Program	BS Media & Development Communication	Course Code	MDC 483	Credit Hours	3
Course Title	**HEALTH INFORMATICS (Major)**				

Course Introduction

This course provides an introduction to the field of health informatics, focusing on the use of information technology to improve healthcare delivery. Students will learn about the principles, tools, and applications of health informatics in various healthcare settings.

Learning Outcomes

By the end of this course, students will be able to:

1 Understand the principles and applications of health informatics.

2 Develop skills in using information technology to improve healthcare delivery.

3 Analyze the impact of health informatics on healthcare outcomes and efficiency.

Course Content		Assignments/Readings
Week 1-3	1 What is Health Informatics? 2 Social and Technical Context of Health Informatics 3 Problems and Challenges in the Digital Age	
Week 4-5	4 Leading Change in Health Informatics 5 The Outcomes and Interventions of Health Informatics	
Week 6-8	6 The Data Science of Health Informatics 7 Convergence of Healthcare & Information Technology 8 Effective Communication in Health Information Management	
Week 9-10	9 Healthcare Industry & Policy 10 Health Information Privacy and Security	
Week 11	11 Research and Development in Health Informatics 12 Education and Training in Health Informatics	
Week 13	13 Case Studies for Health Informatics Education and Training	
Week 14	14 Review of Key Concepts and Preparation for Report Writing 15 Report Writing on Health Informatics	
Week 16	16 Final Presentations and Course Review	

Textbooks and Reading Material

1 Viviane, C., Jean-Phillipe de, O. (Eds). (2019). Food and Health: Actor Strategies in Information and Communication. Wiley.

2 Brodnik, M. S., Rinehart-Thompson, L. A., & Reynolds, R. B. (Eds.). (2017). Fundamentals of law for health informatics and information management. AHIMA Press.

3 Venot, A., Burgun, A., & Quantin, C. (2016). Medical informatics, e-Health. Springer Editions.

4 Asokan, G. V., & Asokan, V. (2015). Leveraging "big data" to enhance the effectiveness of "one health" in an era of health informatics. Journal of epidemiology and global health, 5(4), 311-314

5 Fenton, S. H., & Biedermann, S. (2014). Introduction to healthcare informatics (p. 453). AHiMA, American Health Information Management Association.

6 Jenicek, M. (2014). Writing, Reading, and Understanding in Modern Health Sciences: Medical Articles and Other Forms of Communication. Taylor and Francis, CRC Press.

7 Lorenzi, N. M., & Riley, R. T. (2013). Organizational aspects of health informatics: managing

technological change. Springer Science & Business Media.
8 LeRouge, C., Tolentino, H., Fuller, S., & Tuma, A. (2013). Doing and understanding: Use of case studies for health informatics education and training. In Cases on Healthcare Information Technology for Patient Care Management (pp. 1-34). IGI Global.
9 Parker, J. C., Thorson, E. (2009). Health Communication in the new Media Landscape. Springer Pub.
10 Hasman, A. (Ed.). (1995). Education and Training in Health Informatics in Europe: State of the Art, Guidelines, Applications.

Teaching Learning Strategies

1. Class Discussion
2. Projects / Assignments
3. Group Presentations
4. Students led presentations
5. Thought Provoking Questions
6. Field Visits and Guest Speakers

Assignments: Types and Number with Calendar

Assignments may include special reports, projects, class presentations, field work. The nature of assignment will be decided by the teacher as per the requirements of the course.

Assessment

Sr. No.	Elements	Weightage	Details
1.	Midterm Assessment	35%	Written Assessment at the mid-point of the semester.
2.	Formative Assessment	25%	Continuous assessment includes: Classroom participation, assignments, presentations, viva voce, attitude and behavior, hands-on-activities, short tests, projects, practical, reflections, readings, quizzes etc.
3.	Final Assessment	40%	Written Examination at the end of the semester. It is mostly in the form of a test, but owing to the nature of the course the teacher may assess their students based on term paper, research proposal development, field work and report writing etc.