

HHS 6935 - Clinical Informatics

Fall 2026 Syllabus, Section 01, CRN 41200,

Credit hours: 3

Instructor

Kimberly Watson

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Public Instructor Information

Instructor Title: Kimberly Watson

Instructor Professional Qualifications: RN, BSN, MHHS Youngstown State University

Instructor Office Location: N/A

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Course Description

6935. Clinical Informatics. This course will provide Health and Human Services student with a comprehensive framework of Clinical informatics knowledge. It addresses how clinical informatics assists health care organizations, how information is used in clinical operations, and how information technologists interact with clinical stakeholders in provider, payer, and other healthcare organizations. Health care delivery applications include electronic health records, clinical information systems, Tele-health, patient safety, patient and community education, and care management. Students will analyze the informatics function and organizational relationships in their organizations. Prereq.: Current enrollment in the MHHS or MSN program, or with permission of the instructor; Senior nursing students may take with permission from the Nursing department and the Graduate College. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Nursing Informatics, Fifth Edition	Dee McGonigle, Kathleen Garver Mastrian	128422046X.

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

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24		Powerpoint and video intro	Class Introductions
8/31	Chapter 1	None Introductions Careers in Clinical Informatics	Assignment #1 Clinical Informatics Jobs
9/7	Chapter 2	Making Sure your Information is Correct.	Quiz 1
9/14	Chapter 3	Science and Foundation of Knowledge Model	
9/21	Chapter 4	Intro to Cognitive Science	Quiz 2
9/28	Chapter 5	Ethical Implications of Clinical Informatics	Quiz 3
10/5	Chapters 6-11	Role of NI in Decision Support	Quiz 4
10/12	Chapters 12-16	Clinical Informatics Administrative Applications	Midterm
10/19	Chapters 17-19	Implementation of the HITECH ACT	Quiz 5
10/26	Chapters 20-22	Tele-health	Quiz 6
11/2	Chapters 26-27	Clinical Informatics Research	Assignment #2 Nursing Research
11/9		Decision Support Systems	Assignment #3

11/16	Information & Knowledge needs of Clinicians in 21st Century	National Health Information Network and How they will work the future.	Assignment #4
11/23			PORTFOLIO ASSIGNMENT
11/30	Legislative aspects of Clinical Informatics, PPAFA, HIPAA, and HITECH	The future of Tele-Medicine and Tele-Health	
12/7		Tele-nursing and remote access Tele-health An Insider's View of the Utility of Clinical Information System	Final Exam

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.