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](mailto: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 “health informatics.”
* Identify and discuss some key areas of health informatics.
* Discuss the importance of health informatics and its impact on the delivery of health care 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 Health 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 Health 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.

**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) | 40% |
|  |  |
| 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.