NURS 3725 - Nursing Informatics

Fall 2026 Syllabus, Section A01, CRN 41844,

Credit hours: 3

Instructor

Laura Calcagni DNP, RN, CNE

Email: lrcalcagni@ysu.edu

Public Instructor Information

Instructor Title: Associate Professor

Instructor Professional Qualifications:
DNP, Nursing Educational Leadership, Case Western Reserve University (2022)
MSN, Nursing Education, Youngstown State University (2013)
BSN, Nursing, Youngstown State University (1999)
Certification, Nurse Educator, National League for Nursing (2013- Present)

Office Location: Cushwa Hall 3106 (in the 3102 office suite)
Office Phone: 330-941-3294

Course Description

3725. Nursing Informatics. This course explores nursing and health care informatics and its application to nursing practice and nursing education. Includes technological strategies to access, evaluate and document information and apply skills to patient care in the nursing profession. Development of computer skills to be successful in the online teaching format are included. Prereq.: admission to online RN-BSN completion program; Valid RN license. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Informatics and Nursing: Opportunities and Challenges (7th ed.)	Kristi Sanborn Miller	9781975220662

Textbook is required (physical or electronic copy). Electronic resources offered with the eBook are optional.

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Tentative Course Schedule

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Miller Ch. 1 (pp. 3-21) Intro to Nursing Informatics Miller Ch. 2 (pp. 22-40) Professional Characteristics Video: Course Introduction Video: Nursing Informatics Overview Video: EMR vs EHR: What's the Difference? Video: What is Netiquette? Video: The Basics of Citing and Referencing in APA 7th ed.	Intro to Nursing Informatics Differences between EMR and EHR Netiquette Introduction to APA 7th edition citation format.	Start by reading the chapters and watching the videos assigned for this week. Next, review the grading rubric for the Module 1 Discussion assignment. Due Wednesday: Introduction Discussion Post with photo upload. Due Sunday: Discussion responses to 2 peers; Course Quiz; Submit Y Card photo to allow time for photo approval email to arrive for submission in Blackboard.

8/31	Miller Ch. 3 (pp. 43-56) Essential Computer Concepts Miller Ch. 4 (pp. 57-87) Computer Networks & Online Communication Miller Ch. 7 (pp. 135-160) Finding Information Video: Securing Your Health: Understanding Cybersecurity in Healthcare Video: Social Media Guidelines for Nurses Video: Anna Dermenchyan and the Importance of Professional Networking in Nursing.	Basic computer and network concepts Online communication and professional networking Social media guidelines for nursing Cybersecurity in healthcare Finding reliable sources for healthcare information	Start by reading the chapters and watching the videos assigned for this week. Next, review the grading rubrics for the Module 2 Discussion and Scholarly Article Submission assignments. The APA Resources folder on the course home page includes information on APA format for citations. Due Wednesday: Discussion Post with citations; Submit Y Card Photo approval confirmation email in Blackboard. If Y Card photo was rejected, resubmit a new picture and upload your photo approval email once received. Due Sunday: Discussion responses to 2 peers; Submit 2 scholarly nursing articles and a brief statement describing the selected topic for your Module 5 paper using these articles.
9/7	Miller Ch. 9 (pp. 176-195) Analyzing Data Miller Ch. 11 (pp. 219-249) Roles & Responsibilities of the Informatics Nurse Video: I-Know Insights: Finding Information in Nursing Video: What is a Wiki? Video: How to Edit a Post in WordPress Quickly and Easily	Roles and responsibilities of the informatics nurse Finding and analyzing data Professional collaboration with technology Basic Wiki concepts.	Start by reading the chapters and watching the videos assigned for this week. Next, review the grading rubrics for the Module 3 Discussion and Wiki assignments. The APA Resources folder on the course home page includes information on APA format for citations. Due Wednesday: Discussion post with citations; Initial Wiki project contributions with citations. Due Sunday: Discussion responses to 2 peers; Wiki final contributions and formatting/editing updates.
9/14	Miller Ch. 5 (pp. 88-111) Mobile Healthcare Technology Miller Ch. 6 (pp. 112-132) Telehealth Miller Appendix C (pp 392-405) Authoring Scholarly Slide Presentations Video: Innovations in Telehealth Video: TeleSpecialists TeleStroke Alert Video: Telehealth Home Monitoring Video: 10 Promising Healthcare Technologies	Utilization of mobile healthcare technology Telehealth services and innovations Telespecialists and services Telehealth home monitoring and technology for health management Authoring scholarly presentations	Start by reading the chapters and watching the videos assigned for this week. Download the free Microsoft Office Suite software to your computer. Contact YSU's IT Service Desk for assistance if needed. The online version of PowerPoint will not save your audio recording. Next, review the grading rubric for the Module 4 PowerPoint assignment. The APA Resources folder on the course home page includes information on APA format for citations. No Wednesday assignment due, but download the full version of Microsoft Office (if not done already) and ensure you can save a PowerPoint slide recording. Due Sunday: PowerPoint with Audio Narration recording and source citations.

9/21	Miller Ch. 14 (pp. 291-312) Information Literacy: A Road to Improved Patient Outcomes Miller Appendix D (pp. 406-425) Authoring Scholarly Word Documents Video: Health Literacy: An Overview Video: 5 Things to Know About Health Literacy Video: Teach-Back MedAnimation series (5 parts)	Information and health literacy concepts Health literacy and patient education Patient education strategies for improved health maintenance Use of teach-back to assess patient comprehension of education provided Authoring scholarly student papers with use of APA format.	Start by reading the chapters and watching the videos assigned for this week. Next, review the grading rubric for the Module 5 EBP Research Paper assignment. The APA Resources folder on the course home page includes information on APA format for citations and paper guidelines. No Wednesday assignment due, but aim to complete a rough draft of your paper by mid-week so there is time to work on edits and APA formatting. Due Sunday: EBP Paper Submission in APA 7th edition format.
9/28	Miller Ch. 15 (313-330) Protecting Patient Privacy & Confidentiality Miller Ch. 16 (331-360) Applying Nursing Informatics to Patient Safety American Nurses Association (ANA) Code of Ethics (posted link) Video: 6 Most Common HIPAA Violations Video: The Challenge of Ethics & AI in Healthcare Video: High-Tech Hospital Uses AI in Patient Care	Legal and ethical issues in nursing informatics Patient privacy and confidentiality with informatics and technology HIPAA concepts and common violations Nursing informatics and patient safety Ethics and innovation with AI use in healthcare	Start by reading the chapters and watching the videos assigned for this week. Next, review the grading rubric for the Module 6 Video assignment. The APA Resources folder on the course home page includes information on APA format for citations. No Wednesday assignment due but work on planning for your video presentation. Due Sunday: Video Presentation and reference list (APA format)
10/5	Miller Ch. 12 (pp. 250-268) Interoperability at the National & Internationals Levels Miller Ch. 13 (pp. 269-288) Electronic Health Records & Standardized Nursing Terminology 2025 Future Ready Healthcare Survey Report (posted link) Video: How to Achieve True Interoperability in Healthcare Systems Video: How Interoperability & Data Sharing Can Improve Patient Safety	Standardized terminology with electronic health records Interoperability at the National and International levels Interoperability and data sharing for improved patient safety Future of informatics technology, AI, and healthcare delivery	Start by reading the chapters and watching the videos assigned for this week. Next, review the grading rubrics for the Module 7 Discussion assignment. The APA Resources folder on the course home page includes information on APA format for citations. Due Due Wednesday: Discussion post with citations. Due Saturday: Discussion responses to 2 peers; Ch. 12 & 13 Quiz; Course Evaluation Survey

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.