Division: Theoretical and Behavioral Foundations  
Program Area: Evaluation & Research  
Course: EER 7610, Evaluation and Measurement  
Day/Time: Monday, Oakland Center / 4:30 pm - 8:10 pm.  
Term/Year: Spring, 2015  
Instructor: Dr. Shlomo Sawilowsky, Professor  
Office: #371 EDUC, College of Education, Wayne State University, Detroit, MI 48202  
Office Hours: Monday, Oakland Center, 3:30 – 4:30 pm by appointment.  
Office Telephone: 313.577.5244*  
Secretary: Sheri Martini  
(e-mail: shlomo@wayne.edu)  
Telephone: 313.577.1614 *(Downtown office)  

Course Description: Principles and practices of evaluation and measurement with special focus on behavioral goals. Informal and formal evaluation strategies. Metrical analyses and standards. Teacher-made tests.  

Course Objectives: The student will acquire skills in the following areas:  

I. Introduction  
   a. Educational Variables  
   b. Scales of Measurement  

II. Planning Teacher-made Mastery-level Tests  
   a. Educational Goal  
   b. Instructional Goal(s)  
   c. Test Blueprint  
      1. Competencies  
   d. Taxonomies  
      2. Gagné  
      3. Ward  
   e. Table of Specifications  
   f. Task Analysis  
      1. prerequisite skills  
      2. enabling skills  
   g. Item Specifications  
      1. stem  
      2. response  
   h. Writing Items do=s and don=ts  

Review for Test 1  

TEST 1
III. Item Analysis
   a. Item Difficulty
   b. Item Discrimination
   c. Distracter Analysis
   d. Mastery-level Analysis

IV. Evaluating Group Performance (Group Statistics)
   a. Distribution of Scores
   b. Measures of Central Tendency
      1. Mean
      2. Median
      3. Mode
   c. Measures of Variability
      1. Standard Deviation
      2. Variance
   d. Measures of Bivariate Analysis
      1. Pearson Product-Moment Coefficient of Correlation

Review for Test II

TEST II: Take-Home Test
Due: Following Week

V. Standardized/Norm Referenced Tests

VI. Classical Theory of Measurement

VII. Reliability
   a. Measures of Internal Consistency
      1. Split Halves
      2. Odd-Even
      3. KR-20; KR-21
      4. Cronbach (Coefficient) Alpha
   b. Test-Retest
   c. Alternate/Parallel Forms

VIII. Validity
   a. Content
   b. Predictive
   c. Concurrent
   d. Construct
IX. Interpreting Standardized Scores
   a. Gaussian Distribution
   b. IQ scores
   c. Z scores
   d. T scores
   e. SAT, GRE scores
   f. Stanines
   g. Percentiles
   h. Grade Equivalent scores
   i. Age Equivalent scores

X. Grading on the Gaussian Curve

Review for Test III

TEST III


Evaluation & Grading:
There will be three tests, averaged with the weights indicated below to produce the final grade.

<table>
<thead>
<tr>
<th>Weight</th>
<th>Date</th>
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<tbody>
<tr>
<td>Test I: 40%</td>
<td>tba</td>
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<tr>
<td>Test II: 30%</td>
<td>tba</td>
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<tr>
<td>Test III: 30%</td>
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Scale

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>A-</th>
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<tbody>
<tr>
<td>90-100</td>
<td>85-89</td>
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<tr>
<td>B+</td>
<td>82-84</td>
<td>B-</td>
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<td>78-81</td>
<td>75-77</td>
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<tr>
<td>C+</td>
<td>72-74</td>
<td>C-</td>
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<td>68-71</td>
<td>65-67</td>
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<td>F</td>
<td>0-64</td>
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</tbody>
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Class dates: May 11, May 18, May 29 (Friday)*, June 1, June 8, June 15, June 22.

NOTES: Monday, May 25 - University is closed for Memorial Day - NO CLASS.
FRIDAY, MAY 29 SCHEDULED AS A MONDAY.
Monday, June 22 - Last Class

IMPORTANT NOTE: TURN YOUR CELL PHONE OFF PRIOR TO CLASS!
**Academic Dishonesty/Plagiarism**

The College of Education has a “zero tolerance” approach to plagiarism and other forms of academic dishonesty. (See Student Code of Conduct [http://doso.wayne.edu/assets/student-code-of-conduct-brochure.pdf](http://doso.wayne.edu/assets/student-code-of-conduct-brochure.pdf)). Plagiarism includes copying material (any more than 5 consecutive words) from outside texts or presenting outside information as if it were your own by not crediting authors through citations. It can be deliberate or unintended. Specific examples of academic dishonesty, including what constitutes plagiarism, can be found in the University’s Undergraduate Bulletin ([http://bulletins.wayne.edu/ubk-output/index.html](http://bulletins.wayne.edu/ubk-output/index.html)) and Graduate Catalog ([http://www.bulletins.wayne.edu/GBK-output/index.html](http://www.bulletins.wayne.edu/GBK-output/index.html)) under the heading “Student Ethics.” These university policies are also included as a link on Blackboard within each course in which students are enrolled. It is every student’s responsibility to read these documents to be aware which actions are defined as plagiarism and academic dishonesty. Sanctions could include failure in the course involved, probation and expulsion, so students are advised to think carefully and thoroughly, ask for help from instructors if it is needed, and make smart decisions about their academic work.

**Enrollment/Withdrawal Policy**

Students must add classes no later than the end of the first week of classes. This includes online classes. Students may continue to drop classes (with full tuition cancellation) through the first two weeks of the term.

Students who withdraw from a course after the end of the 5th week of class will receive a grade of WP, WF, or WN.

- WP will be awarded if the student is passing the course (based on work due to date) at the time the withdrawal is requested
- WF will be awarded if the student is failing the course (based on work due to date) at the time the withdrawal is requested
- WN will be awarded if no materials have been submitted, and so there is no basis for a grade

Students must submit their withdrawal request on-line through Pipeline. The faculty member must approve the withdrawal request before it becomes final, and students should continue to attend class until they receive notification via email that the withdrawal has been approved.

Beginning the fifth week of class students are no longer allowed to drop but must withdraw from classes. The last day to withdraw will be at the end of the 10th full week of classes. The withdrawal date for courses longer or shorter than the full 15-week terms will be adjusted proportionately.

See the university webpage for full details: [http://reg.wayne.edu/students/information.php](http://reg.wayne.edu/students/information.php)
Attention Students with Disabilities:

If you have a documented disability that requires accommodations, you will need to register with Student Disability Services (SDS) for coordination of your academic accommodations. The Student Disability Services (SDS) office is located at 1600 David Adamany Undergraduate Library in the Student Academic Success Services department. SDS telephone number is 313-577-1851 or 313-202-4216 (video phone). Once you have your accommodations in place, I will be glad to meet with you privately during my office hours to discuss your special needs. Student Disability Services’ mission is to assist the university in creating an accessible community where students with disabilities have an equal opportunity to fully participate in their educational experience at Wayne State University.

Please be aware that a delay in getting SDS accommodation letters for the current semester may hinder the availability or facilitation of those accommodations in a timely manner. Therefore, it is in your best interest to get your accommodation letters as early in the semester as possible.

Religious Observance Policy:

Because of the extraordinary variety of religious affiliations represented in the University student body and staff, the Wayne State University calendar makes no provision for religious holidays. It is University policy, however, to respect the faith and religious obligations of the individual. Students who find that their classes or examinations involve conflicts with their religious observances are expected to notify their instructors well in advance so that alternative arrangements as suitable as possible may be worked out.

Resources for optional inclusion in course syllabi:

Wayne State University Writing Center:

The Writing Center (2nd floor, UGL) provides individual tutoring consultations free of charge for students at Wayne State University. While the center serves both graduate and undergraduate students, undergraduate students in General Education courses, including composition courses, receive priority for tutoring appointments. The Writing Center serves as a resource for writers, providing tutoring sessions on the range of activities in the writing process – considering the audience, analyzing the assignment or genre, brainstorming, researching, writing drafts, revising, editing, and preparing documentation. The Writing Center is not an editing or proofreading service; rather, students are guided as they engage collaboratively in the process of academic writing, from developing an idea to correctly citing sources. To make an appointment, consult the Writing Center website: http://www.clas.wayne.edu/writing/.

To submit material for online tutoring, consult the Writing Center HOOT website (Hypertext One-on-One Tutoring) http://www.clas.wayne.edu/unit-inner.asp?WebPageID=1330.