies
- Answering questions and directing students to campus resources

Peer Connections further provides tutoring for over 200 different courses and for undergraduate writing as well as classroom support through Supplemental Instruction Leaders, Learning Assistants, Peer Mentors, and Embedded Tutors. Your instructor will announce whether a Peer Educator is in your class. All services are free to SJSU students.

Visit the Peer Connections website for more information on services, hours, locations, or a list of current student success workshops. To make appointments for mentoring or tutoring, you can visit Spartan Connect and log in using your SJSU student ID number and password.

Psychological Counseling Services

The SJSU Counseling and Psychological Services is located on the corner of 7th Street and San Carlos in the new Student Wellness Center, Room 300B. Professional psychologists, social workers, and counselors are available to provide confidential consultations on issues of student mental health, campus climate, or psychological and academic issues on an individual, couple, or group basis. The Center also offers workshops for students every semester.

By participating in counseling service activities, students can:

- Develop capacity for self-awareness, both personally and as members of a vibrant and diverse community
- Explore thoughts and feelings about what is working and not working
- Learn to address a range of issues affecting health and well-being
- Practice new ways of understanding and being in the world

To schedule an appointment or learn more information, visit the [Counseling and Psychological Services](#) website.

Disability Services

SJSU strives to be inclusive, accessible, and in compliance with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act by ensuring that reasonable and appropriate accommodations are made for students with disabilities. Appropriate accommodations for individuals with qualifying disabilities are extended through SJSU's Accessible Education Center. Students with disabilities are encouraged to contact the AEC office by phone at 408-924-6000, by e-mail at aec-info@sjsu.edu, or online at https://www.sjsu.edu/aec/ to record and make arrangements for needed accommodations. Instructors will make provisions for students in line with the AEC's instructions.

SJSU Cares

Students experiencing challenges meeting their basic needs including, but not limited to, access to food, shelter, and a safe space are encouraged to contact [SJSU Cares](#). Students who feel that their class performance may be affected by these challenges are encouraged to notify their professors, if comfortable doing so. Faculty members may be able to provide flexibility within the course for students working with a case manager.

SJSU Library

[The SJSU Library](#) provides online and in-person reference services to all HNU students, faculty, and staff. Journal articles, research guides, and ebooks are available online by logging into the library portal. You can access psychology-related resources at https://libguides.sjsu.edu/psychology. For assistance, contact the library liaison for Psychology, Christa Bailey at christa.bailey@sjsu.edu.

Canvas 24/7/365 Help

Contact Canvas Support for any issues or questions related to using Canvas (the Learning Mangement System you are using right now). Canvas Support is available 24 hours a day, 7 days a week. Click on the question mark (?) icon in the far left navigation menu or call 877 404-5570.

Writing Center

The SJSU Writing Center offers a variety of free resources to help students become better writers. The center offers writing resources, workshops, and one-on-one and small-group tutoring sessions. Services support writing for students in all disciplines and at all levels. The SJSU Writing Center has two in-person locations, Clark Hall, Suite 126 and MLK Library, 2nd floor. Workshops and tutoring are also available through online platforms. Visit the [Writing Center](#) website to make an appointment, or to use the many resources available online.

Student Technology Resources

Computer labs and other resources for student use are available in:

- [Associated Students Print & Technology Center.](#) in the Student Union (East Wing 2nd floor Suite 2600)
- [The Spaces and Technology.](#) page at the MLK Library.
- [Student Computing Services.](#)
- [Computers at the Martin Luther King Library.](#) for the public at large
- Additional computer labs may be available in your department/college

A wide variety of audio-visual equipment is available for student checkout from [Collaboration & Academic Technology Service](#) located in IRC Building. These items include DV and HD digital camcorders; digital still cameras; video, slide and, overhead projectors; DVD, CD, and audiotape players; sound systems, wireless microphones, projection screens, and monitors.