Division: Theoretical and Behavioral Foundations

Program Area: Evaluation and Research

Course: EER 7610, Evaluation and Measurement

Day: Monday, 4:30 PM, Oakland Center

Term/Year: Winter 2015

Instructor: Elizabeth Perkin Moen

Office: 114 Cohn Building, Wayne State University, Detroit MI 48202

Office Hours: By appointment

Office Telephone: (313) 577-4071  Email: Elizabeth.Moen@wayne.edu

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.

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
      i. Competencies
   d. Taxonomies
   e. Table of Specifications
   f. Task Analysis
      i. Prerequisite skills
      ii. Enabling skills
   g. Item Specifications
      i. Stem
      ii. Response
   h. Writing Test Items: Dos and Don’ts
Review for Test 1

Test I (Date to be Announced)

III. Item Analysis
   a. Item difficulty
   b. Item discrimination
   c. Distractor analysis
   d. Mastery-level analysis

IV. Evaluating Group Performance (Group Statistics)
   a. Distribution of scores
   b. Measures of Central Tendency
      i. Mean
      ii. Median
      iii. Mode
   c. Measures of variability
      i. Standard Deviation
      ii. Variance
   d. Measures of Bivariate Analysis
      i. Pearson Product-Moment Coefficient of Correlation

Review for Test 2

Test II (Date to be Announced)

V. Standardized/Norm referenced tests
VI. Classical theory of measurement
VII. Reliability
   a. Measures of Internal Consistency
      i. Split halves
      ii. Odd-even
      iii. KR-20; KR-21
      iv. 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
XI. Testing/Research Law and Ethics

Review for Test III

Test III

**Required Text:** SS, Inc. (2001). Course Pack. (Posted under “Contents” on BlackBoard)


**Evaluation and Grading**
There will be three tests. The scores will be averaged with the weights indicated below to produce the final grade.

**Weight**
Test I: 40%
Test II: 30%
Test III: 30%

**Scale:**
- A: 90-100
- B: 78-81
- C: 68-71
- A-: 85-89
- B-: 75-77
- C-: 65-67
- B+: 82-84
- C+: 72-74
- F: 0-64

**Class Policy**
You are expected to attend each class session, arrive on time, and be prepared to begin each lesson by the start time for the class. Your ability to do well on the tests will likely relate to attending and participating in the class. In the event that you are not able to attend a session, you are the contact the instructor by phone or email advising her of your absence. In the event that you are not able to fulfill the expectations of the course, you must discuss this personally with the instructor. Out of
respect for both the instructor and the rest of the class, please silence your cell phones prior to the start of class.

**College of Education Syllabi Notices**

**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/codeofconduct.pdf](http://doso.wayne.edu/codeofconduct.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)), the Undergraduate Student Handbook ([http://comm.wayne.edu/files/undergradhandbook.pdf](http://comm.wayne.edu/files/undergradhandbook.pdf)), and in print and online versions of the 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.” 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**

Beginning in Fall 2011, 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 4th 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 in Fall 2011, 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.
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.