

PSY4125-01 ( 2ND SEMESTER, 2019 )



Created Date	2019-07-18 23:42:09	Last-Modified	2019-07-18 23:44:40
Course Title	PERCEPTION & PSYCHOPHYSICS PRACTICUM	Credit	3
Location	WDH409	Time	Tue2,3,Thu2

Instructor	PARK, SOO JIN	Department	문과대학 심리학
Office		Telephone	
e-mail & Office Hour			
Instructor	CHAE MIN JUNG	Department	문과대학 심리학
Office		Telephone	
e-mail & Office Hour			

Core Competencies			
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Target Students	Undergraduate psychology majors
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Course Description & Goals	<p><b>*THIS IS A PRELIMINARY SYLLABUS*</b></p> <p>Perception is central to our daily interactions with the world: we can effortlessly navigate through a city, comprehend fast movie trailers, and find a friend in a crowd through visual and auditory perception. While we take the rich perceptual experience for granted, visual perception involves a series of complicated cognitive processes beyond just opening our eyes. The goal of this course is to introduce students to the field of perception with special emphasis in vision. The course will introduce students to existing theoretical frameworks and recent research findings in the field of visual perception. We will explore questions such as: How do we see the visual world? Do we see and remember correctly what's in the physical world? How many items can we keep track of and remember at a time? How is the visual system structured and what are the neural mechanisms underlying visual perception?</p>
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Prerequisite	None, but Intro Psychology & Experimental Methods in Psychology highly recommended
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Course Requirements	<p>Lecture and class discussions Midterm and final examinations Reading quizzes each week 1 Research Paper Participation in psychology department experiment</p> <p>* Readings: Course material will be drawn from primary (research reports), secondary (review/theory articles), and tertiary (textbook) sources. There is no single textbook for the course for three reasons: First, there is no existing book with suitable coverage and depth. Second, visual perception field is a rapidly evolving field and many of the most exciting findings are new. Third, direct sources more accurately convey the hypotheses, methods, and issues involved in conducting research. Reading research papers takes practice, so you might find some of the material challenging. Because of this, the readings at the beginning of the semester were chosen to be more accessible. While readings are chosen to provide a more in-depth</p>
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	understanding of each materials, lectures are designed to cover the breath of the rapidly growing field of visual perception. Thus lectures will only partially overlap with the readings, so it is essential that you attend classes. Readings will be available as PDF through the course website.
Grading Policy(Absolute)	30% Midterm 30% Final 20% Term paper 10% Reading Quizzes 5% Research Credit 5% Attendance
Texts & References	
Instructor's Profile	Assistant Professor, Department of Psychology, Yonsei University Ph.D. in Psychology, Yale University (2008) <a href="http://parklab.yonshopkins.edu/">http://parklab.yonshopkins.edu/</a>
TA's Name & Contact Information	TBA
Syllabus in English	YES

Week	Period	Weekly Topic & Contents	Course Material Range & Assignments	Reference
1	2019-09-02 2019-09-08	Introduction The Visual System	Enns (2004) "What is vision science?"	(9.2.) Fall semester classes begin (9.5. - 9.9.) Course add and drop period
2	2019-09-09 2019-09-15	The Visual System	Palmer (1999) "Visual systems"	(9.5. - 9.9.) Course add and drop period (9.6.) Upon Professor's approval, class may be replaced by Yon-Kojeon (9.12. - 9.14.) Chuseok Holiday
3	2019-09-16 2019-09-22	Color Depth & Space	Snowden et al. (2006) "Colour vision" Sacks (2006) "Stereo Sue"	
4	2019-09-23 2019-09-29	Edges & Surfaces	Nakayama et al. (1995) "Visual surface representation ..."	
5	2019-09-30 2019-10-06	Shapes & Objects	Biederman (1987) "Recognition-by-components ..." Tarr & Bülthoff (1998) "Image-based object recognition ..."	(10.1. - 10.4.) Course withdrawal period (10.3.) National Foundation Day
6	2019-10-07 2019-10-13	Categories	Kanwisher (2010) "Functional specificity in the human brain ..."	(10.9.) Hangul Proclamation Day (10.10.) First third of the semester ends
7	2019-10-14	Faces	Sugita (2008)	

	2019-10-20		"Face perception in monkeys..."	
8	2019-10-21 2019-10-27	-Midterm-		(10.21. - 10.25.) Midterm Examinations
9	2019-10-28 2019-11-03	Audition		
10	2019-11-04 2019-11-10	Scenes and spatial perception	Epstein & Kanwisher (1998) "A cortical representation of the local..."	
11	2019-11-11 2019-11-17	Spatial Attention Temporal Attention	Chun et al. (2011) "A taxonomy of external and internal attention"	(11.15.) Second third of the semester ends
12	2019-11-18 2019-11-24	Attention: Features, Objects, & Categories Consciousness and perception	Scholl (2001) "Objects and attention: the state of the art" Simons & Levin (1998) "Failure to detect changes to people ..."	
13	2019-11-25 2019-12-01	Visual Memory	Luck & Vogel (1997) "The capacity of visual working memory ..." Alvarez & Cavanagh (2004) "The capacity of visual short-term memory ..."	
14	2019-12-02 2019-12-08	Learning: Perceptual Learning & Associative learning Connections: Vision and Language, Art & Design	Goldstone (1998) "Perceptual learning"	
15	2019-12-09 2019-12-15	Reading period		(12.9. - 12.20.) Self-study and Final Examinations
16	2019-12-16 2019-12-22	-Final-		(12.9. - 12.20.) Self-study and Final Examinations

## \* Changes in Management of Academic Semester

During the midterm examinations (2022.10.20. - 10.26.) and final examinations (2022.12.15. - 12.21.) period, classes or self-study should be continued unless there is an exam scheduled during the week.

\* According to the University regulation section 57-2, students with disabilities can request special support related to attendance, lectures, assignments, or exams by contacting the course professor at the beginning of semester. Upon request, students can receive such support from the course professor or from the Center for Students with Disabilities(OSD). The following are examples of types of support available in the lectures, assignments, and exams:

(However, actual support may vary depending on the course.)

[Lecture]

- Visual Impairment: alternative, braille, enlarged reading materials, note-taker
- Physical Impairment: alternative reading materials, access to classroom, note-taker, assigned seat
- Hearing Impairment: note-taker/stenographer, recording lecture
- Intellectual Disability/Autism: note-taker, study mentor

[Assignments and Exam]

- Visual, Physical, Hearing Impairment: extra days for submission, alternative type of assignment, extended exam time, alternative type of exam, arranging separate exam room, and proctors, note-taker
- Intellectual Disability/Autism: personalized assignments, alternative type of evaluation

