

## PSYC 3257EL 01: DESIGN AND ANALYSIS II (2007) COURSE OUTLINE

**INSTRUCTOR:** Rashmi Garg

**Office Hours:** Rashmi Garg: Mondays 3:00-4:00 p.m. in Room A228  
Tuesdays 3:30-5:30 p.m. in Room A228

**Teaching Assistant:** Diana Osburn:

**Note:** Please feel free to see me during office hours or any other time I am in the office. They are designed to help you.

**Textbooks:**

1. Tabachnick, B.G., & Fidell, L.. *Using multivariate statistics*. Harper Collins.
2. Design and Analysis II: Annotated Computer Printouts by R. Garg. Purchase it from Psychology Department for \$25.00 (A222).
3. Howell, D.C. *Statistical methods for psychology*.

**Note:** It is important that you get all textbooks to get the most out of the course.

**Reference Books:**

1. Green, S.B., & Salkind, N.J. (2003). *Using SPSS for Windows and MacIntosh: Analyzing and understanding data* (3<sup>rd</sup> ed.). Prentice-Hall.
2. Steward, J.P. *Applied multivariate statistics for social sciences* (4<sup>th</sup> ed.).

TOPICS	Books/Chapters
Bivariate correlations, partial correlations	1 / 2, 3 / 9
Simple regression	3 / 9
Analysis of covariance	1 / 8, 3 / 16
Multiple regression	1 / 5, 3 / 15
Discriminant analysis	1 / 11
Multivariate analysis of variance	1 / 9
One-way (two groups)	1 / 9
One-way (K-groups)	1 / 9
Factorial multivariate analysis of variance	1 / 9
Exploratory factor analysis	1 / 13

## **Computer Labs**

There will be two computer labs per week: on Wednesdays on the following time periods:

Lab 1: Wednesdays, 11:30 to 1:00 in Room C305

Lab 2: Wednesdays, 1:00-2:30 p.m. in Room C305

You need to attend only one of the labs. The attendance to the lab is mandatory. In each lab, a small assignment will be given which needs to be completed in the laboratory time. Absolutely no lab assignments will be accepted outside of the lab time. There will be nine to ten lab assignments. Marks for the best 8 assignments will be counted towards the final grade.

## **Take-Home Assignments**

- ✓ There will be two to three take-home assignments.
- ✓ In assignments (lab and take-home), absolutely no copying from each other. If caught, a mark of zero will be assigned.

<b><u>GRADE ALLOCATION:</u></b>	Lab Assignments . . . . .	35%
	Take-home assignments . . . . .	20%
	Final Exam . . . . .	45%