



**Translational Science 2
NURS 5302
Fall 2026**

Scheduled Class Days and Times: Online

Instructor's Name: Dixie Rose, PhD, RN, ACUE (Section P060)

Office: NUR 3206 and Virtual

Phone: 903-566-6281

***Email:** drose@uttyler.edu

Office Hours: Virtual Office Hours: Tuesdays 7 a.m. to 10 a.m. CT and by appointment for video conference. Additional days and times may be arranged upon request. Please email faculty to make arrangements/obtain Zoom link.

***Best way to contact me**

Instructor's Name: Kristen Sinay, PhD, RN, CNE (Section P061)

Office: Virtual

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Office Hours: Virtual Office Hours: Fridays 10:30 a.m. to 1:30 p.m. CT and by appointment for video conference. Additional days and times may be arranged upon request. Please email faculty to make arrangements/obtain Zoom link.

***Best way to contact me:** Canvas message, not email

Instructor's Name: Huaxin Song, PhD (Section P062)

Office: Virtual

***Phone:** 806-789-7800

***Email:** hsong@uttyler.edu

Office Hours: Virtual Office Hours: Wednesdays from 7 p.m. to 8:30 p.m. CT for phone call or video conference. Additional days and times may be arranged upon request. Please email faculty to make arrangements/obtain Zoom link.

***Best way to contact me:** Text or Email

Instructor's Name: Jodi Bullard, PhD, RN, ACUE (Section P063)

Office: NURS 3604 and Virtual

Phone: (903) 566-7320

***Email:** jbullard@uttyler.edu

Office Hours: Mondays 9 a.m. to 12 noon CT and by appointment for video conference. Additional days and times may be arranged upon request. Please email faculty to make arrangements/obtain Zoom link

***Best way to contact me**

Instructor's Name: Kevin Gosselin, PhD (Section P064)

Office: Virtual

Phone: 903-566-7320

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Office Hours: Virtual Office Hours: Fridays from 11 a.m. to 2 p.m. CT for phone call or video conference. Additional days and times may be arranged upon request. Please email faculty to make arrangements/obtain Zoom link.

***Best way to contact me**

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

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

Introduction Discussion Board	C/NC
Affirmations "Quiz"	C/NC
Key Terms Definitions (Weeks 1-6)	C/NC
Discussion Board 1	5%
Quiz 1: Chapters 1 & 2	10%
Quantitative Research Critical Appraisal 1	15%
Library Search	15%
Discussion Board 2	5%
Quiz 2: Chapters 8 & 9	10%
Quantitative Research Critical Appraisal 2	20%
Final Exam	20%
Total Percentage	100%
10 Practice Hours (refer to the Pass/Fail Course Requirements Information Section)	Pass/Fail

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.

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: 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.

For this course, AI is permitted for specific assignments or situations, as indicated by your course faculty. Appropriate acknowledgement of AI use is required. Learning how to use AI is an emerging skill, and we will work through the limitations of these evolving systems together. To uphold academic integrity and the spirit of scholarly pursuit, when you utilize any generative AI tools to help with the completion of an assignment, it must be properly

documented (which tool was used and how it was used). For any assignment requiring [APA formatting and citation style](https://apastyle.apa.org/blog/cite-generative-ai-references) <https://apastyle.apa.org/blog/cite-generative-ai-references> (or other approved style), use the appropriate Style Guide to cite and reference the use of the generative AI tool. Specific assignments may require additional details; see assignment instructions.

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.

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.

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 Canvas.

Pass/Fail Course Requirements Information: If Fall 2025 or thereafter marks your first enrollment in the UT Tyler School of Nursing 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. 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. These practice hours are mandated by our accreditation agency, the Commission on Collegiate Nursing Education (CCNE). Completion of 10 practice hours approved through Exxat are required to pass the course.

Important Course Dates (SON Flex 1):

Classes Begin: August 27, 2026

Census Date (withdraw without penalty): September 2, 2026

Last Date to Withdraw: September 30, 2026. Students, please notify your course faculty and contact your advisor.

Important Course Dates (SON Flex 2):

Classes Begin: October 15, 2026

Census Date: (withdraw without penalty): October 23, 2026

Last Date to Withdraw: November 18, 2026. Students, please notify your course faculty and contact your advisor.

Calendar of Topics, Readings, and Due Dates (SON Flex 1):

Course Schedule				
<i>Week #</i>	<i>Date</i>	<i>Class Topic</i>	<i>Readings</i>	<i>Assignments Due</i>
Week 1	Th 8/27	Getting Started Nursing Research and Its Role in Evidence-Based Practice	Getting Started Chapters: 1 Videos: 1	Affirmation forms (9/2) Discussion - Introduction (9/6) Key Terms (9/6) Discussion 1 (9/6) Discussion 1 Response (9/8)
Week 2	M 9/7	Understanding Key Concepts in Research	Chapters: 1 Videos: 2 Weblinks: 2	Key Terms (9/13) Quiz (9/13)
Week 3	M 9/14	Reading and Critically Appraising Research Articles	Chapters: 2 Weblinks: 3	Key Terms (9/20) Quantitative Appraisal 1 (9/20)
Week 4	M 9/21	Identifying Research Problems, Questions, and Hypotheses	Chapters: 2 Videos: 1 Web Links: 1	Key Terms (9/27) Library Search (9/27)
Week 5	M 9/28	Appraising Quantitative Research Designs and Appraising Sampling and Data	Chapters: 2 Videos: 2	Key Terms (10/4) Quiz (10/4) Discussion 2 (10/4) Discussion 2 Response (10/6)
Week 6	M 10/5	Understanding Statistical Analysis and Interpreting Quantitative Findings	Chapters: 2 Videos: 2	Key Terms (10/11) Quantitative Appraisal 2 (10/11)
Week 7	M 10/12	Putting Research Evidence into Practice: Evidence- Based Practice and Practice-Based Evidence	Chapters: 1	Final Exam (10/15)

Calendar of Topics, Readings, and Due Dates (SON Flex 2):

Course Schedule				
Week #	Date	Class Topic	Readings	Assignments Due
Week 1	Th 10/15	Getting Started Nursing Research and Its Role in Evidence-Based Practice	Getting Started Chapters: 1 Videos: 1	Affirmation forms (10/21) Discussion - Introduction (10/25) Key Terms (10/25) Discussion 1 (10/25) Discussion 1 Response (10/27)
Week 2	M 10/26	Understanding Key Concepts in Research	Chapters: 1 Videos: 2 Weblinks: 2	Key Terms (11/1) Quiz (11/1)
Week 3	M 11/2	Reading and Critically Appraising Research Articles	Chapters: 2 Weblinks: 3	Key Terms (11/8) Quantitative Appraisal 1 (11/8)
Week 4	M 11/9	Identifying Research Problems, Questions, and Hypotheses	Chapters: 2 Videos: 1 Web Links: 1	Key Terms (11/15) Library Search (11/15)
Week 5	M 11/16	Appraising Quantitative Research Designs and Appraising Sampling and Data	Chapters: 2 Videos: 2	Key Terms (11/29) Quiz (11/29) Discussion 2 (11/29) Discussion 2 Response (12/1)
Week 6	M 11/30	Understanding Statistical Analysis and Interpreting Quantitative Findings	Chapters: 2 Videos: 2	Key Terms (12/6) Quantitative Appraisal 2 (12/6)
Week 7	M 12/7	Putting Research Evidence into Practice: Evidence- Based Practice and Practice-Based Evidence	Chapters: 1	Final Exam (12/10)

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.