

DEREE COLLEGE SYLLABUS FOR:

PS 3332 TESTS AND MEASUREMENT-LEVEL 5
(Updated Fall 2015)

3/1^{1/2}/4

UK CREDITS: 20

PREREQUISITES: PS 1000 Psychology as a Natural Science
PS 1001 Psychology as a Social Science
PS 2147 Analysis of Behavioral Data – Level 4

CATALOG

DESCRIPTION: Comprehensive knowledge of the theory and practice of psychological testing and assessment. Statistical analysis and in-depth understanding of the psychometric properties of tests. Evaluation of intelligence, educational, and personality tests. Application of testing and assessment in various applied settings. One hour per week laboratory practice session complements the lectures.

RATIONALE: This is an essential course for all psychology majors. It comprises the basic concepts of psychological testing and measurement, as well as issues regarding administration and interpretation of test results. It provides students with knowledge and skills essential to all areas of specialization in the field of psychology.

LEARNING OUTCOMES:

As a result of taking this course, the student should be able to:

1. Present a historical perspective of psychological measurement and assessment.
2. Discuss cultural and ethical considerations in testing and assessing of individuals or groups.
3. Describe the process of standardization and norming, estimate the different psychometric properties of tests, including test reliabilities and validities.
4. Discuss the relative strengths and weaknesses of intelligence tests, aptitude/achievement, objective and projective personality tests.
5. Application of assessment measurement in clinical, counselling, school, forensic, health, and industrial settings.

METHOD OF TEACHING AND LEARNING:

In congruence with the learning and teaching strategy of the college, the following tools are used:

- Class lectures will consist of demonstrations of the material presented, videos, discussions, group and individual work, role play examples
- Interactive learning (class discussions, group and individual work) and practical hands-on problems solved in class.
- Use of the one-way mirror to demonstrate administration of tests.
- Blackboard site
- Office hours

ASSESSMENT:

| | | |
|---|-----|---|
| Weekly Laboratory Exercises- formative | 0% | Hands-on application of the material presented in class |
| One empirical research paper (2,500 words each) - summative | 40% | Literature review of the psychometric properties of an instrument, data analyses, interpretation and discussion |
| In-class final examination (2-hour, comprehensive) - summative | 60% | Essay questions (Choice: 3 out of 5) |

The formative *lab exercises* aim to prepare students for the summative exams.

The empirical research paper tests Learning Outcomes 4 and 5; whereas the final examination tests Learning Outcomes 1, 2, and 3.

READING LIST:

1. Required Textbook:

Cohen, R. J., & Swerdlik, M. E. (2002). *Psychological testing and assessment: An introduction to tests and measurement* (5th ed.). Boston, MA: McGraw Hill Higher Education.

Cohen, R.J. (1996) *101 Exercises in psychological testing and measurement* (3rd Ed.). Mountain View, CA: Mayfield Publishing Company.

2. Further Reading:

Anastasi, A. *Psychological testing* (8th Ed.) New York: Macmillan, 1988.

Lanyon, R. I. & Goodstein, L. D. (1997). *Personality assessment* (3rd Edition). New York: John Wiley & Sons, Inc.

Murphy, K. R. & Davindshofer, C. O. (1994). *Psychological testing. Principles and applications*. New Jersey: Prentice Hall.

APA. *Standards for Educational and Psychological Testing*. American Psychological Association, 1985.

American Psychological Association. (2000). *Standards for educational and psychological testing*. Washington DC: American Psychological Association.

RECOMMENDED MATERIAL:

Advances in Personality Assessment
Advances in Psychological Assessment

WWW RESOURCES:

Division 5 of the American Psychological Association, Evaluation Measurement and Statistics

<http://www.apa.org/divisions/div5/>

American Psychological Association

<http://www.apa.org/science/testing.html>

*<http://www.aera.net/divisions/d/>

Psychological Testing

www.psychologicaltesting.com

INDICATIVE CONTENT: I. Lecture

PART I. AN OVERVIEW

1. Psychological Testing and Assessment
2. Historical, Cultural and Ethical Considerations

PART II. THE SCIENCE OF PSYCHOLOGICAL MEASUREMENT

3. A Statistics Refresher
4. Norms, Correlations, and Inferences
5. Reliability
6. Validity
7. Test Development

PART III. THE ASSESSMENT OF INTELLIGENCE

8. Intelligence and Its Measurement
9. Tests of Intelligence
10. Preschool and Educational Testing

PART IV. THE ASSESSMENT OF PERSONALITY

11. Personality Assessment: An Overview
12. Personality Assessment Methods

PART V. TESTING AND ASSESSMENT IN ACTION

13. Clinical and Counselling Assessment
14. Neuropsychological Assessment
15. The Assessment of People With Disabilities
16. Assessment, Careers, and Business
17. Computer-Assisted Psychological Assessment

II Laboratory

1. Statistics Refresher
2. Reliability and Validity
3. Test Construction
4. Item Analysis
5. Measures of Intelligence
6. Intelligence Report Writing
7. Objective and Projective Personality Testing
8. Personality Report Writing