



**Quantitative Research Design
NURS 6330
Fall 2022**

Scheduled Class Days and Times: Online

Instructor's Name: Danita Alfred, PhD., RN

Office: 2135

Phone: 903 566-7019

Email*: dalfred@uttyler.edu

Office Hours: Virtual Office Hours: Wednesday 7:00 to 8:30 and Thursday 7:00 to 8:30 CST and available via appointment, email, conference call, and/or Zoom.

*Best way to contact me/

Instructor's Name: Barbara McAlister, PhD., RN

Office: 2135

Phone: 903 566-7320

Email*: bmcalister@uttyler.edu

Office Hours: Virtual Office Hours: Wednesday 7:00 to 8:30 and Thursday 7:00 to 8:30 CST and available via appointment, email, conference call, and/or Zoom.

*Best way to contact me.

Course Description: Advanced quantitative research that integrates methodology, design, measurement, analysis, and interpretation.

Prerequisites: 6312; 6322 or concurrent enrollment

Corequisites: NA

Student Learning Outcomes:

Upon successful completion of this course, the student will be able to:

1. Synthesize the state of the science relevant to a substantive transcultural health problem through critical analyses of the literature.
2. Develop a quantitative proposal to study of a substantive transcultural health problem.
3. Provide structured critique of a published quantitative research study.

Required Textbooks and Readings:

American Psychological Association. (2020). *Publication manual of the American Psychological Association*, 7thed. Washington D.C.: Author. (softcover).

Creswell, J.W. & Creswell, J.D. (2018). *Research design: Qualitative, quantitative, and mixed methods approaches*. 5th edition. ISBN-10:1506386709, ISBN-13:9781506386706. Thousand Oaks, CA: Sage Publications, Inc.

Portney, L.G. (2020). *Foundations of clinical research: Applications to Evidence-Based Practice*, 4th edition. ISBN-9780803661134. Philadelphia, PA: F.A. Davis.

Assignments and Weights/Percentage/Point Values

Criteria for Evaluation:	Percentage of Grade:
Definitions Table	10%
Creation of PIVOT Account & Grant search and summary of findings	10%
Review of Literature	20%
Quantitative Research Proposal (annotated outline of methodology)	10%
Quantitative Research Methodology Proposal (Paper)	30%
Critique of Published Quantitative Research Methods	20%
Quiz of Quantitative Knowledge	Credit
Total	100%

Grading Scale:

Specific guidelines and grading criteria for all assignments are in the Modules. Final grades for the course will be determined based upon the following point assignments:

- A - 90-100
- B - 80-89
- C - 70-79
- D - 60-69
- F - Below 60

Grades will not be rounded when calculating the average (79.5 is not rounded to 80, and 89.5 is not rounded to 90). Students are required to achieve an average of 80% (B) to complete the course successfully.

Exam and homework materials, questions, and problems are the intellectual property of faculty, UT Tyler, or publishers.

- These materials may not be distributed without permission.

- Distributing or uploading them to online resources destroys the integrity of the assignment and the course, allowing others an unfair advantage by letting them view the materials.
- Uploading these materials to online resources is a violation of UT Tyler's academic misconduct policies and may result in formal conduct charges.
- Sanctions for uploading or otherwise divulging the contents of these materials can include:
 - a reduced or failing grade on an assignment
 - a reduced or failing grade for the course
 - removal from the Nursing program
 - removal from UT Tyler

Late Policy: 5% will be deducted each day an assignment is past due unless prior arrangements have been made with your course faculty. Extenuating circumstances may apply.

Repeating a Course: Students repeating this course may not use previously submitted assignments nor utilize the same patients for an assignment. Submitting the same or slightly modified assignments from previous semesters is considered self-plagiarism and is subject to academic discipline, including failing the assignment or the course.

Attendance and Make-up Policy: Attendance/participation is expected. Make-up for exams, quizzes, assignments, and missed clinical time is at the instructor's discretion.

Graded Course Requirements Information:

Indepth descriptions provided along with specific assignments in Canvas Course.
Definitions Table – Literature based description of major concepts and variables of independent research topic.
Creation of PIVOT Account & Grant search and summary of findings – Creation of account and exploration of PIVOT capabilities & identification of possible funding sources for independent research topic.
Review of Literature – Indepth ROL related to primary research variables associated with independent research topic.
Quantitative Research Proposal Outline - Annotated outline identifying primary elements of the quantitative research proposal as applied to independent research topic using the SON dissertation guidelines for elements of the quantitative proposal.
Quantitative Research Proposal – Proposal built from outline that provides indepth description of planned research approach and tools that will be used to complete the proposed research.
Critique of Published Quantitative Research Methods – Indepth and scholarly discussion and critique of major elements of a peer reviewed and published quantitative research study.
Quiz of Quantitative Knowledge – Online quiz comprised of multiple choice and matching questions to test knowledge and application of major quantitative research elements.

Calendar of Topics, Readings, and Due Dates:

Week of:	Content	Readings	Assignment /Due
8/29	Course Introduction & Funding Sources	All online sources linked in the Canvas Module 1	
9/5	Wk 2: Problem & significance of research interest	Portney chapters 1 & 2 Creswell chapter 1 (plus online sources linked in Module 2)	Funding Sources 9/8
		Census Date	9/9
9/12	Wk 3: Theory, concepts, variables, & research questions	Portney chapters 3 & 4 Creswell chapter 3 part 1 (plus online sources linked in Module 3)	
9/19	Wk 4: Literature review & synthesis	Portney chapter 6 Creswell chapter 2 (plus online sources linked in Module 4)	Definitions Table 9/22
9/26	Wk 5: Non-experimental designs	Creswell chapters 1 and 8 part 1 Portney chapters 1, 19, & 20 (plus online sources linked in Module 5)	
10/3	Wk 6: Quasi & experimental designs	Creswell chapters 1 and 8 part 2 Portney chapters 14,16,17,18 (plus online sources linked in Module 6)	
10/10	Wk 7: Population & Sample	Creswell chapter 8 Portney chapters 13 & 23 (plus online sources linked in Module 7)	ROL 10/13
10/17	Wk 8: Measurement & Analysis	Creswell chapter 8 Portney chapters 8, 9, 10 & 32 (plus online sources linked in Module 8)	
10/24	Wk 9: Data Collection & Interventions	Creswell chapter 4 & chapter 8 pages (172 – 173) (plus online sources linked in Module 9)	
10/31	Wk 10: Rigor & Threats to Validity	Creswell pages 169 – 173 Portney chapter 9 pages 210 – 225 (plus online sources linked in Module 10)	(Proposal Annotated Outline) 11/10
		Last day to drop with a W	11/6
11/7	Wk 11: Critique of Published Research	Portney chapter 36 pages 558 to 567 (plus online sources linked in Module 11)	
11/14	Wk 12: Percolate and Ponder	No new readings	Critique 11/17

11/21	Thanksgiving Holiday		
11/28	Wk 13: Percolate and Ponder	No new readings	Proposal 12/1
12/5	Wk 14: Looking back – Moving forward	No new readings	Quiz of Quantitative Knowledge 12/8
	Enjoy the break!		

School of Nursing Policies and Additional Information:

https://www.utt Tyler.edu/nursing/college/student_guide_and_policies.php

Student Resources to assist you in this course:

[UT Tyler Student Accessibility and Resource \(SAR\) Office](#) (provides needed accommodations to students with document needs related to access and learning)

[UT Tyler Writing Center](#)

[The Mathematics Learning Center](#)

[UT Tyler PASS Tutoring Center](#)

[UT Tyler Supplemental Instruction](#)

[Robert Muntz Library \(Links to an external site.\)](#) and [Library Liaison](#)

[Canvas 101](#) (learn to use Canvas, proctoring, Unicheck, and other software)

Digital Support Toolkit (for supported courses only. Students are automatically enrolled in the toolkit for supported courses)

LIB 422 -- Computer Lab where students can take a proctored exam

[The Career Success Center](#)

[UT Tyler Testing Center](#)

[Office of Research & Scholarship Design and Data Analysis Lab](#)

Resources available to UT Tyler Students

[UT Tyler Counseling Center](#) (available to all students)

[TAO Online Support Center](#) (online self-help modules related to mental & emotional health)

[Military and Veterans Success Center](#) (support for all of our military-affiliated students)

[UT Tyler Patriot Food Pantry](#)

[UT Tyler Financial Aid and Scholarships](#)

[UT Tyler Registrar's Office](#)

[Office of International Programs](#)

[Title IX Reporting](#)

[Patriots Engage](#) (available to all students. Get engaged at UT Tyler.)

University Policies and Information

Withdrawing from Class: Students, you are allowed to [withdraw](#) (drop) from this course through the University's Withdrawal Portal. Texas law prohibits students who began college for the first time in Fall 2007 or thereafter from dropping more than six courses during their entire undergraduate career. This includes courses dropped at other 2-year or 4-year Texas public colleges and universities. Make sure to consider the impact withdrawing from this class has on your academic progress as well as the financial implications. We encourage you to consult your advisor(s) and financial aid for additional guidance. CAUTION #1: Withdrawing before census day does not mean you get a full refund. Please see the [Tuition and Fee Refund Schedule](#). CAUTION #2: All international students must check with the [Office of International Programs](#) before withdrawing. All international students are required to enroll full-time for fall and spring terms.

Final Exam Policy: Final examinations are administered as scheduled. If unusual circumstances require that special arrangements be made for an individual student or class, the dean of the appropriate college, after consultation with the faculty member involved, may authorize an exception to the schedule. Faculty members are required to maintain student final examination papers for a minimum of three months following the examination date.

Incomplete Grade Policy: If a student, because of extenuating circumstances, is unable to complete all of the requirements for a course by the end of the semester, then the instructor may recommend an Incomplete (I) for the course. The "I" may be assigned in lieu of a grade only when all of the following conditions are met: (a) the student has been making satisfactory progress in the course; (b) the student is unable to complete all course work or final exam due to unusual circumstances that are beyond personal control and are acceptable to the instructor, and (c) the student presents these reasons prior to the time that the final grade roster is due. The semester credit hours for an Incomplete will not be used to calculate the grade point average for a student.

The student and the instructor must submit an Incomplete Form detailing the work required and the time by which the work must be completed to their respective department chair or

college dean for approval. The time limit established must not exceed one year. Should the student fail to complete all of the work for the course within the time limit, then the instructor may assign zeros to the unfinished work, compute the course average for the student, and assign the appropriate grade. If a grade has not been assigned within one year, then the Incomplete will be changed to an F or NC if the course was originally taken under the CR/NC grading basis.

Grade Appeal Policy: UT Tyler's Grade Appeal policy requires the completion of a Grade Appeal form for this action to take place. The grade appeal begins with the instructor of your course. If you do not agree with the decision of the instructor, you may then move your appeal to the department chair/school director for that course. If you are still dissatisfied with the decision of the chair/director, you may move the appeal to the dean of the college offering that course, who has the final decision. Grade appeals must be initiated within sixty (60) days from the date of receiving the final course grade. The grade Appeal form is found on the [Registrar's Form Library](#).

Disability/Accessibility Services: The University of Texas at Tyler has a continuing commitment to providing reasonable accommodations for students with documented disabilities. Students with disabilities who may need accommodation(s) in order to fully participate in this class are urged to contact the Student Accessibility and Resources Office (SAR) as soon as possible to explore what arrangements need to be made to ensure access. If you have a disability, you are encouraged to visit the SAR Portal (<https://hood.accessiblelearning.com/UTTyler/>) and complete the New Student Application. For more information, please visit the [SAR webpage](#) or call 903.566.7079.

Military Affiliated Students: UT Tyler honors the service and sacrifices of our military-affiliated students. If you are a student who is a veteran, on active duty, in the reserves or National Guard, or a military spouse or dependent, please stay in contact with me if any aspect of your present or prior service or family situation makes it difficult for you to fulfill the requirements of a course or creates disruption in your academic progress. It is important to make me aware of any complications as far in advance as possible. I am willing to work with you and, if needed, put you in contact with university staff who are trained to assist you. Campus resources for military-affiliated students are in the [Military and Veterans Success Center \(MVSC\)](#). The MVSC can be reached at MVSC@uttyler.edu or via phone at 903.565.5972.

Academic Honesty and Academic Misconduct: The UT Tyler community comes together to pledge that "Honor and integrity will not allow me to lie, cheat, or steal, nor to accept the actions of those who do." Therefore, we enforce the [Student Conduct and Discipline policy](#) in the Student Manual Of Operating Procedures (Section 8).

FERPA: UT Tyler follows the Family Educational Rights and Privacy Act (FERPA) as noted in [University Policy 5.2.3](#). The course instructor will follow all requirements in protecting your confidential information.

COVID Guidance: The UT Tyler community of Patriots respects the rights of others to wear a mask if they desire to do so. COVID guidelines may change as the situation warrants, and students should follow the instructions warranted by the situation.

Absence for Official University Events or Activities: This course follows the practices related to approved absences as noted by the Student Manual of Operating Procedures ([Sec. 1 -501](#)).

Absence for Religious Holidays: Students who anticipate being absent from class due to a religious holiday are requested to inform the instructor by the second class meeting of the semester.

Campus Carry: We respect the right and privacy of students who are duly licensed to carry concealed weapons in this class. License holders are expected to behave responsibly and keep a handgun secure and concealed. More information is available at <http://www.uttyler.edu/about/campus-carry/index.php>.