Evaluation and Assessment: 2PSY 542
3 hours
Reformed Theological Seminary – Orlando
Winter 2010

Instructor: James Coffield, Ph.D.

Prerequisite: Admission to the MAC program.

Course Description: This course teaches the use and application of tests and measurements in diagnosis and assessment of intrapersonal and interpersonal characteristics and function. Test content, validity, reliability, purpose, limitations, ethics and administration are compared and evaluated. Stress is placed on the interpretation of test results to the client population. *This class meets CACREP requirements for Assessment curriculum as stated in Section 7 of the academic standards of accredited programs.

Format: An experiential component of this class will facilitate the learning. All students will be required to take a battery of assessment tools (listed below), each student will apply their understanding of testing to their own results – they will give and receive feedback on the data provided by the assessment tools. Additionally, they will be required to show a basic understanding of terms and concepts in the area of assessment. Required testing battery: MMPI-2, Firo-B, MBTI, DiSC, Prepare/Enrich, Taylor-Johnson.

Objectives: A successful student at the completion of this course will be able to…

- Articulate a philosophy of testing and assessment (this philosophy of testing should include an understanding of historical perspectives concerning the nature and meaning of Assessment –CACREP 7.a,g)
- Become sensitive to the social and ethical implication of testing and to the limits of testing (CACREP 7.f,i)
- Become familiar with and acceptably proficient with test administration and interpretation.(CACREP 7.h.)
- Understand, define and describe basic concepts of testing (such as: reliability, validity, norms, factor analysis ; CACREP 7. b,c,d,e)
- Use test results in their own self evaluation and be able to use some limited tests in their own practice. (CACREP 7.h)
- Administer and interpret a testing instrument to clients in clinic under supervision.
- Become trained and certified with the Prepare/Enrich martial counseling and assessment instrument.

Note: each student will also need to schedule a 30 min individual appointment with the instructor (MMPI-2 feedback) and sign-up to take two tests on-line (about 2 hours)
Assignments/Requirements:
1. Reaction and reflection: each student will react to the information given to them from each testing experience; including discussing the appropriate use of the instrument in a counseling practice. (35%)
2. Definition sheet (35%)
3. Take home final (15%)
4. Attendance (15%)
5. Certification and supervised training in the use of Prepare/Enrich

Terms, definitions and outline
Texts are on reserve in the library

Test Construction...
Classical test theory
\[ X = T + E \]
Measurement error / random error
Reliability
Reliability coefficient
Test-retest reliability
Alternative forms (Equivalent, Parallel)
Split half
Inter-rater reliability (inter-scorer, inter-observer)
Factors that affect the reliability coefficient (Test length, range of test scores, guessing)
Interpreting of reliability
  - Standard error of measurement
  - Confidence interval
Validity
Content validity
Criterion-related validity
Face validity
Factor analysis
Concurrent vs. Predictive validity
True positive
False positive
True negative
False negative
Norm-referenced test
Percentile ranks
Standard scores
Age / grade equivalents
Criterion related interpretations (percentage scores, mastery scores)
Standardized test
Objective vs. subjective tests
Maximum vs. typical performance test
Speed vs. power tests
Actuarial vs. Clinical predictions
Computer assisted assessment
Computer-based test interpretation
Special populations
- Elderly
- Children
- Multicultural assessment
- Conservative Christians
Intelligence testing
- Heredity vs. Environmental influences
- Flynn effect
- Differences in IQ related to race and ethnicity
- Measures of IQ
  - Stanford-Binet Intelligence Scale
  - Wechsler scales
    - WAIS-R – Wechsler Adult Intelligence Scales, Revised
    - WISC-III – Wechsler Intelligence Scale for Children
    - WPPSI-R – Wechsler Primary & Preschool Scale of Intelligence, Revised
“least restrictive environment”
Culture-fair tests
Ability tests
Achievement tests
Aptitude tests
Measures of personality

Projective tests
- Projective hypothesis
- Rorschach Inkblot test
- Exner scoring system
- Thematic Apperception Test (TAT)
- House, Tree, Person
- Informal projective assessment techniques

MMPI-2 (MMPI-A)
California Psychological Inventory
16 PF – Sixteen Personality Factor Questionnaire
Beck depression Inventory
Million Clinical Multiaxial Inventory
MBTI
Norm-referenced scoring
Criterion-referenced scoring
Reasons for testing
Psychological reports
7. ASSESSMENT - studies that provide an understanding of individual and group approaches to assessment and evaluation, including all of the following:
   a. historical perspectives concerning the nature and meaning of assessment;
   b. basic concepts of standardized and nonstandardized testing and other assessment techniques including norm-referenced and criterion-referenced assessment, environmental assessment, performance assessment, individual and group test and inventory methods, behavioral observations, and computer-managed and computer-assisted methods;
   c. statistical concepts, including scales of measurement, measures of central tendency, indices of variability, shapes and types of distributions, and correlations;
   d. reliability (i.e., theory of measurement error, models of reliability, and the use of reliability information);
   e. validity (i.e., evidence of validity, types of validity, and the relationship between reliability and validity;
   f. age, gender, sexual orientation, ethnicity, language, disability, culture, spirituality, and other factors related to the assessment and evaluation of individuals, groups, and specific populations;
   g. strategies for selecting, administering, and interpreting assessment and evaluation instruments and techniques in counseling;
   h. an understanding of general principles and methods of case conceptualization, assessment, and/or diagnoses of mental and emotional status; and
   i. ethical and legal considerations.