

Tests and Measurement - Psy 306

Busch Science Center Room # 160

6:45pm-9:15pm

Monday

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Course Objectives:

This course will introduce you to the topics associated with Tests and Measurement as it is used in Psychology. The course will focus on giving you:

1. An understanding of the importance of tests and measurement in modern society and the behavioral sciences
2. An understanding of how to apply statistical analyses to create better metrics
3. An understanding of the role that reliability and validity play in the development of metrics
4. Knowledge to create metrics using different types of items and forms
5. Knowledge to create metrics to measure a specific area of interest such as intelligence, personality, aptitude, or potential careers

Books/Tools

Required:

Tests and Measurement for People Who (Think They) Hate Tests and Measurement (1st edition)

Neil J. Salkind

\$58.50 New/\$25.00 used (soft cover)

Recommended:

Publication Manual of the American Psychological Association (6th edition)

\$21.34

What is expected of Students:

Reading/Keeping up with the course- I expect all students to read the assigned chapters before class. Be able to discuss important concepts and terms from each chapter.

Participation- I expect all students to participate. Some of the activities in class will force participation from everyone, so be prepared to speak about the concepts. You will be graded on your level of participation!

Tardiness- Being late is tolerable, and I may be late once in a while myself. Interruption of the course due to coming in late will be unacceptable.

Cell Phones/Laptops- Please silence your phones and don't use your laptops unless we are doing internet work.

Attendance- Although I will not take attendance during every class, I expect all students to attend all classes. This is the only way that the material can be learned. **THERE WILL NOT BE MAKE UPS FOR MISSED QUIZZES OR ASSIGNMENTS WITHOUT A MEDICAL OR FAMILY EMERGENCY!!!**

Students with Disabilities

Rollins College is committed to equal access and does not discriminate unlawfully against persons with disabilities in its policies, procedures, programs, or employment processes. The College recognizes its obligations under the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 to provide an environment that does not discriminate against persons with disabilities. If you are a person with a disability and anticipate needing any type of academic accommodations in order to participate in your classes, please make timely arrangements by disclosing this disability in writing to the Disability Services Office at (Campus Box 2613) - Thomas P. Johnson Student Resource Center, 1000 Holt Ave., Winter Park, FL, 37289; call 407- 646-2354 for an appointment; or email: gridgateway@rollins.edu.

Academic Honor Code

Membership in the student body of Rollins College carries with it an obligation, and requires a commitment, to act with honor in all things. Because academic integrity is fundamental to the pursuit of knowledge and truth and is the heart of the academic life of Rollins College, it is the responsibility of all members of the College community to practice it and to report apparent violations.

The following pledge is a binding commitment by the students of Rollins College:

The development of the virtues of Honor and Integrity are integral to a Rollins College education and to membership in the Rollins College community. Therefore, I, a student of Rollins College, pledge to show my commitment to these virtues by abstaining from any lying, cheating, or plagiarism in my academic endeavors and by behaving responsibly, respectfully and honorably in my social life and in my relationships with others.

This pledge is reinforced every time a student submits work for academic credit as his/her own. Students shall add to all papers, quizzes, tests, lab reports, etc., the following handwritten abbreviated pledge followed by their signature:

“On my honor, I have not given, nor received, nor witnessed any unauthorized assistance on this work.”

Material submitted electronically should contain the pledge; submission implies signing the pledge.

Grading Criteria (500 pts)

This course is focused on how tests are developed and validated. Your grade will be based on class activities, journal article reviews, and creation of test items. To help you focus and keep you interested, you will have to choose a topic area that uses standardized and validated metrics. Due to everyone’s ability to email their work, **no assignments will be accepted after their due date (1 week from the night they were assigned).**

Class Activities (100 pts) - There will be numerous in class activities that will require your presence. These will range from interviewing classmates to coming up with test items in a group. You will not be able to make these up, so don’t miss those classes!

Journal Articles (100 pts) –You will conduct 9 separate article searches (1 article for each search is needed) throughout the semester. Each search will require you to find a different type of article as part of the assignment. You will also need to create a reference list of these articles in APA format for your portfolio.

Test/Item Creation (100 pts) - You will create multiple test items throughout the semester. These will usually be part of a class activity, but you will need to eventually put them into an electronic format for your final assignment. Some will be exemplars of good items and bad items.

Course Portfolio (200pts) - An APA format collection integrating the journal articles you’ve read and the test items you’ve developed throughout the semester. This document will include: An APA format cover page; a brief introduction summarizing your topic area and the metrics that are most highly identified with that area; a brief summary of the 10 journal articles you reviewed and their importance to that topic area; an APA format collection of all of the items you created throughout the semester; and an APA format reference list of the journal articles you collected.

Grade Appeals: if you feel you have received an unfair grade, please speak to me after class. ***DON’T WAIT!!!***

Course Layout and Schedule

Date	Assignments/Activities	Topic
January 23rd	pg. 20 Class memory activity	Review Syllabus
January 30th	<u>Choose a topic for course</u> <i>Pg. 20 journal article</i> <i>Pg. 35 journal article</i>	Chapters 1, 2, & 3 Why Measurement? Levels of Measurement Reliability
February 6 th	Pg. 35 Class activity <i>Pg. 60 journal article</i> <i>Pg. 77 journal article</i>	Chapters 4 & 5 Validity Norms and Percentiles
February 13 th	Pg. 105 Class activity Pg 115 Class Activity/Test Creation Pg. 129 Class Activity/Test Creation	Chapter 6 & 7 Short Answer completion items Essay Items
February 20th	Pg. 154 Class Activity/Test Creation Pg. 164 Class Activity/Test Creation	Chapters 8 & 9 Multiple Choice items Matchmaking
February 27th	Pg. 177 Class Activity/Test Creation Page. 199 Class Activity/Test Creation <i>Pg. 187 journal article</i>	Chapter 10, 11, & 12 True/False Portfolios Interviews
March 5th		SPRING BREAK NO CLASS
March 12th	<i>Pg. 219 journal article</i>	Chapter 13 Achievement Tests
March 19th	<i>Pg. 235 journal article</i> Pg. 235 Class Activity	Chapter 14 Personality Tests
March 26th	Pg. 248 Class Activity	Chapter 15 Aptitude Tests
April 2nd	<u>Draft of Portfolio Due</u> Pg. 266 Class Activity <i>Pg. 266 journal article</i>	Chapter 16 Intelligence Tests
April 9th	OPTIONAL Take the SDS for \$4.95 Hand in results for extra credit (20 points)	Chapter 17 Career Choices
April 16th	Pg. 297 Class Activity/Test Creation	Chapter 18 Test Bias
April 23rd	<i>Pg. 314 journal article</i>	Chapter 19 Law, Testing, and Ethics
April 30th	<u>FINAL DAY TO HAVE PORTFOLIO REVIEWED</u>	N/A
May 7th	Final Portfolio Due	N/A