



**Informatics, Quality & Safety Capstone
NURS 5389
Fall 2026**

Scheduled Class Days and Times: Online

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Virtual Office Hours: Mondays from 6:00 pm – 9:00 pm CST by appointment for phone call or video conference. Additional days and times may be arranged upon request. Please email the faculty to make arrangements and obtain a Zoom/Teams link.

*Best way to contact me.

Course Description: Students will implement and evaluate a project, applying knowledge and theory gained from core graduate and informatics, quality, and safety courses.

Prerequisites: NURS 5381, NURS 5383, NURS 5385, NURS 5387 unless otherwise approved by the program coordinator.

Student Learning Outcomes:

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

1. Identify a clinical or practice problem and conduct a comprehensive literature review to synthesize available evidence addressing the issue.
2. Demonstrate understanding of current evidence and clinical practice guidelines.
3. Design an evaluation plan to assess project processes and outcomes, ensuring sustainability and cost-effectiveness.
4. Develop a professional presentation and present it to peers.
5. Develop a manuscript for submission for publication in a professional nursing journal or a final poster presentation for submission to a conference, demonstrating the ability to contribute to scholarly discourse and advance nursing practice.

Required Textbooks and Readings:

- Garcia-Dia, J. (2018). *Project management in nursing informatics*. Springer Publishing Company.

ISBN-13: 978-0826164346

Used or Rental is acceptable – no requirement to use online resources

Note: UT Tyler Library has access to 3 copies of the e-book. This means you can access the book for free, but only 3 students can be using the book at a time; otherwise, it becomes unavailable until a student closes the ebook. You can also download PDF Chapters to keep. Access at

<https://openurl.ebsco.com/openurl?sid=ebsco:plink:mosaic&id=ebsco:nlebk:2031269>

- Christenbery, T. (2018). Evidence-based practice in nursing foundations, skills, and roles. Springer Publishing.

Note: Available for free through UTT Library at:

<https://go.openathens.net/redirector/uttyler.edu?url=https%3A%2F%2Febookcentral.proquest.com%2Flib%2Futtyler%2Fdetail.action%3FdocID%3D5185511>

Recommended Textbooks and Readings:

- American Psychological Association. (2020). *Publication manual of the American Psychological Association* (7th ed.). Washington, D.C.: Author.

ISBN-13: 9781433832161

Note: Available to all UTT students for free at <https://stylemanual.apa.org/dashboard>.

Scroll to the bottom section “Open Athens” and select the University of Texas at Tyler from the drop-down menu. You will then be able to login with your UTT username and password. The e-book allows you to highlight and make bookmarks. There are even lessons available on how to do common tasks.

- McGonigle, D. & Mastrian, K. G. (2025) *Nursing informatics and the foundation of knowledge 6th edition*. Burlington, MA: Jones & Bartlett Learning

ISBN-13: 978-1284293432

Used or Rental is acceptable – no requirement to use online resources

Note: UT Tyler Library has access to 3 copies of the e-book. This means you can access the book for free, but only 3 students can be using the book at a time; otherwise, it becomes unavailable until a student closes the ebook. Access at

<https://ebookcentral.proquest.com/lib/uttyler/detail.action?docID=31072104>

Assignments and Weights/Percentage/Point Values

Criteria for Evaluation	Percentage of Grade
Discussion Boards	20%
Module Assignments	20%
Capstone Project Presentation	60%
130 Practice Hours (refer to the Pass/Fail Course Requirements Information Section) Note: Students who started the MSN Informatics Quality and Safety program prior to Fall 2025 are required to complete a minimum of 112.5 practice hours to pass the course, but may optionally complete 200 hours to meet eligibility requirements for the ANCC Informatics Nursing Certification exam. See https://www.nursingworld.org/our-certifications/informatics-nurse/ "Eligibility" section under Step 1 for details.	P/F
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.

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 acknowledgment 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](#) (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.

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:

The following is an overview of the major graded assignments.

Discussions: Discussion Board assignments cover topics of importance in nursing informatics related to course content. Responses to peers should be substantial. When discussion boards or peer responses must follow a certain format, the details are provided in the instructions and rubric.

Module Assignments: This includes various module assignments that demonstrate a working understanding of the content covered.

Capstone Project Presentation: Students will complete a capstone project proposal as part of their practice hours. They will then provide a professional presentation summarizing their project to their peers.

Please Note: Detailed information, along with grading rubrics for course 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 or certificate program, you are required to complete 130 practice hours for this course. If you are in the Nursing Informatics, Quality, and Safety master's program, these hours will count toward the total required 500 hours. 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 130 practice hours approved through Exxat are required to pass the course.

If your first enrollment was prior to Fall 2025 in the UT Tyler School of Nursing master's or certificate program, you are required to complete a minimum of 112.5 practice hours for this course. However, if you want to use practice hours from this course to meet eligibility requirements for the ANCC Informatics Nursing Certification exam, you must complete 200 practice hours instead. Completion of 112.5 practice hours approved through Exxat are required to pass the course.

Working with a preceptor during your Capstone project and for other practice hours is optional. However, the Capstone project and other practice hours can be completed without a preceptor or facility placement. More details are available in Canvas.

Important Course Dates:

Classes Begin: August 27, 2026

Census Date (withdraw without penalty): September 10, 2026

Last Date to Withdraw: November 2, 2026. Students, please notify your course faculty and contact your advisor.

Final Exam: N/A

NURS 5389 Informatics Quality and Safety Capstone				
School of Nursing Academic Calendar: School of Nursing Academic Calendar 26-27 UT Tyler				
Dates	Topics	Readings	Due Date	Assignments Due
Preview Aug 27	Preview Days Getting Started	UT Tyler syllabus		The Canvas course is open and ready for viewing. No assignments due this week.
Week 1 Aug 31	Getting Started Modules Spirit of Inquiry	Cristenbery, T. (2018) Chapter 1 Chapter 2 Other readings and videos in Canvas	Sept 6	Graduate Affirmation Forms Assignment: Begin to explore your project topic
Week 2 Sept 7	Introduction to Appraisal of Evidence and Aim Statement	Cristenbery, T. (2018) Chapter 3 Other readings in Canvas	Sept 13	Discussion Board: Problem and aim statement (initial post)
Week 3 Sept 14	Searching the Literature	Other readings in Canvas	Sept 20	Discussion Board: Problem and aim statement (reply to peers) Assignment: Literature Search
Week 4 Sept 21	Appraisal of Research	Cristenbery, T. (2018) Chapter 8	Sept 27	Assignment: Capstone project – Appraisal of evidence
Week 5 Sept 28	Capstone Project (weeks 5-10)	Cristenbery, T. (2018) Chapter 11	Oct 4	Assignment: Capstone project – Project need and rationale
Week 6 Oct 5		Garcia-Dia (2018) Chapter 3	Oct 11	Assignment:

		Chapter 4 Chapter 5 Chapter 13		Capstone project – Measure improvement
Week 7 Oct 12			Oct 18	Assignment: Capstone project – Technology
Week 8 Oct 19		Other readings in Canvas	N/A	N/A
Week 9 Oct 26			Nov 1	Assignment: Capstone project – Implementation plan
Week 10 Nov 2			Nov 8	Assignment: Capstone project – Project closing and evaluation
Week 11 Nov 9	Project Presentation		Nov 15	Assignment: Project Presentation Discussion Board: Project Presentation (initial post)
Week 12 Nov 16	Finish any remaining practice hours		Nov 29	Discussion Board: Project Presentation (reply to peers)
Nov 23 – 27 Thanksgiving Break				
Week 13 Nov 30	Finish any remaining practice hours		Dec 6	Survey: Practice hour due End of semester school of nursing survey for expected graduates
Week 14 Dec 7				

Biweekly “Get Together” opportunities are scheduled for **9/8, 9/22, 10/6, 10/20, 11/3, 11/17 and 12/8**

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.