DEREE COLLEGE SYLLABUS FOR:

PS 3032 TESTING AND ASSESSMENT-LEVEL 5
(Updated Spring 2015)

PREREQUISITES:

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 achievement, intelligence, cognitive, neuropsychological and personality tests. Application of testing and assessment in various applied settings. Laboratory practice sessions complements the lectures.

RATIONALE: This course surveys the theory and practice of psychological testing and measurement, the application of psychological tests and assessment in educational, clinical, and industrial/organizational settings, and offers both didactic and hands-on training in psychometric theory and techniques. Topics covered include history of psychological testing, controversies and ethical issues in testing and assessment; psychometric and test development principles and techniques (standardization and norming, reliability, validity, and utility; item analysis); review of intelligence, achievement, personality, cognitive, neuropsychological testing and applications in diverse settings and populations. The course aims to provide students with knowledge and practical skills relevant to all areas of specialization in the field of psychology and complements modules teaching research methodology.

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 assessment of individuals and/or groups.
3. Discuss major assessment applications in various settings (e.g. clinical, counselling, school, forensic, health, and industrial settings).
4. Demonstrate a solid understanding of basic concepts in psychometrics (i.e., standardization and norming procedures, reliability, validity, utility, test development and item analysis).
5. Discuss the utility as well as the relative strengths and weaknesses of intelligence tests, aptitude/achievement, objective and projective personality tests.
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 and Blackboard.
- Use of the one-way mirror to demonstrate administration of tests.
- Blackboard site
- Office hours

ASSESSMENT:

| Weekly class and home exercises-formative | 0% | Hands-on application of the material presented in class |
| One research paper - summative | 40% | Validation study of the psychometric properties of an existing instrument (brief description, data analyses and/or collection, interpretation and conclusions); 2,500 to 3,000 words. |
| 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 assessments.
The research paper assesses Learning Outcomes 4 and 5.
The final examination assesses Learning Outcomes 1, 2, 3, 4 with emphasis on 1, 2 & 3.

READING LIST: 1. Required Textbook:


2. Further Reading:


**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
American Board of Assessment Psychology
www.assessmentPsychologyBoard.org
Association of Test Publishers
www.testpublishers.org

**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