

CHSC 6308 Psychometrics in Health Sciences (CRN 27853)
School of Nursing, Graduate Program
The University of Texas at El Paso
Spring 2018 Course Syllabus

Placement in Curriculum: Graduate

Prerequisites: CHSC 6305 (Quantitative Methods for the Health Sciences I) with a grade of “B” or better, or with approval of instructor, completion of a similar graduate level statistics course with a grade of “B” or better, and departmental approval.

Credits: This is a 3 credit (45 clock hours) course.

Faculty:



H. Sabrina Kao, PhD, RN, FAAN

Campus Location: HSSN 335

Phone: 915-747-7279

(even I am not in my office, please leave a message as the system will deliver your voice into my UTEP email inbox and I will call back if you leave me your phone number)

Email: hkao@utep.edu

Office Hours: Wednesdays 1-2 PM before the class and by appointment

Meeting times and location: Wednesdays 2-4:50 PM at HSSN Room 131

Course Description: This course focuses on measurement techniques and their application in nursing and health care research. Content includes both classic and modern measurement theory as well as pragmatic information on the development and testing of a variety of measurement tools.

Course Objectives: Upon completion of this course, the learner should be able to:

1. Discuss relevant issues in measurement.
2. Discuss measurement error as it relates to reliability and validity.
3. Develop and evaluate effective and achievement measures.
4. Explore the dimensionality of an instrument using exploratory and confirmatory factor analysis
5. Assess the adequacy of the development and testing of instruments.
6. Critically evaluate instruments.
7. Compare and contrast various scaling methods.

Teaching/ Learning Strategies: Students will participate in lecture, discussion, computer exercise, presentation, and examination. Course PowerPoint slide and weekly readings are posted in Blackboard. The instructor reserves the right to make minor edits or corrections to the syllabus, assignment schedule, or assignment instructions. Students will be notified in advance of these changes.

Readings:

Readings are assigned for each class. These readings are to prepare you for class (attach in Blackboard.)

Required Textbooks: (from campus bookstore or you can order new/used ones online)

DeVellis, R. F. (2016). *Scale development* (4th ed.). Thousand Oaks, CA: Sage. [ISBN-13:(978-1506341569; ISBN-10:150634156X]

Pett, M. A., Lackey, N. R., & Sullivan, J. J. (2003). *Making sense of factor analysis*. Thousand Oaks, CA: Sage. [ISBN-13: 978-0761919506; ISBN-10: 0761919503]

Recommend Textbook: (or you can use any SPSS book you previously purchased)

George, D, & Mallery, P. (2016). *IBM SPSS statistics 23 step by step: A simple guide and reference* (14th ed.). NY: Routledge. [ISBN-13: 978-0134320250; ISBN-10: 0134320255]

Attendance and Class Participation: It is UT policy that all students attend all scheduled classes. Attendance and class participation will count as a portion of grade. Students who find class attendance in conflict with any religious holiday or personal reason with proper documentation should inform the faculty beforehand to obtain permission, not after the absence.

Grading Scale:

- A = 90-100%
- B= 80-89%
- C= 70-79%
- D= 60-69%
- F < 60%

Assignment 1	10%
Assignment 2	20%
Mid-term exam	30%
Course paper	25%
Course paper presentation	10%
Class participation (non-excused absence will be deducted this portion of points)	5%
0 Never	
1-2 Rarely, may or may not be pertinent	
3 Occasionally, is pertinent	
4-5 Regularly-consistently, pertinent, answers & asks questions	

Late Assignments:

Late submission of assignments (hard copy only) will be considered on a case by case basis with a prior authorization from the faculty (do not use busy working as a reason as the work schedule is predicted before taking the course.) It is the student’s responsibility to communicate with the faculty regarding barriers to assignment due dates **at the start of class (i.e., 2PM due day)**. If no advance notice of a late submission is communicated with faculty and receive her permission, points will be deducted at a rate of 5% by the end of class, 10% before 9 AM after the due day, 15% before 12 PM (noon) after the due day, and 20% before 5PM after the due day. Late submissions beyond 5PM after the day it was due will not be accepted and a Zero will be given.

Incomplete Grade: Students may receive a grade of an “I” for incomplete work only in exceptional circumstances and with the approval of the instructor may. Students who expect to take an incomplete must develop with the professor a written plan including a time line for completing the course assignments. While university policy requires completion of all required assignments within one year, this could be revised and specified by the instructor.

Time Management: The rule of thumb for time planning for a course is approximately 3 hours for every credit hour taken. This is a standard figure recommended across the board by American universities. So for this course you should expect to spend, at minimum 9 hours per week of study and prep time.

Copyright Notice: Many of the materials that are posted within this course are protected by copyright law. These materials are only for the use of students enrolled in this course and only for the purpose of this course. They may not be further retained or disseminated.

Academic Honesty: Students are responsible and accountable for all the work submitted or presented as their own for evaluation. It is expected that all students maintain the highest standard of veracity when completing all scholastic activities. While collaboration with others in the process of completing course assignments is encouraged, academic dishonesty will not be tolerated. Academic dishonesty is prohibited and is considered a violation of the UTEP Handbook of Operating Procedures. It includes, but is not limited to, cheating, plagiarism, and collusion. Cheating may involve copying from or providing information to another student, possessing unauthorized materials during a test, or falsifying research data on laboratory reports. [Plagiarism](#) occurs when someone intentionally or knowingly represents the words or ideas of another person's as ones' own. This includes cutting and pasting from electronic sources and photocopying. And, collusion involves collaborating with another person to commit any academically dishonest act. Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. Violations will be taken seriously and will be referred to the Dean of Students Office for possible disciplinary action. Students may be suspended or expelled from UTEP for such actions. Office of Student Conduct and Conflict Resolution.

<http://sa.utep.edu/osccr/academic-integrity/>

Disabled Student Statement: If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass. *CASS' Staff are the only individuals who can validate and if need be, authorize accommodations for students with disabilities.*

Career Help: The following link will direct you to our complete list of presentations in career events (e.g., job fairs): <http://sa.utep.edu/careers/calendar/workshops>. In addition, they will assist students with letters of intent, CV review, grad school preparation, etc.