



**Nursing Informatics
NURS 3315
Fall 2026**

**Scheduled Class Days and Times: Hybrid; Tuesdays 3:00 PM – 4:30 PM; Data Analytics Lab
Hours TBA**

Instructor's Name: Angela Nachman, DNP, RN, NI-BC, CCRN

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Email: Anachman@uttyler.edu

Office Hours: Tuesdays 9:00 AM to 11:00 AM; Wednesdays 11:00 AM to 12:00 PM and available via appointment, email, conference call, and/or Zoom.

*Best way to contact me is Canvas/e-mail

Instructor's Name: Cristy Baker, DNP, RN

Office: Longview University Campus

Phone: 903-566-7320

Email: cbaker@uttyler.edu

Office Hours: Wednesdays 2 pm - 4pm, Thursdays 1pm - 2pm, and by appointment, email, and/or Zoom.

*Best way to contact me is Canvas/email

Course Description: This course provides an introduction to nursing informatics and the technologies used to support healthcare delivery. Students will learn how nurses use electronic health records, data, clinical decision support tools, artificial intelligence, and digital health technologies to improve patient care and healthcare outcomes. Course topics include documentation, information management, evidence-based practice, data analytics, patient engagement, quality and safety initiatives, healthcare technology implementation, and legal and ethical considerations related to privacy, security, and the use of health information. By the end of the course, students will understand how technology, information, and data support clinical decision-making and professional nursing practice.

Prerequisites: Admittance to the Nursing Program

Student Learning Outcomes:

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

1. Informatics and Healthcare Technologies: Demonstrate an understanding of the basic concepts and principles of nursing informatics.
2. Informatics and Healthcare Technologies: Utilize various information technologies and data management systems commonly used in healthcare settings.
3. Quality and Safety: Analyze healthcare data to identify trends, patterns, and insights that can inform decision-making and improve patient care.
4. Professionalism: Apply ethical and legal principles to the use and management of health information.
5. Interprofessional Partnerships: Collaborate with interdisciplinary teams to integrate informatics solutions into nursing practice.
6. Scholarship for Nursing Discipline: Critically evaluate the impact of informatics on nursing practice, patient outcomes, and healthcare delivery.

Required Textbooks, Readings, and Technical Resources:

- Open educational resources to be provided through Canvas. See individual weekly modules for details
- ATI Products
- Technical resources: Laptops/electronic devices are required for testing with ATI. Notebooks and tablets are not compatible for ATI Products.

Special Course Notes:

1) This course will require each student to participate on one course date TBD in an activity lasting under 50 minutes in the on-campus data analytics lab.

Graded Course Requirements Information:

Any assignment/reading that is to be completed before the weekly class meets will be detailed on the designated weeks' page under "Pre-class assignment". The "In-Class Activities" page will provide handouts, and on weeks that class sessions are not in person, a professor-recorded lecture will be provided. Any "Post-class Assignments" will be listed at the end of the page for that designated course week. This is a hybrid course that will meet every other week during the semester. In-person attendance and participation in class will each contribute to the "Participation" portion of the course grade. Detailed instructions for participation work will be given in class. The 1-time scheduled analytics lab session will be part of the participation grade. An ATI proctored assessment will be administered at the end of the course term.

Assignments and Weights/Percentage/Point Values

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|------------------------------|-----|-----|
| 1. ATI Proctored Assessment | 10% | |
| 2. Practical Assignments | | 30% |
| 3. Informatics Applications | 25% | |
| 4. ATI Assignments | 25% | |
| 5. Participation Assignments | 10% | |

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 - 75-79
- D - 60-74
- F - Below 60

A course average of 75% must be achieved to pass this course. Final course grades less than 75 are not rounded up.

Artificial Intelligence in coursework: This course has specific assignments where artificial intelligence (AI) tools (such as ChatGPT or Copilot) are permitted and encouraged. When AI use is permissible, it will be clearly stated in the assignment directions, and all use of AI must be appropriately acknowledged and cited. Otherwise, the default is that AI is not allowed during any stage of an assignment.

Grade Appeals: 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.

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

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.

Grade Replacement: Students repeating a course for grade forgiveness (grade replacement) must file a Grade Replacement Contract with the Enrollment Services Center (ADM 230) on or before the Census Date of the semester in which the course will be repeated. Grade Replacement Contracts are available in the Enrollment Services Center or at <https://www.uttyler.edu/current-students/registrar/>. Each semester's Census Date can be found on the Contract itself, on the Academic Calendar, or in the information pamphlets published each semester by the Office of the Registrar. 3 Failure to file a Grade Replacement Contract will result in both the original and repeated grade being used to calculate your overall grade point average. Undergraduates are eligible to exercise grade replacement for only three course repeats during their career at UT Tyler; graduates are eligible for two grade replacements. Full policy details are printed on each Grade Replacement Contract.

Important Course Dates for Fall 2026

- Canvas opens: Thursday, 8/27/26
- Classes begin to meet: Monday, 8/31/26
- Census Date (withdraw without penalty): 9/10/26
- Last Date to Withdraw: 10/30/26 (Please contact your advisor to discuss withdrawing from the course and notify your course instructor.)
- Last Day of Class: Tuesday 12/7/26

Course Calendar

Readings: Please refer to Canvas for access to all assigned reading material. Assignments will be listed within each weekly module with instructions for completion. Assignments are due on Sunday at the end of each week by 11:59 PM.

Week #	Date	Class Topic & Assignments
Getting Started	Thursday, August 27	Canvas opens on Thursday: Explore Canvas Required Undergraduate Forms, Getting-to-Know-You Survey

Week 1	August 31	Introduction to Nursing Informatics. Assignments: ATI Engage Fundamentals RN 2.0: Informatics; ATI Nurse's Touch: Nursing Informatics and Technology: Informatics
Week 2	September 7	Theoretical Frameworks and Technology-Related Literacies. Data Analytics Lab Information provided in class. Assignment: Become the Informatics Consultant.
Week 3	September 14	Informatics-Related Standards and Standard Setting. Assignment: Standardized Terminology in Action: Patient Case Activity
Week 4	September 21	Technical Infrastructure, the Electronic Health Record, and Precision Care. AI Case Study. Assignments: ATI Video Case Studies 3.0: Informatics: Documenting in the Electronic Medical Record
Week 5	September 28	Clinical Decision Support and Artificial Intelligence. Assignments: Artificial Intelligence Use in Nursing Practice Initial Discussion Post; ATI Nurse's Touch: Nursing Information and Technology: Information Management Systems
Week 6	October 5	Utilizing Technology to Improve Healthcare Workflows and Experience. Assignments: Artificial Intelligence Use in Nursing Practice Peer Reply Post.
Week 7	October 12	Patient Engagement and Digital Health Technologies. Assignments: Evaluating a Mobile Health App for Nursing Practice; ATI The Communicator 2.0: Client Care through Telehealth; ATI Nurse's Touch: Nursing Informatics and Technology: Literacy Skills and Consumer Education
Week 8	October 19	Making Smart Decisions with Healthcare Data. Assignment: Solving a Nursing Problem with Informatics and Evidence
Week 9	October 26	Keeping Clients Safe: System Downtime, Recovery, and Quality Care. Assignment: Guest Panel Questions Assignment; Interview a Licensed Healthcare Provider
Week 10	November 2	How Healthcare Providers Use Data to Improve Care. Assignment: Introduction to Health Data Analytics Using CDC Data
Week 11	November 9	Smart Sharing: Social Media Use and Patient Privacy in Healthcare. Assignments: ATI Nurse's Touch: Nursing Informatics and Technology: Virtual Social Networks
Week 12	November 16	Legal Issues, Federal Regulations, and Accreditation; ATI Group Activity Session; Guest Speak Panel Q&A: Legal, Risk, and Informatics Nursing; Assignments: ATI Video Case Studies 3.0: Health Care Law: HIPAA ATI Engage Fundamentals RN 2.0: Ethical and Legal Considerations. Completion of DATA Analytics Open Lab and Assignment Submission due by November 22 at 11:59 PM (Last date to attend Data Analytics Open Lab November 17 at 2 PM)
Week 13-14	November 30	From Planning to Practice: Healthcare Technology Implementation and Innovation. Assignments: ATI Video Case Studies 3.0: Health Care Law: Client Rights and Informed Consent; Informatics Essentials Review and

		Assessment. <u>ATI Nurse's Touch Informatics and Technology Assessment (Proctored) on Tuesday, December 1 at 2 PM.</u>
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School of Nursing Policies and Additional Information:

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

Student Resources to assist you in this course:

[UT Tyler Student Accessibility and Resource \(SAR\) Office](#) (provides needed accommodations to students with document needs related to access and learning)

[UT Tyler Writing Center](#)

[The Mathematics Learning Center](#)

[UT Tyler PASS Tutoring Center](#)

[UT Tyler Supplemental Instruction](#)

[Upswing \(24/7 online tutoring\) - covers nearly all undergraduate course areas](#)

[Robert Muntz Library \(Links to an external site.\)](#) and [Library Liaison](#)

[Canvas 101](#) (learn to use Canvas, proctoring, Unicheck, and other software)

Digital Support Toolkit (for supported courses only. Students are automatically enrolled in the toolkit for supported courses)

LIB 422 - Computer Lab where students can take a proctored exam

[The Career Success Center](#)

[UT Tyler Testing Center](#)

[Office of Research & Scholarship Design and Data Analysis Lab](#)

Resources available to UT Tyler Students

[UT Tyler Counseling Center](#) (available to all students)

[TAO Online Support Center](#) (online self-help modules related to mental & emotional health)

[Military and Veterans Success Center](#) (support for all of our military-affiliated students)

[UT Tyler Patriot Food Pantry](#)

[UT Tyler Financial Aid and Scholarships](#)

[UT Tyler Registrar's Office](#)

[Office of International Programs](#)

[Title IX Reporting](#)

[Patriots Engage](#) (available to all students. Get engaged at UT Tyler.)

University Policies and Information

Withdrawing from Class: Students are allowed to [withdraw](#) (drop) this course through the University's withdrawal portal. Texas law prohibits students who began college for the first time in Fall 2007 or thereafter from dropping more than six courses during their entire undergraduate career. This includes courses dropped at other 2-year or 4-year Texas public colleges and universities. Make sure to consider the impact withdrawing from this class has on your academic progress as well as the financial implications. We encourage you to consult your advisor(s) and financial aid for additional guidance. CAUTION #1: Withdrawing before census day does not mean you get a full refund. Please see the [Tuition and Fee Refund Schedule](#). CAUTION #2: All international students must check with the [Office of International Programs](#) before withdrawing. All international students are required to enroll full-time for fall and spring terms.

Final Exam Policy: Final examinations are administered as scheduled. If unusual circumstances require that special arrangements be made for an individual student or class, the dean of the appropriate college, after consultation with the faculty member involved, may authorize an exception to the schedule. Faculty members are required to maintain student final examination papers for a minimum of three months following the examination date.

Incomplete Grade Policy: If a student, because of extenuating circumstances, is unable to complete all of the requirements for a course by the end of the semester, then the instructor may recommend an Incomplete (I) for the course. The "I" may be assigned in lieu of a grade only when all of the following conditions are met: (a) the student has been making satisfactory progress in the course; (b) the student is unable to complete all course work or final exam due to unusual circumstances that are beyond personal control and are acceptable to the instructor, and (c) the student presents these reasons prior to the time that the final grade roster is due. The semester credit hours for an Incomplete will not be used to calculate the grade point average for a student.

The student and the instructor must submit an Incomplete Form detailing the work required and the time by which the work must be completed to their respective department chair or college dean for approval. The time limit established must not exceed one year. Should the student fail to complete all of the work for the course within the time limit, then the instructor may assign zeros to the unfinished work, compute the course average for the student, and assign the appropriate grade. If a grade has not been assigned within one year, then the Incomplete will be changed to an F or NC if the course was originally taken under the CR/NC grading basis.

Grade Appeal Policy: UT Tyler's Grade Appeal policy requires the completion of a Grade Appeal form for this action to take place. The grade appeal begins with the instructor of your course. If you do not agree with the decision of the instructor, you may then move your appeal to the department chair/school director for that course. If you are still dissatisfied with the decision of the chair/director, you may move the appeal to the dean of the college offering that course, who has the final decision. Grade appeals must be initiated within sixty (60) days from the date of receiving the final course grade. The grade Appeal form is found on the [Registrar's Form Library](#).

Disability/Accessibility Services: The University of Texas at Tyler has a continuing commitment to providing reasonable accommodations for students with documented disabilities. Students with disabilities who may need accommodation(s) in order to fully participate in this class are urged to contact the Student Accessibility and Resources Office (SAR) as soon as possible to explore what arrangements need to be made to ensure access. If you have a disability, you are encouraged to visit the SAR Portal (<https://hood.accessiblelearning.com/UTTyler/>) and complete the New Student Application. For more information, please visit the [SAR webpage](#) or call 903.566.7079.

Military Affiliated Students: UT Tyler honors the service and sacrifices of our military-affiliated students. If you are a student who is a veteran, on active duty, in the reserves or National Guard, or a military spouse or dependent, please stay in contact with me if any aspect of your present or prior service or family situation makes it difficult for you to fulfill the requirements of a course or creates disruption in your academic progress. It is important to make me aware of any complications as far in advance as possible. I am willing to work with you and, if needed, put you in contact with university staff who are trained to assist you. Campus resources for military-affiliated students are in the [Military and Veterans Success Center \(MVSC\)](#). The MVSC can be reached at MVSC@uttyler.edu or via phone at 903.565.5972.

Academic Honesty and Academic Misconduct: The UT Tyler community comes together to pledge that "Honor and integrity will not allow me to lie, cheat, or steal, nor to accept the actions of those who do." Therefore, we enforce the [Student Conduct and Discipline policy](#) in the Student Manual Of Operating Procedures (Section 8).

FERPA: UT Tyler follows the Family Educational Rights and Privacy Act (FERPA) as noted in [University Policy 5.2.3](#). The course instructor will follow all requirements in protecting your confidential information.

COVID Guidance: The UT Tyler community of Patriots respects the rights of others to wear a mask if they desire to do so. COVID guidelines may change as the situation warrants, and students should follow the instructions warranted by the situation.

Absence for Official University Events or Activities: This course follows the practices related to approved absences as noted by the Student Manual of Operating Procedures ([Sec. 1 -501](#)).

Absence for Religious Holidays: Students who anticipate being absent from class due to a religious holiday are requested to inform the instructor by the second class meeting of the semester.

Campus Carry: We respect the right and privacy of students who are duly licensed to carry concealed weapons in this class. License holders are expected to behave responsibly and keep a handgun secure and concealed. More information is available at <http://www.utt Tyler.edu/about/campus-carry/index.php>.