Course Specification
— (Postgraduate)

Course Title:	Health informatics
Course Code:	27212 NURS
Program:	M.Sc. of Management of Health Services
Department:	Business Administration
College:	Business College
Institution:	Bisha University
Version:	2
Last Revision Date:	07/02/1445

Table of Contents

A. General information about the course:

1. Course identification:

1. Credit hours:
3 credit hours

2. Course type

A.	☐University	☐College	☐Department	☒ Track	
B.	☒ Required			☐ Elective	

3. Level/year at which this course is offered: (3Th level/ 2nd Year)

4. Course general Description:

A comprehensive advanced course covers the concepts and techniques of health informatics. Starting from health data and acquisition to management of the entire information system in the medical setting.

5. Pre-requirements for this course (if any):

None

6. Co-requirements for this course (if any):

None

7. Course Main Objective(s):

To enable the learners to develop the appropriate knowledge and skills in the field of health informatics, for better health information management, communication and decision making

2. Teaching Mode: (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	24	53.3%
2	E-learning	21	46.7%
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		100%

3. Contact Hours: (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	37.5
2.	Laboratory/Studio	
3.	Field	
4.	Tutorial	
5.	Others (Case studies, group discussion, TBL, PBL)	75
	Total	112.5

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Understand the concepts and pragmatics of health informatics	K1		
1.2	Describe the impact of technology on management of healthcare settings	K2		
2.0	Skills			
2.1	Create consensus standards using the appropriate scientific knowledge	S2		
2.2	Evaluate the health information resources at hand	S3		
2.3	Foresee the impediments to the use of health information system	S4		
3.0	Values:			
3.1	Demonstrate an inclination towards lifelong learning	V1		
3.2	Exhibit sense of commitment towards ethics in health informatics	V2		

* Program Learning Outcomes

C. Course Content:

No	List of Topics	Contact Hours
1	Health informatics: Concepts and pragmatics	4.5
2	Health care data: Acquisition, Storage, Uses	4.5
3	Health care information systems	4.5
4	Computer architecture for health informatics	4.5
5	Standards in health informatics	4.5
6	Ethics in health informatics	4.5
7.	Electronic health record systems	4.5
8.	Evaluation of health information resources	4.5

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9.	Public health informatics	4.5
10.	Management of information in health care settings	4.5
Total		**45**

D. Students Assessment Activities:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1	Case study	3rd	5%
2	Midterm exam	7/9	20%
3	Assignments	4th and 8th	15%
4	Seminars	All through	10%
5	Team Based Learning activities	7th	10
6	Final exam	End of semester	40%
	Total		100%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities:

1. References and Learning Resources:

Essential References	Edward H. Shortliffe, James J. Cimino. Biomedical Informatics 5th Edition, Springer, 2021
Essential Reference Materials	Karen A. Wager. Health care information systems: A practical approach for health care management. 4th edition, Wiley. 2017

2. Educational and Research Facilities and Equipment Required:

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Well-equipped middle-sized classroom, 1. Small group discussion room Library supplied with reference text books and electronic resources 2. Computer lab
Technology equipment (Projector, smart board, software)	Data show, Smart Board,
Other equipment (Depending on the nature of the specialty)	None

F. Assessment of Course Quality:

Assessment Areas/Issues	Faculty	Direct.
Effectiveness of teaching	Students, Faculty, Program Leaders, Peer Reviewer	Direct / Indirect
Effectiveness of students assessment	Students- faculties- department head	analyzing performance and results
Quality of learning resources	Students, Faculty, Peer Reviewer	Indirect
The extent to which CLOs have been achieved	Students, Faculty, Program Leaders	Direct / Indirect
Other		

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data:

COUNCIL /COMMITTEE	Department of Business Administration
REFERENCE NO.	**2**
DATE	**07/02/1945**