SYLLABUS – PSYC 4301

Course Information:
PSYC 4301.001: Tests & Measurement
Spring 2017
Monday & Wednesdays, 4:00 – 5:20 pm

Instructor Information:
Ron Livingston, Ph.D.
Office: BEP 252
Office Phone: 566-7258
E-mail: rlivingston@uttyler.edu (preferred contact)

Course Catalog Description: This course reviews major issues in psychological and educational measurement with an emphasis on test development and the evaluation of psychometric properties. A secondary emphasis is on the application of various psychological tests. Prerequisites: PSYC 1301 & PSYC 3354.

Student Learning Outcomes: The goal of this course is to teach the principles of psychological and educational tests and measurement with special emphasis given to an introduction of psychometric theory and the construction, evaluation, and use of tests. This is an introductory course in tests and measurement. It does not prepare students to administer or interpret psychological tests, this occurs in graduate level courses. It is strongly recommended that students have a statistics course prior to taking this course.

By the end of this course, students should be able to:
- define basic terms and demonstrate an understanding of concepts and issues related to tests and measurement
- apply and interpret statistical procedures related to measurement
- explain, apply, and interpret the results of procedures for assessing the psychometric properties of tests (e.g., reliability, validity, item analysis)
- discuss major assessment applications.

Evaluation & grading: Your grade in this class will be determined by your performance in the following areas:

1) Test 1 and Test 2 will each count as 25% of your grade, and Test 3 will count as 15%.

2) The comprehensive final exam will count as 35% of your grade.

Grade assignment: A = 100 - 90, B = 80 - 89, C = 70 - 79, D = 60 - 69, F < 60.

The course is largely lecture based, but I believe that student participation greatly enhances student achievement. My recommendations for doing well in this class include:
The material is cumulative - don't get behind in your reading or miss class.
While there is considerable overlap between the readings and lectures, there is unique material in both. To perform well you need to master the information in both the readings and lecture (i.e., the tests contain questions covering material from both sources).
Read the assigned material several times until you have a good grasp of it. This will be the first time many of you are introduced to these concepts.
Keep in mind Bloom's Taxonomy - go beyond rote memorization and work towards application, analysis, and synthesis of the concepts.
Come to class prepared to discuss the material - then engage in active discussions. If something is unclear, please speak up. If I go too fast, please let me know.
If you ask a question and my explanation is unclear or inadequate, please ask me to clarify or expand on it. This will be appreciated, not resented.
Attend the tutorial sessions that are offered during the semester.
Contact the instructor if you are having difficulty. Don't wait until you have several poor grades to seek help. I have office hours immediately before class and will typically be available for consultation (appointments recommended).

**Reading Materials:** Specific readings will be posted on UTT BlackBoard.com. These will serve as the primary readings for the course.

**Topical Outline:** The following schedule should be viewed as a flexible guide and adjustments will likely be necessary.

1/20/2017: Orientation & Review of Syllabus
1/25/2017: Introduction to Psychological Assessment (Part 1)
1/27/2017: Introduction to Psychological Assessment (Part 2)
1/2/2017: Basic Statistics of Measurement (Part 1)
2/1/2017: Basic Statistics of Measurement (Part 2)
2/3/2017: Understanding Test Scores (Part 1)
2/8/2017: Understanding Test Scores (Part 2)
2/10/2017: Review for Test 1
2/15/2017: **TEST 1**
2/17/2017: Classical Test Theory & Measurement Error
2/22/2017: Reliability
2/24/2017: Reliability & SEM/Confidence Intervals
2/29/2017: Validity
3/2/2017: Validity (Part 2)
3/14/2017: **Spring Break**
3/16/2017: Item Analysis
3/21/2017: Review for Test 2
3/23/2017: **TEST 2**
3/28/2017: Assessment of Intelligence & Achievement (Part 1)
3/30/2017: Assessment of Intelligence & Achievement (Part 2)
4/4/2017: Neuropsychological Assessment
4/6/2017: Assessment of Personality (Part 1)
4/11/2017: Assessment of Personality (Part 2)
4/13/2017: Review for Test 3
4/18/2017: TEST 3
4/20/2017: Forensic Applications
4/25/2017: Industrial/Organizational & Behavioral Assessment
4/27/2017: Review for Final
5/4/2017: Final
I value your feedback about this course. While we complete formal course evaluations near the end of the semester I appreciate your feedback throughout the course. If you have any suggestions for how I can make this a better learning experience, please share them with me. This can be done in person or you can provide your suggestions anonymously through this form (or an informal note).

1) What do you like about this course?

2) What do you dislike about this course?

3) What can the instructor do to make the course better?

4) Please provide any additional feedback you have for the instructor.