



Fall 2021

Course Number: NURS 5381
 Sections: .060 & .061
 Course Title: Healthcare Informatics for the 21st Century

Course Faculty

Instructor's Name:	Cheryl D. Parker, PhD, MSN, RN-BC, CNE
Office Address:	BRB 2095 3900 University Blvd, Tyler, TX 75799
Telephone:	214-766-1326
Preferred Email:	cparker@uttyler.edu
Office Hours:	NIQS Fridays 2-4 pm DNP Monday 7-8 pm One-on-one hours by appointment

	Adjunct Faculty
Instructor's Name:	Mike Breen Eckhard, MSN, RN-BC, NEA-BC
Office Address:	
Telephone:	
Preferred Email:	meckhard@uttyler.edu

Course Description

Provides introductory principles to understand conceptual and theoretical basis for information management in healthcare informatics. An interdisciplinary approach will be used to examine the clinical aspects, practice considerations, and application of information technology.

Course Credit and Clock Hours: 3 credit hours (3 clock hours per week)

Class Time: Primarily asynchronous. Any scheduled live web meetings will be recorded for those who cannot attend in real-time. The video software registers those students watching the video.

Prerequisites: None

Nursing Organization Mappings

- American Association of Colleges of Nursing (AACN) MSN Essentials III, V, and VII
- Quality and Safety Education for Nurses (QSEN) Competencies: Informatics

Program Student Learning Objectives

At the completion of the MSN-IQS degree program, the graduate will be able to:

1. Integrate scientific knowledge and theories from nursing and related disciplines into advanced nursing practice;
2. Apply organizational and systems leadership principles and methods for the promotion and evaluation of quality, ethical, and safe patient care;
3. Translate, integrate, and disseminate scientific evidence into practice;
4. Utilize technologies to deliver, enhance, integrate, and coordinate communication, education, and patient care;
5. Intervene at the systems level through the policy development process and employ advocacy strategies to influence health care;
6. Manage care through collaboration with other health care professional as a member and leader of health care teams; and
7. Integrate organizational client centered concepts to provide preventive and population-based care.

Course Learning Objectives

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

1. Explain the role of the informatics professional in the healthcare setting. (SLO #1 and 2)
2. Analyze healthcare environments to determine how informatics and technology can support organizational needs and a caring environment. (SLO #2)
3. Utilize select theories that guide the application of informatics in healthcare delivery and education. (SLO #1)
4. Construct policies that incorporate ethical principles as well as regulatory and legal standards in the use of health and information technologies. (SLO #5)
5. Analyze legal and ethical issues within the health care system as it relates the use of information, information technology, and communication networks in various healthcare settings. (SLO #5)
6. Apply concepts of privacy, security, and ethical use of information to a variety of healthcare settings and consumer groups. (SLO #2)
7. Explain the concept of interprofessional practice and its importance in healthcare informatics and technologies. (SLO #2 and #6)
8. Demonstrate competency in word processing software application required for informatics professionals and nursing leaders. (SLO #4)

Required Textbooks

McGonigle, D. & Mastrian, K. G. (2021) *Nursing informatics and the foundation of knowledge 5th edition*. Burlington, MA: Jones & Bartlett Learning

ISBN: 9781284220469

This book is used in all four nursing informatics classes: NURS 5381, 5383, 5385, 5387. Used or Rental is acceptable – no requirement to use online resources.

Hacker, D., & Sommers, N. (2021). A writer's reference (10th ed.). Bedford/St. Martin's/Macmillan Learning with Achieve access so no used, rented or borrowed books

*Note: Both the text and access to Achieve for A Writer's Reference 10e (1-Term Access) are required because there will be required course assignments in the Achieve platform. Note: The Achieve subscription comes with access to the electronic version of the textbook, but that access is lost when the subscription is over. We can purchase one of these formats of the text:

Bound text with Achieve Access (1-Term Access) ISBN: 9781319447595

Loose-leaf text with Achieve Access (1-Term Access) ISBN: 9781319437251 (this is ready for you to put in your own binder)

Optional Textbooks

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

ISBN-13: 978-1433832161

ISBN-10: 143383216X

Special Course Notes

Will be using Microsoft Office Word

Course Schedule

- Census Date: September 10, 2021
- Mid-Term Exam: none
- Last Date to Withdraw: November 2, 2021
- Final Exam Date: none

Course Topics

Based on the 2018 ANCC Test Plan for Certification in Nursing Informatics and the 2017 Healthcare Information and Management Systems Society (HIMSS) Certified Associate in Health Information and Management Systems (CAHIMS) Certification. Assignments may be based on current events in nursing informatics and are subject to change by instructors. See the end of this document for assignment names and date. Go to the Syllabus Page in Canvas for links.

Module	Subject	Topics
	Toolkit Competencies	Word processing software Professional Communication
1	Introduction, Objectives and Essentials/Competencies	Introduction – What are your goals for this class? Knowledge assessment survey
2	Professional Practice	Scope and standards of practice Organizations guiding professional practice Informatics competencies for all nurses Informatics roles and relationships Staff development related to informatics
3	Methodologies, Theories and Ethics	Concepts or theories that support the practice (e.g., Data Information Knowledge Wisdom [DIKW], organizational behavior, communication, systems, learning styles) Applying ethical practices related to data and informatics solutions
4	Rules, Regulations & Requirements	Regulatory, reimbursement, and accreditation requirements (e.g., clinical processes involving revenue cycles, The Joint Commission, Centers for Medicare and Medicaid Services [CMS], HITECH Act), Legal issues (e.g., malpractice, scope of practice, proprietary data misuse) Security, privacy, and confidentiality regulations, laws, and principles
5	Evidence-based Practice & Informatics	Information literacy and evidence-based practice Applying evidence-based practice to informatics solutions (e.g., literature searches, clinical practice guidelines, clinical protocols), Critical thinking and decision-making, Fair use and intellectual property, Clinical decision support/Expert Systems
6	Interprofessional Collaboration & Teamwork	Effective communication strategies and techniques Team building, Conflict management and resolution

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 them 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, clinical time missed is at the discretion of the instructor.

Criteria for Evaluation:	Percentage of Grade
Participation	5%
Discussions	10%
Required Webinars	10%
Application Assignments	25%
Toolkit Learning Assessment Exercises - Word	15%
Toolkit: Professional Communication Learning Exercises	15%
Module Quizzes	20%
Total	100%

Assignments

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](#) (supports 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 you are allowed to [withdraw](#) (drop) from 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 to 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 \(https://hood.accessiblelearning.com/UTTyler/\)](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

Information for Classrooms and Laboratories: Students are required to wear face masks covering their nose and mouth, and follow social distancing guidelines, at all times in public settings (including classrooms and laboratories), as specified by [Procedures for Fall 2020 Return to Normal](#)

Operations. The UT Tyler community of Patriots views adoption of these practices consistent with its Honor Code and a sign of good citizenship and respectful care of fellow classmates, faculty, and staff.

Students who are feeling ill or experiencing symptoms such as sneezing, coughing, or a higher than normal temperature will be excused from class and should stay at home and may join the class remotely. Students who have difficulty adhering to the Covid-19 safety policies for health reasons are also encouraged to join the class remotely. Students needing additional accommodations may contact the Office of Student Accessibility and Resources at University Center 3150, or call (903) 566-7079 or email saroffice@uttyler.edu.











Recording of Class Sessions: Class sessions may be recorded by the instructor for use by students enrolled in this course. Recordings that contain personally identifiable information or other information subject to FERPA shall not be shared with individuals not enrolled in this course unless appropriate consent is obtained from all relevant students. Class recordings are reserved only for the use of students enrolled in the course and only for educational purposes. Course recordings should not be shared outside of the course in any form without express permission.


















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.uttyler.edu/about/campus-carry/index.php>.

Course Summary:

Date	Details	Due
Tue Aug 31, 2021	 Webinar Course Orientation Webinar - Live Tuesday, 8/31/21 at 8 pm CT OR Watch Recording	due by 8pm
Thu Sep 2, 2021	 Webinar NIOS Program Orientation (Optional) - Live Thursday, 9/2/21 at 8 pm CT OR Watch Recording	due by 8pm
	 Class Introductions - by Video	due by 11:59pm
Fri Sep 3, 2021	 NIOS Office Hours	2pm to 4pm
	 Word Processing Skills Pre-Assessment Survey	due by 11:59pm
	 "Getting to Know You" Logistics Questionnaire	due by 11:59pm
	 Achieve Orientation Quiz	due by 11:59pm
	 DB#1 - Professional Practice	due by 11:59pm
	 GCF 1 Word Basics Units 1-4	due by 11:59pm
Sun Sep 5, 2021	 Nursing Student Forms- Graduate	due by 11:59pm
	 Add your picture to your profile please!	due by 11:59pm
	 Dr. Cheryl's Success Tips - Citing an Edited Book	due by 11:59pm
	 Dr. Parker's Tips for Success-How to Properly Cite the Textbook	due by 11:59pm
	 The RISE Model - Giving Peer-to-Peer Feedback, and reflecting on your own work.	due by 11:59pm

Thu Sep 9, 2021	 Webinar Informatics Practice Live 9/9/21 at 8 pm CT OR watch the Video	due by 8pm
Fri Sep 10, 2021	 NIQS Office Hours	2pm to 4pm
	 GCF 2 Word Working with Texts Units 5-11	due by 11:59pm
	 Module 2 Quiz	due by 11:59pm
	 Module 5 Quiz	due by 11:59pm
Sun Sep 12, 2021	 Practice Test for Punctuation, Style, and Mechanics - Hacker	due by 11:59pm
	 Practice Test for Reading Skills - Hacker	due by 11:59pm
	 Practice Test for Reading Strategies - Hacker	due by 11:59pm
	 Practice Test for Sentence Grammar - Hacker	due by 11:59pm
Fri Sep 17, 2021	 NIQS Office Hours	2pm to 4pm
Sun Sep 19, 2021	 GCF 3 Layout and Printing Units 12-17	due by 11:59pm
Fri Sep 24, 2021	 NIQS Office Hours	2pm to 4pm
Sun Sep 26, 2021	 Module 3 Quiz	due by 11:59pm
Mon Sep 27, 2021	 Module 4 - PatientsLikeMe.com Case Study	to do: 11:59pm
Wed Sep 29, 2021	 EV-DB#2 - Patient Data Sharing based on PatientLikeMe case study	due by 11:59pm
Fri Oct 1, 2021	 NIQS Office Hours	2pm to 4pm
Sun Oct 3, 2021	 GCF 4 Working with Objects Units 18-24	due by 11:59pm

Thu Oct 7, 2021	 Webinar Word Processing Tips & Tricks Live Oct 7, 2021 7-8:30 pm OR Watch Video	due by 7pm
Fri Oct 8, 2021	 NIQS Office Hours	2pm to 4pm
Sun Oct 10, 2021	 GCF 5 Collaboration and Reviewing Units 25-27	due by 11:59pm
	 Module 4 Quiz	due by 11:59pm
Fri Oct 15, 2021	 NIQS Office Hours	2pm to 4pm
Fri Oct 22, 2021	 No Office Hours this week - call for appointment if you need me	2pm to 4pm
	 LearningCurve: Active and Passive Voice	due by 11:59pm
	 LearningCurve: Subject-verb agreement	due by 11:59pm
	 LearningCurve: Word choice and appropriate language	due by 11:59pm
Sun Oct 24, 2021	 LearningCurve: Argument: Arguable claims	due by 11:59pm
	 LearningCurve: Argument: Reasoning and logical fallacies	due by 11:59pm
	 LearningCurve: Argument: Topic, purpose, and audience	due by 11:59pm
Fri Oct 29, 2021	 NIQS Office Hours	2pm to 4pm
Sun Oct 31, 2021	 DB#3: COVID 19's Impact on Telehealth and Nursing Informatics	due by 11:59pm
	 Review a Video on COVID-19's impact	due by 11:59pm
Wed Nov 3, 2021	 DB#4 - Using Behavioral Styles & Strengths Understanding in a Team Setting	due by 11:59pm
Fri Nov 5, 2021	 NIQS Office Hours	2pm to 4pm

Sun Nov 7, 2021	 GCF Units 28-30: Doing More with Word	due by 11:59pm
Thu Nov 11, 2021	 Webinar Blending Behavioral Styles and Strengths Nov 11, 2021 7-8:30 pm CT OR Video	due by 7pm
Fri Nov 12, 2021	 NIQS Office Hours	2pm to 4pm
Wed Nov 17, 2021	 DB#5 - How the nursing profession should adapt for a digital future	due by 11:59pm
Fri Nov 19, 2021	 NIQS Office Hours	2pm to 4pm
Sat Nov 20, 2021	 DB#6 - Reflection on Learnings	due by 11:59pm
	 Final Quiz Weeks 7-14	due by 11:59pm
Sun Nov 21, 2021	 App 1-Word Processing Skills - Part 1	due by 11:59pm
	 App 2-Word Processing Skills - Part 2	due by 11:59pm
Fri Nov 26, 2021	 NIQS Office Hours	2pm to 4pm
	 Word Processing Skills Post-Assessment Survey	due by 11:59pm
	 Study Plan for Punctuation, Style, and Mechanics - Hacker	due by 11:59pm
Sun Nov 28, 2021	 Study Plan for Reading Skills - Hacker	due by 11:59pm
	 Study Plan for Reading Strategies - Hacker	due by 11:59pm
	 Study Plan for Sentence Grammar - Hacker	due by 11:59pm
Fri Dec 3, 2021	 NIQS Office Hours	2pm to 4pm

Sun Dec 5, 2021

 Final Test for Punctuation, Style, and Mechanics - Hacker	due by 11:59pm
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 Final Test for Reading Skills - Hacker	due by 11:59pm
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 Final Test for Reading Strategies - Hacker	due by 11:59pm
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 Final Test for Sentence Grammar - Hacker	due by 11:59pm