

**Measurement and Evaluation (EDP 380P)**  
Summer, 2014

INSTRUCTOR: Barbara G. Dodd

OFFICES: SZB 538L, Sanchez Building

OFFICE HOURS: Monday, Tuesday, and Wednesday, 1:00 to 2:00 and by appointment

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OPTIONAL TEXT: Reynolds, C. R. & Livingston, R. B. (2012). *Mastering Modern Psychological Testing*. Upper Saddle River, NJ: Pearson.

REQUIRED TEXT: A packet of selected reading available from Jenn's Copy & Binding, 2200 Guadalupe St., (512)482-0779.

**COURSE REQUIREMENTS:**

1. Take-home exam over unit I
2. In-class exam over unit II
3. Take-home exam over unit III
4. In-class exam over units IV

EVALUATION: Grades will be based on an average of the four requirements above, with each counting equally.

GRADES: 93% or more A  
90% to 92% A-  
87% to 89% B+  
83% to 86% B  
80% to 82% B-  
etc.

**ADA ACCOMMODATIONS:**

The University of Texas at Austin provides upon request appropriate academic accommodations for qualified students with disabilities. For more information, contact the Office of the Dean of Students at 471-6259, 471-4641 TTY.

**RECOMMENDED SUPPLEMENTARY REFERENCES:**

Cohen, R. J., & Swerdlik, M. E. (2012). *Psychological testing and assessment: An introduction to tests and measurement*. (8th ed.). Boston: McGraw Hill.

Miller, M. D., Linn, R. L., & Gronlund, N. (2012). *Measurement and assessment in teaching*. (11th ed.). Englewood Cliffs, NJ: Prentice Hall.

Thorndike, R. M. & Thorndike-Christ, T. (2011). *Measurement and evaluation in psychology and education*. (8th ed.). Upper Saddle River, NJ: Prentice Hall.

OUTLINE OF TOPICS AND OPTIONAL READING ASSIGNMENTS:

TOPICS	READINGS
I. Psychometric Principles and Procedures	
A. General principles and basic concepts	Ch. 1
B. Test administration and scoring	Ch. 1
C. Social and ethical implications of testing	Ch. 17
D. Descriptive statistics	Ch. 2, pp. 37-54
E. Scores and norms	Ch. 3
II. Psychometric Theory: Types of Reliability and Validity	
A. Correlation methods	Ch. 2, pp. 55-70
B. Reliability estimation and interpretation	Ch. 4
C. Validity estimation and interpretation	Ch. 5
III. Designing Tests	
A. Behavioral objectives	
B. Item writing	Ch. 6
C. Item analysis	Ch. 7, pp. 222-235
D. Attitude scales	Ch. 6, pp. 214-220
IV. Testing in Educational Settings	
A. Uses of tests	
B. Individual tests	Ch. 9
C. Group Tests	Ch. 8
D. Testing special populations	Ch. 16
E. Psychological issues	
F. Interest Inventories	Ch. 12, pp. 408-412

TENTATIVE SCHEDULE:

- 6/9 Introduction, General Principles
- 6/10 Test Administration, Social and Ethical Implications
- 6/11 Descriptive Statistics, Scores and Norms - Exam I
- 6/16 Exam I due, Correlation and Regression
- 6/17 Reliability
- 6/18 Reliability, Validity
- 6/23 Validity, Review
- 6/24 Exam II, Behavioral Objectives
- 6/25 Item Writing - mc & essay, Item Analysis - mc & essay
- 6/30 Item Writing & Item Analysis - attitude scales
- 7/1 Exam III, Use of Ed. Tests, Individual Tests
- 7/2 Group Tests, Special Populations
- 7/7 Exam III due, Psychological Issues, Interest Inventories
- 7/8 Review/CIS
- 7/9 Exam IV

EXAM DATES:

- I 6/11 due 6/16
- II 6/24
- III 7/1 due 7/7
- IV 7/9