Nursing Informatics Quality and Safety
NURS 5383
Fall 2025 (Second Flex Session)

Scheduled Class Days and Times: Online

Instructor's Name: Amy Svensson, DNP, RN (Section P061)
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Office Hours: Virtual Office Hours: Tuesdays 5:30 – 7:30 pm and Sunday 09:00 am – 10:00 am 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 link.

***Best way to contact me- UT email

Course Description: This course explores healthcare quality and patient safety and the role of informatics in improving quality and safety.

Prerequisites: None

Student Learning Outcomes:

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

1. Demonstrate a foundational understanding of the quality improvement process and patient safety.
2. Analyze patient scenarios using quality improvement evaluation.
3. Plan a communication or technology intervention to address an issue in a clinical workflow.
4. Select and analyze population health data from a national database and recommend an action plan for health improvement.
5. Explore the various ways emerging technologies are being used in healthcare to improve patient outcomes

Note: this course will include a minimum of 50 practice hours for students starting the MSN Informatics Quality and Safety program in Fall 2025 or thereafter.

Required Textbooks and Readings:

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

ISBN-10: 1284293432
ISBN-13: 978-1284293432
Used or Rental is acceptable – no requirement to use online resources
This text is also used in NURS 5381, 5383, 5385, 5387, and 5389

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

2. Sherwood, G., & Barnsteiner, J. (Eds.). (2017). *Quality and safety in nursing : A competency approach to improving outcomes*. John Wiley & Sons, Incorporated.

ISBN-13: 9781119151678
ISBN-10: 1119151678
Unlimited access via Robert R. Muntz Library
https://ebookcentral.proquest.com/lib/uttyler/detail.action?docID=4800242

3. American Nurses Association (2022). *Nursing Informatics: Scope and Standards of Practice, 3rd Edition*. Silver Springs, MD: American Nurses Association

ISBN-10: 1953985009
ISBN-13: 978-1953985002
Used is acceptable – no requirement to use online resources
This text is used in NURS 5381, 5383, 5385, 5387, and 5389

Required Materials:

All students starting the MSN Informatics Quality and Safety program in Fall 2025 or thereafter must have access to Exxat clinical placement/record of hours.
https://steps.exxat.com

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.

Assignments and Weights/Percentage/Point Values

Criteria for Evaluation:	**Percentage Weight of Grade**
Discussions	30%
Module Quizzes	30%
Other Assignments	40%
50 practice hours completed successfully and approved through Exxat (*only required for students starting the MSN Informatics Quality and Safety program in Fall 2025 or thereafter*)	Pass/Fail
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.

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.

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 Quizzes: Most modules will have quizzes addressing content covered in the required videos and readings. The module quizzes may be taken as many times as the student wishes (unless specified otherwise). There is no time limit to each attempt; however, there is no save and return function. A minimum of 80 out of 100 possible points is expected for successful completion.

Other assignments: This includes various other assignments that demonstrate a working understanding of the content covered. The instructions and grading criteria rubric in Canvas detail what is expected.

Pass/Fail Course Requirements Information:

Practice Hours (if applicable): If Fall 2025 or thereafter marks your first enrollment in the Master of Science in Nursing – Informatics, Quality, and Safety program, you are required to complete a total of 500 practice hours to graduate. These practice hours are mandated by our accreditation agency, the Commission on Collegiate Nursing Education (CCNE). In this course, you will complete 50 practice hours, which will contribute towards the total requirement. Students enrolled in the program prior to Fall 2025 are exempt from this requirement.

You may not resubmit hours approved for this course in another course. A list of options are available in Canvas for you to choose from to enhance your skills and competencies as a master's-prepared nurse and meet the practice hours requirement!

Important Course Dates:

Classes Begin: October 20, 2025
Census Date (withdraw without penalty): October 24, 2025
Last Date to Withdraw: November 21, 2025
Students, please notify your course faculty and contact your advisor.
Final Exam: N/A

School of Nursing Policies and Additional Information:

https://www.uttyler.edu/nursing/college/student_guide_and_policies.php

Student Resources and University Policies are provided in Canvas.

University Guidelines on the Use of Artificial Intelligence applications by faculty and students
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 encouraged during the course, and appropriate acknowledgment is expected. You are encouraged to explore using artificial intelligence (AI) tools, such as Copilot, for assignments and assessments. Any such use must be appropriately acknowledged and cited, following the guidelines established by the APA Style Guide, including the specific version of the tool used. The submitted work should include the exact prompt you used to generate the content and the AI's complete response as an appendix. Because AI-generate content is not necessarily accurate or appropriate, you must assess the validity and applicability of any submitted AI output. You will not earn full credit if inaccurate, invalid, or inappropriate information is found in your work.
APA Style Citation Information

NURS 5383 Informatics Quality and Safety – 7-week course					
Dates	**Topics**	**Readings**	**Assignments**	**Quiz- All**	**Students admitted to IQS prior to Fall 2025**
Preview Days		UT Tyler syllabus module	The Canvas course is open and ready for viewing. FYI- to view academic calendar, go to School of nursing https://www.uttyler.edu/academics/academic-calendar-25-26/academic-calendar-school-of-nursing.php		
Week 1	Welcome Module 1 Introduction to Quality Improvement	**Sherwood & Barnsteiner, (2017)** Driving Forces for Quality and Safety: Changing Mindsets to Improve Health Care pgs. 25- 49 **ANA Informatics Scope and Standards, (2022)** Pgs. 90-116	**Attestations.** **Video or narrative introduction of yourself**, why you chose informatics and quality.	Quiz-QI	Quiz- GCF L1
Week 2	Module 2 Quality Measures, Methodologies & Outcomes	**Sherwood & Barnsteiner, (2017)** Policy Implications Driving National Quality	**Discussion Board** Topics: Informatics, National quality and safety policy, quality improvement	Ch. 14	Quiz- GCF L2

		and Safety Initiatives pgs.50-76; Evidence-based Practice (pg. 189-214) **McGonigle & Mastrian, (2025)** CH. 14 The Electronic Health Record and Clinical Informatics			
Week 3	Module 3 Patient Safety, Triple Aim	**Sherwood & Barnsteiner, (2017)** Ch. 6 Quality Improvement- pg.161-181 pg. 170- Triple Aim Goals pg. 171 Quality measures and Health information technology pg. 177- Fishbone, PDSA (table 6.2) **McGonigle & Mastrian, (2025)** CH. 15 Informatics Tools to Promote Patient Safety, Quality Outcomes, and Interdisciplinary Collaboration	**Assignment** Fishbone, PDSA	Ch. 15	Quiz- GCF L3

Week 4	Module 4 Workflow / Process Analysis	**Sherwood & Barnsteiner, (2017)** Section 2 Quality and Safety Competencies Ch. 8 Safety (pg. 215-233); Figure. 8.1, pg. 217 **Video** Reason's Swiss Cheese Model https://youtu.be/MfWpMrEOlJ8?si=uvqYA5ZIfN1t97hC Ppg. 221 Making Care Safer; IOM 9 categories of opportunities to improve patient safety **McGonigle & Mastrian, (2025)** CH. 13 Achieving Excellence by Managing Workflow and Initiating Quality Projects Figure 13.2 Swim Lane Workflow process	**Discussion Board** Topics: Reason's Swiss Cheese Model, System's Thinking, Workflow process, IOM 9 categories to improve patient safety.		Quiz- GCF L4
Week 5	Module 5 Change Management	**Sherwood & Barnsteiner, (2017)** CH. 9 Informatics Pgs. 240-261	**Discussion Board** Topics: Patient safety, workflow design, nursing competencies	Ch. 13	Quiz- GCF L5

		pg. 246 Table 9.1 Crosswalk AACN, TIGER, QSEN			
Week 6	Module 6 Population health and informatics	**Sherwood & Barnsteiner, (2017)** Ch. 17- Global Perspective on Quality and Safety Pg. 445 Appendix. B- Quality and Safety Education for Nurses Graduate / Advanced Practice Nursing Competencies (Pt. centered care, Informatics) **McGonigle & Mastrian, (2025)** CH. 16 Patient Engagement and Connected Health CH. 17 Informatics to Promote Community and Public Health CH. 18 Telenursing and Remote Access Telehealth Review Population health public data sets	**Assignment** AIE: A systems approach for Quality Improvement **Discussion Board** on Assignment Topic: Graduate QSEN competencies / Quality Improvement / Informatics / HRO		Quiz- GCF L6

		https://www.cdc.gov/yrbs/index.html https://healthdata.gov/ https://www.cdc.gov/nchs/index.html https://cdo.hhs.gov/s/open-data https://www.dshs.texas.gov/center-health-statistics			
Week 7	Module 7 Caring and Healthcare Technology Trends	**Sherwood & Barnsteiner, (2017)** CH.14 Interprofessional Approaches to Quality and Safety Education pg. 353- 367 Textbox 14.6, pg. 364 Example of Transfer Learning **McGonigle & Mastrian, (2025)** CH. 24 The Art of Caring in Technology Laden Environments		Informatics text Ch. 16,17,18,24 *Please note final submission dates* Survey: Reflections on Learning	