

PSK 225 Experimental Psychology I: **Learning and Memory**

TUESDAY 13:00 – 15:50

Room: G412

“Learning does not make one learned: there are those who have knowledge and those who have understanding. The first requires memory and the second philosophy.”

Alexandre Dumas

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Course description

This course will focus on understanding the two basic cognitive processes, i.e. memory and learning, from philosophical, behavioral and anatomical points of view. Therefore when you are finished, you will be able to

- ✓ understand the historical & philosophical background of experimental and cognitive psychology
- ✓ understand why learning and memory are the basic elements of cognitive and experimental psychology and why they are actually inseparable
- ✓ localize crucial brain areas responsible for memory and learning
- ✓ describe, interpret and criticize various theories of memory and learning

Textbook

Cluck, M. A., Mercado, E. & Myers, C.E. (2013). Learning and Memory: From Brain to Behavior (2nd ed.). New York: Worth Publishers.

Other material

Lecture slides & the notes you will take about whatever the instructor mentions in class 😊 (The instructor will provide you the slides prior to each lecture!)

Assessment Methods	Contribution to total grade (%)	Date	Explanation
Midterm exam	25	Midterm Week	Based on topics discussed in the lecture & relevant chapters from textbook
3 Quizzes	10 each, 30 in total	Will be announced a week before the quiz	What they will cover will be announced a week before the quiz
1 Experiment Report	20	Will be announced on the 3rd week	Memory Experiment done by a group of 3, which will be reported till the end of the semester
Final exam	25	Finals Week	Final will NOT cover everything from the beginning; it will be just like a 2 nd Midterm

Tentative Course Schedule

Date	Topic	Reading
Week1 27.09.2016	Getting Acquainted & The psychology of learning and memory	Cluck, Ch.1
Week2 04.10.2016	The neuroscience of learning and memory: Nervous System	Cluck, Ch.2
Week3 11.10.2016	The neuroscience of learning and memory: The Neuron	Cluck, Ch.2
Week4 18.10.2016	Episodic and Semantic Memory	Cluck, Ch.3
Week5 25.10.2016	Skill memory	Cluck, Ch.4
Week6 01.11.2016	Working Memory and Executive Control	Cluck, Ch.5
Week7 08.11.2016	MIDTERM EXAM	
Week8 15.11.2016	Non-Associative Learning	Cluck, Ch.6
Week9 22.11.2016	Classical Conditioning	Cluck, Ch.7
Week10 29.11.2016	Instrumental Conditioning	Cluck, Ch.8
Week11 06.12.2016	Emotional Learning and Memory	Cluck, Ch.10
Week12 13.12.2016	Observational Learning	Cluck, Ch.11
Week13 20.12.2016	Learning and Memory across the lifespan	Cluck, Ch.12
Week14 27.12.2016	Language Learning	Cluck, Ch.13
