**PSY-502 Quantitative Research Methods Cr. Hrs. 3**

**Learning Objectives**

The purpose of this course is to provide graduates with an understanding about quantitative research methods. The general goals of this course are that:

* Increase understanding of the role of research methods in Psychological Science.
* Understanding of experimental design, surveys and other research methods
* Learn how to carry out data collection and analysis
* Learning how to write report in APA format
* Understand and apply statistical principles in research design
* Thinking critically about psychology research findings
* Learn how to plan your own research study, and preparing a synopsis
* Honing research skills

**Learning Methodology**

* A common introduction with lectures and discussion
* In-class activities include readings on a given topic, (ensuring student participation)
* Undertaking a group research project

**Text Book**

Shaughnessy et al. (2012). Research Methods in Psychology. Ninth Ed. McGraw-Hill

**Reference Articles/Books**

Goodwin, J. (2010). Research in Psychology. Sixth Ed. N.Y: John Wiley

Flory J, Emanuel E. Interventions to Improve Research Participants' Understanding in Informed Consent for Research: A Systematic Review. *JAMA.* 2004;292(13):1593-1601. doi:10.1001/jama.292.13.1593.

Glass, G. V. (1976). Primary, secondary, and meta-analysis of research. *Educational researcher*, 3-8.

Baruch, Y., & Holtom, B. C. (2008). Survey response rate levels and trends in organizational research. *Human Relations*, *61*(8), 1139-1160.

Hinkin, T. R. (1995). A review of scale development practices in the study of organizations. *Journal of management*, *21*(5), 967-988.

Horner, R. H., Carr, E. G., Halle, J., McGee, G., Odom, S., & Wolery, M. (2005). The use of single-subject research to identify evidence-based practice in special education. *Exceptional Children*, *71*(2), 165-179.