

General Information	Title, code, and number of credits of the course:	PSYCH 337 Sensation and Perception, 3KU (6AKTS)		
	Department:	Psychology		
	Program:	Bachelor		
	Semester:	Fall, 2023		
	Instructor:	Aytaj Nuruzada		
	E-mail:	aytaj.nuruzada@gmail.com		
	Telephone:			
	Location:	Neftchiler Campus. On Monday 408 N, On Wednesday 303 N.		
	Course Consultation:	Tuesday and Thursday 16:00-18:00 at the university by appointment or online (around 10-15 minutes).		
Language of Instruction	English			
Type of Course	Elective			
Required Textbooks and Readings	<ul style="list-style-type: none"> ➤ Wolfe, M. J., et al. (2020). Sensation & Perception (6th ed.). ➤ Goldstein, E. B., & Cacciamani, L. (2022). Sensation and Perception (11th ed.). ➤ Kranowitz, C. S. (2022). The Out of Sync Child (3rd ed.). 			
Learning Activities and Teaching Methods	Lectures			+
	Class discussion			+
	Practical activities			+
	Case studies			+
Assessment Methods	Components	Date/deadline	Percentage (%)	
	Midterm	8 th week	30	
	Class Participation (Contributing to class discussions, sharing insights, integrating comments during the lecture time)	During the semester	5	
	Reading Assignments and Reflection Papers (Readings of assigned literature, attending class prepared, writing reflection essays)	During the semester	10	
	Attendance (Not exceeding the absence limit determined by the university)	During the semester	5	
	Group presentation (presenting topics as a group, presentation should be more than a summary of the literature)	During the semester	10	
	Final exam	January	40	
	Total		100	
Course outline	<p>Our interactions with the environment are initially possible due to sensation and perception. How we sense and perceive the world is a complex process that involves our senses and our brain. Our ability to perceive the world around us has evolved over millions of years to become very sensitive. This course will explore how our sensory systems work and why, focusing on the major senses of vision, hearing, touch, smell, and taste, the psychological essence of sensation and perception, its role in human life.</p>			

Course objectives	<ul style="list-style-type: none"> • To form scientific ideas about the biological and psychological study of the senses; • To acquaint students with basic computational and neural mechanisms that underlie sensation and perception; • Developing the ability to differentiate abnormalities in sensation and perception.
Marking Criteria	<p>Essay</p> <p>Coherence: The extent to which each statement follows from previous statements</p> <p>Argument: The extent to which there is a convincing line of argument running throughout the work.</p> <p>Evidence: The extent to which claims are supported by relevant and appropriate published research evidence and/or theoretical argument</p> <p>Grammar, spelling and general presentation</p> <p>Work which is late without permission will be penalised by 3 marks per day.</p> <p>If plagiarism is detected in one essay, other essays by the student concerned will be examined very carefully for evidence of the same offence.</p> <p>Presentation</p> <p>Information: detailed, accurate, relevant; key points highlighted;</p> <p>Structure: rigorously argued, logical, easy to follow;</p> <p>Analysis and Interpretation: extensive evidence of independent thought and critical analysis;</p> <p>Use of relevant and accurate Evidence: key points supported with highly relevant and accurate evidence, critically evaluated;</p> <p>Presentation Skills: clear, lively, imaginative; good use of visual aids (where appropriate);</p> <p>Time Management: perfectly timed, well organised;</p> <p>Group Skills: engages well with group; encourages discussion and responds well to questions.</p> <p>Work which is late without permission will be penalised by 3 marks per day.</p>
Learning Outcomes	<p>By the end of the semester, students will be able to:</p> <ul style="list-style-type: none"> • Define and explain the key concepts in sensation and perception, such as absolute threshold, difference threshold, sensory adaptation, top-down and bottom-up processing, and perceptual illusions. • Explain the neural basis of sensation and perception, such as the role of the different brain regions involved in processing sensory information. • Describe major senses and different aspects of perception using insights and methods from a variety of disciplines.
Rules	<p><i>Attendance.</i> It is important for students to attend all classes. If a student is unable to attend classes for a valid reason (illness, family status, etc.), they must report the matter to the faculty dean. It is expected students attend the class prepared and actively participate during class discussions.</p> <p><i>Laptops, Cell Phones, and Other Devices.</i> Please make sure that your cell phone and other devices are set to silent or vibration during the class period. Activities using cell phones and other devices, such as text messaging, taking pictures, and using social media are not permitted in the classroom. Active use of electronic devices during discussions creates a distraction for me, and others.</p> <p><i>Respect and Courtesy.</i> Unethical discussion and behavior of students in the classroom is strictly prohibited.</p> <p><i>Academic Ethics.</i> Cheating or any other academic dishonesty including plagiarism will result in a serious consequence, including, but not limited to, getting zero (0) points on the given quiz, exam, or paper. The results of students engaged in academic dishonesty will be canceled.</p>

Schedule (can be changed)			
Week	Dates (planned)	Topics	Readings
1	18.09.2023	Introduction to Sensation and Perception. Psychophysics and methods of measurement.	Wolfe, J.M. et al. 2020. Sensation and Perception. 6 th edition.
2	25.09.2023	The Visual System. Physiology of the Eye	Wolfe, J.M. et al. 2020. Sensation and Perception. 6 th edition. Goldstein, E.B. & Cacciamani, L. 2022. Sensation and Perception. 11 th edition.
3	02.10.2023	Basic Visual Processes. Pattern and Color Vision.	Wolfe, J.M. et al. 2020. Sensation and Perception. 6 th edition. Goldstein, E.B. & Cacciamani, L. 2022. Sensation and Perception. 11 th edition.
4	09.10.2023	Visual Attention. Benefits of Attention. Physiology of Attention. Spatial Neglect and Extinction	Wolfe, J.M. et al. 2020. Sensation and Perception. 6 th edition. Goldstein, E.B. & Cacciamani, L. 2022. Sensation and Perception. 11 th edition..
5	16.10.2023	Perceiving objects and scenes. The problems of perceiving and recognizing objects.	Wolfe, J.M. et al. 2020. Sensation and Perception. 6 th edition. Goldstein, E.B. & Cacciamani, L. 2022. Sensation and Perception. 11 th edition.
6	23.10.2023	Taking action. Finding your way through the environment. Perceiving motion.	Wolfe, J.M. et al. 2020. Sensation and Perception. 6 th edition. Goldstein, E.B. & Cacciamani, L. 2022. Sensation and Perception. 11 th edition.
7	30.10.2023	Perceiving color, depth, and size. Illusions of depth and size.	Wolfe, J.M. et al. 2020. Sensation and Perception. 6 th edition. Goldstein, E.B. & Cacciamani, L. 2022. Sensation and Perception. 11 th edition.
8	06.11.2023	Hearing. Physical and perceptual aspects of the sound. Hearing the environment.	Wolfe, J.M. et al. 2020. Sensation and Perception. 6 th edition. Goldstein, E.B. & Cacciamani, L. 2022. Sensation and Perception. 11 th edition.
9		Midterm Exam	
10	13.11.2023	Perceiving Music. Perceiving Speech. Speech Perception and the Brain.	Wolfe, J.M. et al. 2020. Sensation and Perception. 6 th edition. Goldstein, E.B. & Cacciamani, L. 2022. Sensation and Perception. 11 th edition.
11	20.11.2023	Vestibular Sensation. The Vestibular Organs. Multisensory Integration.	Wolfe, J.M. et al. 2020. Sensation and Perception. 6 th edition. Goldstein, E.B. & Cacciamani, L.

			2022. Sensation and Perception. 11 th edition.
12	27.11.2023	Touch. Perceiving Vibration and Texture. Social Touch.	Wolfe, J.M. et al. 2020. Sensation and Perception. 6 th edition. Goldstein, E.B. & Cacciamani, L. 2022. Sensation and Perception. 11 th edition.
13	04.12.2023	Olfaction. From Chemicals to Smell. Representing Odors in Cortex.	Wolfe, J.M. et al. 2020. Sensation and Perception. 6 th edition. Goldstein, E.B. & Cacciamani, L. 2022. Sensation and Perception. 11 th edition.
14	11.12.2023	Taste. Anatomy and Physiology of Gustatory System. The perception of Flavor.	Wolfe, J.M. et al. 2020. Sensation and Perception. 6 th edition. Goldstein, E.B. & Cacciamani, L. 2022. Sensation and Perception. 11 th edition.
15	18.12.2023	Issues with Sensory Processing. Recognizing Sensory Processing Differences.	Kranowitz, C.S. 2022. The Out of Sync Child. 3rd edition.
16	25.12.2023	Theories on Perception.	Goldstein, E.B. & Cacciamani, L. 2022. Sensation and Perception. 11 th edition.
		Final	