

HS 150 - Introduction to Healthcare Informatics

Important Note: This syllabus, along with course assignments and due dates, are subject to change. It is the student's responsibility to check Canvas for corrections or updates to the syllabus. Any changes will be clearly noted in a course announcement or through email.

Course Information

Instructor Information

Instructor: Aysha Hussain

Virtual Office Hours: Please contact instructor via Canvas messaging or e-mail to make arrangements.

E-mail: ahussain@uwsp.edu

Please contact me via Canvas messaging or e-mail and I will attempt to respond within 48 hours. If you have not received a reply from me within 48 hours, please resend your email.

Course Description

Course Description: Explore the rapidly evolving interdisciplinary field of healthcare informatics and the vital role information systems play in 21st century healthcare. These systems include clinical practice, research, education, and administration. Topics include history, ethics, structure and its function toward improving healthcare quality and delivery.

Textbook & Course Materials

Required Text: No text required. Learning resources (articles, white papers, podcasts, websites and videos) will be available in Canvas. Flash Adobe player is required for one of the activities.

Course Learning Objectives

The primary learning objective for this course is to gain a basic understanding of the evolving field of health informatics. Upon completion of the course, students will be able to:

- Define "healthcare informatics."
- Identify and discuss some key areas of healthcare informatics.
- Discuss the importance of healthcare informatics and its impact on the delivery of healthcare and information.
- Appreciate advancements in the field thus far as well as future possibilities.
- Gain insight to professional roles and their need in the field of health informatics.

Course Outline

1. Overview of Healthcare Informatics
2. Data – Exchange and Interoperability
3. Clinical Applications
4. HIPAA Basics
5. Telehealth / Telemedicine
6. Patient Portal and Health Apps
7. Population Health
8. Future of Healthcare Informatics and its Workforce

Course Activities

Discussions: Some of the modules in this course require at least an initial discussion post and some might require responses to classmates. Discussion posts should be reflective and demonstrate that student has completed the required readings or learning activities and understands the content of the materials provided.

Written Assignments: The written assignments reinforce key points in the lessons and encourage critical thinking of the topics that are introduced. These are "open book" assignments that can be completed using the provided resources or other legitimate resources.

Activity: Students will be asked to play an interactive game online and submit a screenshot of their final score. This activity will gauge student's understanding of the lesson and help them relate it to day-to-day occurrences in a healthcare setting.

Grading Policies

Late Work Policy

Be sure to pay close attention to deadlines—there will be no make-up assignments or late work accepted without a serious and compelling reason and instructor approval. If approved, late work may be accepted for reduced points.

Grading

Course grade will be based on the following deliverables:

Deliverables	Percent of Final Grade
Discussions (6)	60%
Written Assignments (2)	30%
Activity (1)	10%
Total	100%

Grading Scale

Letter Grade	Percentage
A	93-100%
A-	90-92%
B+	87-89%
B	83-86%
B-	80-82%
C+	77-79%
C	73-76%
C-	70-72%
D+	67-69%
D	60-66%
F	0-59%

“A” reflects exceptional work (going beyond the basics, integrating material well, displaying professionalism in individual and group work, application and demonstration of knowledge and skills, showing initiative, using creativity, writing is reflective of multiple drafts).

“B” reflects good work (valuable teamwork skills, active in class, ability to grasp basic concepts and apply to new situations, some participation in class, completes all assignments with a degree of proficiency but may not demonstrate initiative, creativity or reflection consistently, writing contains errors or lacks conciseness and completeness).

“C” reflects average work (assignments are completed at the minimum, basic concepts are grasped but cannot be applied, some difficulty in group work, spelling and grammar mistakes are common, writing is conversational in tone with little attention paid to detail, word choices, organization (rough draft quality), little participation in class).

Course Policies

Legitimate emergencies do occur and may prevent the completion of course work by the designated time. Please inform me as soon as possible when emergency situations occur and indicate your plans for completing the work. Extension of the completion time will be considered on an individual basis.

Students with special needs

Students with special needs should contact the instructor as early in the semester as possible to make any necessary class/test accommodations.