

EDF4430: Measurement and Evaluation in Education

Fall 2022 (3 credit hours)

Class Time & Location: Monday Period 5-6: 11:45 am -1:40 pm, location: NRN 1029.
Wednesday Period 5: 11:45 am -12:35 pm, location: NRN 2029.

Please note, the two classes are held in two different classrooms

Instructor: Jia Quan, feel free to call me Kyra if you like

E-mail: Jia.quan@ufl.edu

Office Hours: Virtual via zoom: Wednesday: 9:30 am -11:30 am. Link on Canvas. Or other time by appointment.

Objectives

This course is designed to introduce students to basic concepts in educational measurement, utilizing measurement in instruction, construction of teacher-made tests and other classroom assessments, such as portfolio and performance assessment. It also provides the student with a framework for interpreting test scores. By the end of the course you will be able to:

1. describe the strengths and limitations of different item formats,
2. choose the appropriate assessment methods in your prospective fields,
3. develop multiple-choice, matching, true/false, essay items to measure instructional objectives,
4. develop performance assessment and alternative assessment instruments for classroom use,
5. interpret basic statistics used to establish properties of test scores, e.g. measures of central tendency and measures of variability, interpret a correlation coefficient as it is used to evaluate reliability and validity,
6. interpret standard scores, e.g. percentile ranks, z-scores, and linear transformations to normal curve equivalents, T scores, stanines, etc.,
7. communicate the meaning of standardized test scores to students, parents, and educational personnel,
8. use assessment information in an ethical and legal manner.

Textbooks

Miller, D., Linn, R. L., & Gronlund, N. E. (2013). *Measurement and Assessment in Teaching*, Pearson (11th Ed.). Pearson. **(Required)** ISBN: 0132689669; ISBN-13:9780132689663 (Link at Pearson: <http://www.mypearsonstore.com/bookstore/measurement-and-assessment-in-teaching-9780132689663>). Feel free to get it from any other stores or online stores.

Salkind, N. J. (2017). *Tests & measurement for people who (think they) hate tests & measurement* (3rd Ed.). Sage. **(Recommended/Optional)**

Class Participation

Students are expected to be present for all classes, since much material will be covered only once in class. Students who have extraordinary circumstances preventing attendance, or who must leave early, should explain these circumstances to the course instructor prior to the scheduled class, or as soon as possible thereafter. If you must miss a class, please request notes from your classmates. Excused absences are consistent with university policies in the undergraduate catalog (<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>) and require appropriate documentation.

It is your responsibility to complete all requirements for each module in the time specified. You should expect to spend an average of 12 hours a week on this course, and you will take the initiative in learning the content. I expect you to log in frequently to participate in class discussions and group activities. Your increase in knowledge and ability to apply it from this class will in large reflect your effort. I will provide the content and activities to facilitate your learning.

If you have any concern or questions:

- Ask about issues of a personal nature by **email through CANVAS**;
- Ask anything (except personal questions) in the most appropriate **discussion board**

Class Break Down

Before you begin:

- A. All assignments, quizzes, discussions, projects, peer-reviews, etc., are due on their assigned due date at the assigned time. If for some reason, you cannot meet this deadline, you need to notify me **BEFOREHAND**, in addition to providing appropriate documentation (if the circumstance is warranted).
- B. Do not wait until the very end of the semester (i.e. December). It is **YOUR responsibility** to be up to date with your grade, your progress, and your overall standing in the course.
- C. I am here to help and want to see you succeed, I really do! But, you have to help yourself first.
- D. With that being said, I do not round up or curve grades, nor will I accept any late/missing work unless it is an excused circumstance.

- Assignments:
- A. There will be 4 assignments.
 - B. The assignment can be completed **individually OR with a single partner**. If you choose to work with a partner, **make a single submission but clearly indicate who the partner is**.
 - C. **All assignments are due at 11:59 pm.**
 - Since they will be open for the duration of the module, you will receive a grade of 0 if you miss them.
 - You should complete all required readings before doing the assignments. The answer will be graded based on its completeness and accuracy.
 - D. The assignments consist of questions that are related to the final project, in addition to questions related to the content in the modules. As a result, if you want to work with a partner on the final project, there will need to be 2 answers for each question that relates to the final project.

- Quizzes:
- A. There will be 2 online quizzes and each quiz will have 20 multiple choice questions.
 - B. You will be allowed two attempts, and the highest grade will count toward your grade.
 - C. The textbook and other materials are allowed, but you are expected NOT to discuss the work or collaborate with your peers.
 - D. **Quizzes will be open for 7 days.**

- Discussions:
- A. There will be 3 discussions.
 - B. For each discussion, every student needs to post an original discussion and a minimum of two replies.
 - C. They are due by the end of the module at 11:59 pm.
 - D. **Credit will be awarded for each discussion post and the two replies. You need to have met the requirements in order to receive full credit; partial credit may be earned. If you submit *only* the original post but *not* the replies, you will receive half credit.**

- Project:
- A. Students will work **independently** to complete a project that outlines an assessment for their designated content area. **(Students are expected to NOT discuss the work or collaborate with their peers).**
 - B. I highly recommend you complete the work throughout the semester instead of at the end (i.e. via your assignments).
 - C. The project will allow students to show their knowledge and application of content from the entire course.
 - D. Your project will include questions from each module of the course. The directions for the project guidelines will be provided.
 - E. **The project is due at 11:59PM on Wednesday, December 7th.**

- Peer-review:
- A. Each student will peer-review other two students' projects.
 - B. Students will be asked to accurately grade their peer's work based upon the rubric and provide relevant feedback.
 - C. **These reviews will be anonymous and due at 11:59PM on Sunday, December 11th.**
- Extra-Credit:
- A. There is the possibility of extra credit opportunities throughout the semester and they will be announced on Canvas.
 - B. The extra credit will be awarded to your assignments and quizzes.

Do not hesitate to send me a message. I am here to help and hope that you feel comfortable contacting me with your questions. If you have an emergency or extenuating circumstance, please notify me immediately so we can work something out. If there is a repeated question, I will address it to the entire class. I will generally reply within 24 hours.

Course Requirements

The **plagiarism policy** in this class is that students receive a 0 for plagiarized course works with no chance to make up the work. For more information about UF policy regarding plagiarism, visit <http://regulations.ufl.edu/wp-content/uploads/2012/09/4041.pdf>. **Gordon rules** are also applied to this course. It is the state of Florida requirements on writing and math.

****Please keep in mind that self-plagiarism is a form of plagiarism. You cannot take previous class's work and submit it for another class (including this one). Your work must be of your own current thought as it relates to this course. If you are caught self-plagiarizing, you will also receive a 0 with no chance to make up the work.**

Course Grade

To arrive at a final grade, each component will be graded on the basis of its overall quality and then combined into a weighted composite (total). The weights for these assignments are:

Assignments	30%
Quizzes	15%
Project	30%
Peer-review (Project)	10%
Discussions	10%
In Class Participation	5%
Total	100% + Extra Credit (if applicable)

The ratings for the final grades are:

<u>Overall Course Percent</u>	<u>Grade</u>
93.0% - 110%	A
90.0% - 92.9%	A-
87.0% - 89.9%	B+
83.0% - 86.9%	B
80.0% - 82.9%	B-
77.0% - 79.9%	C+
73.0% - 76.9%	C
70.0% - 72.9%	C-
67.0% - 69.9%	D+
63.0% - 66.9%	D
60.0% - 62.9%	D-
59.9% or less	S

In-completes and Late Works

Assignments and project are due on dates specified, and it is expected that no students will miss any due dates for the course requirements. Late submission will suffer a penalty of 15% per day late. (For example, if a student earns a 100% on an assignment, it will receive a 85% if it is one day late, 70% if it is two days late, and so on.) **If an assignment is not turned in after 7 days and extenuating circumstances cannot justify its lateness, a student will receive a 0.** If any individual stops submitting course work for 3 or more consecutive tasks without noticing me ahead, you will be FAILED for this course.

Moreover, UF policy establishes that "I"-incomplete is to be signed only for extenuating circumstances (such as serious illness). UF policy also requires that all changes in grades be approved by the Dean and that they are accompanied by a justification from the instructor explaining why a grade should be changed. Unless a computational error has been made, **grades will not be changed after the end of the semester.**

For greater detail on the meaning of letter grades and university policies related to them, see the Registrar's Grade Policy regulations at <http://www.registrar.ufl.edu/staff/grades.html> and for information on current UF grading policies for assigning grade points, see the following: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Tentative Schedule

ALL assignments, discussions, and quizzes are due at 11:59 PM on the date

Date	Topic	Readings	Task
Module 1			
8/24	Planning of Assessment	Chapters 6 & 14	Assigned readings
Module 2			
8/29 & 8/31	Foundation for Assessment (The purpose of Assessment & Learning objective & Table of specification)	Required: Chapter 3 Chapter 6 (pg. 142-150-creating table of specifications). Recommended: Chapter 1-2	Assigned readings Discussion 1 due <i>Friday, September 9th</i> <i>Assignment 1 due Sunday, September 11th</i>
Module 3			
9/05(no class) & 9/07	Constructing Objective Item Design	Chapters 7 & 8	Assigned readings <i>Final Project Info Quiz Due on Wednesday, September 13th</i>
Module 4			
9/12 & 9/14	Item Analysis	Chapter 14 pg. 344-359	Assigned readings
Module 5			
9/20 & 9/22(Asynchronized class)	Essay Question & Performance-based Assessment	Chapter 10 & 11	Assigned readings <i>Assignment 2 due on Sunday, September 25th</i>

NOTE: Syllabus is subject to change at the instructor's discretion.

			<i>Discussion 2 due on Sunday, September 25th</i>
Module 6			
9/26 & 9/28	Rubric and Feedback	Chapter 10, and additional readings on Canvas	Assigned readings <i>Assignment 3 due on Sunday, October 2nd</i>
Module 7			
10/3 & 10/5	Reporting Student Achievement	Chapter 12 & 15, Appendix C	Assigned readings <i>Quiz 1 (content Module 1 – 6) due on Sunday, October 9th</i> Work on Final Project
Module 8			
10/10 & 10/12	Interpreting Test Scores and Norms	Chapter 19	Assigned readings <i>Discussion 3 due on Sunday, October 23rd</i> Work on Final Project
Module 9			
10/18 & 10/20	Classical Test Theory (CTT)	Chapter 5	Assigned readings <i>Assignment 4 due on Sunday, October 30th</i> Work on Final Project

Module 10			
10/24 & 10/26	Reliability	Chapter 5	Assigned readings Work on Final Project
Module 11			
10/31 & 11/2	Validity	Chapter 4	Assigned readings <i>Quiz 2 (content of modules 7-10) due on Monday, November 7th</i> Work on Final Project
Module 12			
11/7 & 11/9	Fairness	Readings assigned on Canvas	Assigned readings Work on Final Project
Module 13			
11/15 & 11/17	TBA topic or no class		Work on Final Project
Module 14			
11/21 & 11/24	No class		Work on Final Project
Module 15			
11/28 & 11/30	Review and Optional Extra Credit: Pick an optional topic and find one research article related to it. Write a 2-page summary.		<i>Final Project due on Wednesday, December 7th</i> <i>Peer-reviews due on Sunday 11th</i>

NOTE: Syllabus is subject to change at the instructor's discretion.

Academic dishonesty

UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Honor Code (<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TA in this class.

Written assignments will be checked for plagiarism against published works, other papers submitted by classmates at the current and previous semesters and internet pages using Turnitin, which is UF’s plagiarism detection software. It is expected that submitted work will solely reflect the student's own efforts. Any violations will be reported to UF authorities.

While students may work with classmates to discuss assignments, it is expected that submitted work will solely reflect the student's own efforts.

Accommodations for Students with Disabilities

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting <https://disability.ufl.edu/students/get-started/>. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

Counseling and Student Health

Students may occasionally have personal issues that arise in the course of pursuing higher education or that may interfere with their academic performance. If you find yourself facing problems affecting your coursework, you are encouraged to talk with an instructor and to seek confidential assistance at the University of Florida Counseling Center, 352-392-1575, or Student Mental Health Services, 352-392-1171. Visit their web sites for more information: <http://www.counsel.ufl.edu> or <http://www.health.ufl.edu/shcc/smhs/index.htm#urgent>.

The Student Health Care Center at Shands is a satellite clinic of the main Student Health Care Center located on Fletcher Drive on campus. Student Health at Shands offers a variety of clinical services, including primary care, women's health care, immunizations, mental health care, and pharmacy services. The clinic is located on the second floor of the Dental Tower in the Health Science Center. For more information, contact the clinic at 392-0627 or check out the web site at: www.health.ufl.edu/shcc

Crisis intervention is always available 24/7 from Alachua County Crisis Center: (352) 264-6789.

Course Evaluations

“Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.”

Campus Resources

Health and Wellness:

U Matter, We Care: If you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit <https://umatter.ufl.edu/> to refer or report a concern and a team member will reach out to the student in distress.

Counseling and Wellness Center: Visit <https://counseling.ufl.edu/> or call 352-392-1575 for information on crisis services as well as non-crisis services.

Student Health Care Center: Call 352-392-1161 for 24/7 information to help you find the care you need or visit <https://shcc.ufl.edu/>.

University Police Department: Visit <https://police.ufl.edu/> or call 352-392-1111 (or 9-1-1 for emergencies).

UF Health Shands Emergency Room / Trauma Center: For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; Visit <https://ufhealth.org/emergency-room-trauma-center>.

Academic Resources:

E-learning technical support: Contact the UF Computing Help Desk at 352-392-4357 or via e-mail at helpdesk@ufl.edu.

Career Connections Center: Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services.

Library Support: Various ways to receive assistance with respect to using the libraries or finding resources. Visit <https://uflib.ufl.edu/find/ask/>

Teaching Center: Broward Hall, 352-392-2010 or to make an appointment 352-392-6420. General study skills and tutoring.

Writing Studio: 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers.

Student Complaints On-Campus: Visit <https://sccr.dso.ufl.edu/policies/student-honor-%20code-student-conduct-code/> for more information.

On-Line Students Complaints: View <https://distance.ufl.edu/getting-help/student-complaint-process/>.