



**Translational Science 2
NURS 5302
Fall B 2025**

Scheduled Class Days and Times: Online

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Course Description: Students will explore quantitative research designs, statistical analytical techniques, and appraisal of quantitative evidence for understanding nursing as a scientific discipline.

Prerequisites: NURS 5301

Corequisites: None

Student Learning Outcomes:

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

1. Explore the major steps in a quantitative study.
2. Identify quantitative research designs and their contribution to nursing as a science.
3. Critically appraise quantitative evidence in nursing practice
4. Describe statistical analytical techniques.

Required Textbooks

- Polit, D.F. & Beck, C.T. (2022). *Essentials of nursing research: Appraising evidence for nursing practice* (10th ed.). Wolters Kluwer. **ISBN:** 9781975141851

Assignments and Weights/Percentage/Point Values

**Graded assignments are worth 100 points each*

Discussion Board 1	5%
Discussion Board 2	5%
Quiz 1: Chapters 1 & 2	10%
Quiz 2: Chapters 8 & 9	10%
Critical Appraisal 1	15%
Critical Appraisal 2	20%
Library Search Activity	15%
Final Exam	20%
Total Percentage	100%

Required Non-Graded Assignments (Complete or Non-Complete)

**Submission of nongraded assignments is required to pass the course*

Introduction Discussion Board	C/NC
Affirmations "Quiz"	C/NC

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.

Although the university policy allows 60 days for grade appeals, the School of Nursing follows a stricter timeline of 10 days to facilitate students' timely progression through the curriculum. In the case of extenuating circumstances, please consult the Associate Dean of Academic Affairs for guidance.

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.

Attendance and Make-up Policy: Attendance/participation is expected. Make-up for any assignment is per faculty discretion.

Academic Integrity: Cheating of any kind, as defined in Section 8 of the UT Tyler Manual of Policies and Procedures (MOPP) for Student Affairs (<https://www.uttyler.edu/mopp/>), will not be tolerated.

Consequences may include:

- reprimand
- exam failure
- course failure
- expulsion from the Nursing program
- expulsion from the University

- other consequences as assigned

Artificial Intelligence Statement

UT Tyler is committed to exploring and using artificial intelligence (AI) tools as appropriate for the discipline and task undertaken. We encourage discussing AI tools' ethical, societal, philosophical, and disciplinary implications. All uses of AI should be acknowledged as this aligns with our commitment to honor and integrity, as noted in UT Tyler's Honor Code. Faculty and students must not use protected information, data, or copyrighted materials when using any AI tool. Additionally, users should be aware that AI tools rely on predictive models to generate content that may appear correct but is sometimes shown to be incomplete, inaccurate, taken without attribution from other sources, and/or biased. Consequently, an AI tool should not be considered a substitute for traditional approaches to research. You are ultimately responsible for the quality and content of the information you submit. Misusing AI tools that violate the guidelines specified for this course (see below) is considered a breach of academic integrity. The student will be subject to disciplinary actions as outlined in UT Tyler's Academic Integrity Policy.

AI is encouraged during this course, and appropriate acknowledgement is expected. You can use AI programs (ChatGPT, Copilot, etc.) in this course. These programs can be powerful tools for learning and other productive pursuits, including completing assignments in less time, helping you generate new ideas, or serving as a personalized learning tool. However, your ethical responsibilities as a student remain the same. You must follow UT Tyler's Honor Code and uphold the highest standards of academic honesty. This applies to all uncited or improperly cited content, whether created by a human or in collaboration with an AI tool. If you use an AI tool to develop content for an assignment, you must cite the tool's contribution to your work.

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.

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, clinical time missed is at the discretion of the instructor.

Graded Course Requirements Information:

- Discussion Boards (2): Students will create initial posting and one reply to a peer based on discussion prompts
- Quizzes (2): Students will complete a 20-item multiple choice open-resource quizzes for the content covered in the week the quiz is due
- Critical Appraisals (2): Students will learn to critically appraise and compare two assigned quantitative articles using provided checklists
- Library Search Assignment (1): Students will explore how to conduct library searches to identify evidence to be used in answering a clinical question
- Final Exam (1): Students will apply knowledge in the 22-item open-resource quiz including 20 multiple choice and two essay questions

Please Note: Detailed information and instructions along with grading rubrics for all assignments will be provided in the Canvas course.

Non-Graded Course Requirements Information:

- If Fall 2025 marks your first enrollment in the UT Tyler SON master's program, to graduate you are required to complete a total of 750 practice hours if you are enrolled in an APRN program or 500 hours if enrolled in a non-APRN program. Here is the good news: we have a structured plan to help you accumulate these hours as you progress through the program. In this course, you will complete 10 practice hours, which will contribute towards the total requirement. You may not resubmit hours approved for this course in another course. We have created a list of ideas for you to choose from that will enhance your skills and competencies as a master's-prepared nurse! These practice hours are mandated by our accreditation agency, the Commission on Collegiate Nursing Education (CCNE).

Important Course Dates:

Classes Begin: October 16, 2025

Census Date (withdraw without penalty): October 24, 2025

Last Date to Withdraw: November 21, 2025. Students, please notify your course faculty and contact your advisor.

Module	Date	Content	Read/View	Assignment	Due Date
1	10.16	Getting Started Nursing Research and Its Role in Evidence- Based Practice	Getting Started Chapters: 1 Videos: 1	Affirmation Forms Discussion-Introduction Key Terms Discussion 1 Discussion 1 Response	10.22 10.26 10.28
2	10.27	Understanding Key Concepts in Research	Chapters: 1 Videos: 2 Weblinks: 2	Key Terms Quiz	11.2
3	11.3	Reading and Critically Appraising Research Articles	Chapters: 2 Weblinks: 3	Quantitative Appraisal 1 Key Terms	11.9
4	11.10	Identifying Research Problems, Questions, and Hypotheses	Chapters: 2 Videos: 1 Weblinks: 1	Library Search Key Terms	11.16
5	11.17	Appraising Quantitative Research Designs and Appraising Sampling and Data	Chapters: 2 Videos: 2	Key Terms Quiz Discussion 2 Discussion 2 Response	11.30 12.2
6	12.1	Understanding Statistical Analysis and Interpreting Quantitative Findings	Chapters: 2 Videos: 2	Quantitative Appraisal 2 Key Terms	12.7
7	12.8	Putting Research Evidence into Practice: Evidence-Based Practice and Practice- Based Evidence	Chapters: 1	Final Exam	12.13
		Final Grades Posted			12.16

School of Nursing Policies and Additional Information:

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

* Student Resources and University Policies are provided in Canvas.