



## Informatics & Healthcare Technologies

NURS 7303

Spring 2026

**Scheduled Class Days and Times:** Online

**Instructor's Name:** TBD

**Phone:** TBD

**Email:** TBD

**Office Hours:** TBD

**Course Description:** This course introduces foundational principles of healthcare informatics, data management, and statistical analysis for quality improvement. Students will explore the role of informatics in enhancing patient safety, optimizing clinical workflows, and supporting evidence-based decision-making. Through hands-on exercises and applied projects, students will develop practical skills in utilizing health information technologies and digital solutions to drive system improvements and deliver person-centered care.

**Course Credit:** 3 credit hours

**Prerequisites:** NURS 7301, 7302, 7314, and 7315

### Student Learning Outcomes:

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

1. Evaluate patient outcomes and healthcare quality using data analysis techniques, statistical methods, and performance metrics. (AACN 2.7, 5.1, 5.2, 7.3, 8.2)
2. Analyze the alignment of system data with comparative patient safety benchmarks, applying statistical reasoning to identify trends and opportunities for improvement. (AACN 4.2, 5.1, 5.2, 7.2, 7.3, 8.2, 8.3)
3. Apply statistical principles to assess healthcare datasets and inform evidence-based system improvement strategies. (AACN 4.2, 5.1, 7.3, 8.2)
4. Evaluate the unintended consequences of health information technologies on clinical workflows, interprofessional communication, and patient safety through data interpretation. (AACN 5.1, 5.2, 7.3, 8.1, 8.2, 8.4, 8.5)
5. Utilize information and communication technologies to collect, analyze, and interpret healthcare data, transforming statistical findings into meaningful clinical insights. (AACN 8.1, 8.2, 8.3, 8.4)
6. Integrate informatics processes and digital health solutions to support safe and person-centered care across all populations and care settings. (AACN 2.2, 2.3, 2.5, 2.7, 3.1, 8.2, 8.3, 8.4)

### Required Textbooks and Readings:

All required references are provided within the Canvas course. No additional textbooks are required for purchase.

### **Assignments and Weights/Percentage/Point Values**

Assignment	Value
Database Discussion	20 pts
Human Computer Interaction Discussion	20 pts
AI Evidence Paper	25 pts
Final Paper	100 pts

### **DNP Practice Hours Requirement:**

To successfully pass this course, students must complete and document a **minimum of 50 DNP Practice Hours** in Exxat. Proper and timely documentation in Exxat is mandatory and will be monitored for compliance.

Students who are applying approved post-baccalaureate clinical/practice hours to the DNP program are permitted to apply a portion of those hours to satisfy **up to 50%** of the required hours for this course, provided that these hours meet the program's criteria and are properly verified.

**Within the first two weeks of the course**, students must complete the *DNP Practice Hours Plan Attestation form*, specifying the number of hours they plan to apply to this course. The attestation form must also include a statement of the total number of post-baccalaureate clinical/practice hours approved through the *Clinical Hour Verification Request* process, the number of hours applied to previous courses, and the remaining balance of hours available to be applied toward future courses. Failure to complete and submit the attestation form within the required timeframe may result in ineligibility to apply post-baccalaureate hours to the course.

**Practice hours must be logged in Exxat within 7 days of completing the activity.** Failure to log hours within this timeframe will result in the hours being disqualified for credit, and the activity will need to be repeated to count toward the required hours.

Failure to complete the required hours for the course or to accurately document them in Exxat will result in an **incomplete or course failure**, as meeting the hour requirement is essential for progression in the program. Students are responsible for ensuring that all hours are properly logged and verified within the designated timeframe.

### **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.

**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.

**Missed Assignments Policy:** All course assignments are required components of this course and must be completed to receive a passing grade. If an assignment is missed, a grade of zero will be recorded and will remain as the final grade for that assignment. However, the assignment must still be completed and submitted, regardless of the grade penalty, to satisfy course completion requirements. Failure to submit all required coursework may result in a course failure, regardless of the final grade average.

**Assignment Resubmission Policy:** To support mastery learning and academic success, students are permitted to resubmit any assignment on which they initially earned less than 80%, under the following conditions:

- One-time Resubmission: Students may resubmit each eligible assignment only once.
- Grade Cap: The maximum grade that can be earned on any resubmitted assignment is 80%, regardless of the quality of the resubmission.
- Exclusions: This policy does not apply to assignments in which the original grade was below 80% due to late submission penalties applied in accordance with the course's Late Policy.
- Submission Deadline: Resubmitted work must be submitted within 7 days of receiving the original grade and feedback, unless otherwise approved by the instructor.

Students are strongly encouraged to review instructor feedback carefully and consult with the instructor as needed before resubmitting work.

**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.

**Important Course Dates:**

- Classes begin for 15-week session: 1/8/26
- Orientation: TBD. Teams link will be provided in the course Modules section
- Census Date: 1/21/26
- Holidays: MLK Day (1/19/26), Spring Break (3/9/26 - 3/13/26)
- Last Date to Withdraw: 3/24/26

Last Day of Course: 4/25/26; please refer to the course schedule and Canvas for specific due dates.

*Please note that all assignments must be submitted by 11:59 PM Central Time on the due date listed.*

**Calendar of Topics, Readings, and Due Dates:** Details about readings and assignments will be provided in Canvas.

**School of Nursing Policies and Additional Information:**

[https://www.uttyler.edu/nursing/college/student\\_guide\\_and\\_policies.php](https://www.uttyler.edu/nursing/college/student_guide_and_policies.php)

**Student Resources and University Policies are provided in Canvas (in the Syllabus Module).**

**NURS 7303 Course Calendar: Spring 2026 TBD**

*All times listed on the schedule and in Canvas are for Central Time and subject to change.*