

Type: Foundation

Course Objectives

The objective of this course is to help students learn the practical application of scientific nature of different psychological and psycho physiological processes. The course includes different experiments with the help of which the students will be able to demonstrate the applicability of various psychological processes.

Course Contents

Following Experiments shall be performed by the students:

List of Experiments

- Exp # 1: Studying Human Learning as a function of repeated Trials & Errors (Psychomotor Learning)
- Exp # 2: Studying bilateral transfer of learning from preferred hand to non preferred hand. (Perceptual motor learning)
- Exp # 3: Locating & Mapping the blind spot area of the Retina of Eye.
- Exp # 4: Mapping the color zone of the retina of human eye.
- Exp # 5: Producing standard gray color by mixing other colors.
- Exp # 6: Studying the process of Memorizing (rote learning) a list of Mono-syllable as a function of repeated trials.
- Exp # 7: Studying serial position effect in verbal Learning as a function of repeated trials.
- Exp # 8: Studying Retroactive inhibition as a function of interpolated activity.
- Exp # 9: Studying proactive learning as a function of interpolated activity in verbal learning.
- Exp # 10: Studying Learning & Retention of verbal material as a function of meaningfulness of learning material.

Course Outcome

By the end of this course the students will be able to learn application and demonstration of various psychological processes

Recommended Books

Jani, B. K., (2006). *Experimental Psychology*. India: Pointer.

Mathew, Kantowitz, B.H., Roediger, H.L., & Elmes, D.G. (2009). *Experimental psychology*. (9th ed.). USA: Wadsworth Publishing.

Maclin, M.K., & Solso, R.L., (2008). *Experimental psychology: A Case approach*. (8th ed.). London: Pearson Education.

Martin, D.W. (2007). *Doing psychology experiments*. (7th ed.). Australia: Wadsworth Publishing.

Myer, A., & Hansen, C. H., (2011). *Experimental psychology*. (7th ed.). Australia: Wadsworth Publishing.

Myer, A., & Hansen, C. H., (2006). *Study guide for experimental psychology*. (2006). Australia: Wadsworth Publishing.

Postman, L., & Egan, J.P. (1967). *Experimental psychology: An introduction*. New York. Harper & Row Publishers.

Woodworth, R.S. & Scholberg, H. (1950). *Experimental psychology*. (Revised ed.). London: Methew & Co. Ltd.