



**Informatics, Quality & Safety Capstone
NURS 5389
Summer 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 faculty to make arrangements/obtain Zoom link.

*Best way to contact me.

Course Description: This course is focused on demonstrating critical thinking, self-direction, and competency in the skills needed by healthcare informatics professionals entering the profession. Using students' learning from the prerequisite courses, a series of real-world work products will be created based on unfolding case studies using simulated data sets. Students will work in one or more consulting team(s) however; a portfolio of their individual work will be created as exemplars for the future.

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. Demonstrate critical thinking and self-direction required as an informatics professional.
2. Demonstrate advanced data analysis skills
3. Working in a consultant model, complete competency skill projects when provided with case scenarios
4. Write a business report of each project, including an executive summary.
5. Present a summary of their project in webinar format.
6. Provide constructive feedback to their peers.

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: the APA 7th edition Online Manual is now available to all 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.

Other Textbooks/Materials:

Depending on the selected experiential learning by each student. Do not order any books in this section until an individual competency plan has been developed:

Instructions will be found in Canvas and reviewed during the course orientation webinar.

Depending on student choices during the course, other resources may be required.

Other learning materials will be provided in the Canvas course.

Special Course Notes:

All students must have access to the following software applications:

- Microsoft Word, Excel, and PowerPoint for PC/Mac desktop
- EHR Go – academic electronic health record subscription. Subscription available from UT Tyler Bookstore or from vendor at <https://web21.ehrgo.com/register> you will receive the Program Key at Course Orientation in Week 1.

Assignments and Weights/Percentage/Point Values

Criteria for Evaluation	Percentage of Grade
Required Informatics Activities Minimum 80% score on all activities	30%
Required Quality Activities Minimum 80% score on all activities	20%
Required Safety Activities Minimum 80% score on all activities	20%
Community Informatics or Evidence-Based Project Minimum 80% score on all activities	20%
Final Reflection	10%
Minimum of 112.5 (refer to the Pass/Fail Course Requirements Information Section) Note: 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. See https://www.nursingworld.org/our-	Pass/Fail

certifications/informatics-nurse/ “Eligibility” section under Step 1 for details.	
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.

In this class, students will complete practice hours (112.5 hours minimum) by demonstrating their competencies in three required areas – quality, safety, and informatics. Multiple simulated activities in these areas must be completed with a minimum of 80 out of 100 possible points for successful completion.

There is also a Capstone project that is unique to each student. Details will be provided in the Canvas course and during course orientation.

Please Note: Detailed information, along with grading rubrics for course assignments, will be provided in Canvas

Pass/Fail Course Requirements Information:

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.

Important Course Dates:

Classes Begin: May 11, 2026

Census Date (withdraw without penalty): May 26, 2026

Last Date to Withdraw: July 15, 2026. Students, please notify your course faculty and contact your advisor.

Final Exam: N/A

Calendar of Topics, Readings, and Due Dates:

<i>Week #</i>	<i>Date</i>	<i>Class Topic</i>	<i>Assignments Due</i>
Week 1	5/11	<ul style="list-style-type: none"> Getting Started Modules Module 1 – Introduction, Objectives & Course Overview 	Webinar: Orientation (5/14) Graduate Affirmation Forms (5/17) Plan for Completion of Clinical Hours (5/17)
Week 2	5/18	For weeks 2-13, you will self-pace through the following modules in whichever order you prefer. <ul style="list-style-type: none"> Capstone Project Quality Safety Informatics Additional practice hour options for quality, safety, and informatics Biweekly “Get Together” opportunities are scheduled for 5/19, 6/2, 6/19, 6/30, 7/7, 7/21, and 8/4	You should manage your time and complete some assignments and practice hours every week. Each of the following must be completed by August 9, 2026 . <ul style="list-style-type: none"> Capstone Project Quality Improvement with the EHR SAFER Analysis Data Analytics and Visualization (parts 1-5) Querying Data in the EHR (parts 1-6) Data Cleansing Data Dashboard Webinar: Getting Ready for Career and Certifications 112.5 Practice Hours recorded in Exxat Reflection on Learnings
Week 3	5/25		
Week 4	6/1		
Week 5	6/8		
Week 6	6/15		
Week 7	6/22		
Week 8	6/29		
Week 9	7/6		
Week 10	7/13		
Week 11	7/20		
Week 12	7/27		
Week 13	8/3		
Week 14	8/10		

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.