



Course Specification

— (Bachelor)

Course Title: **Computer Application for Health Sciences**

Course Code: **PHE26222**

Program: **Bachelor of Sciences in Public Health**

Department: **Public Health**

College: **Applied Medical Sciences**

Institution: **University of Bisha**

Version: **1**

Last Revision Date: **2-8-2023**





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A. General information about the course:

1. Course Identification

1. Credit hours:					
2 (1+1)					
2. Course type					
A.	<input type="checkbox"/> University	<input type="checkbox"/> College	<input checked="" type="checkbox"/> Department	<input type="checkbox"/> Track	<input type="checkbox"/> Others
B.	<input checked="" type="checkbox"/> Required		<input type="checkbox"/> Elective		
3. Level/year at which this course is offered: 3 rd level 2 nd year					
4. Course general Description:					
Focuses on the use of computer applications and multimedia in the health care industry.					
5. Pre-requirements for this course (if any):					
NA					
6. Co-requirements for this course (if any):					
NA					
7. Course Main Objective(s):					
<ol style="list-style-type: none"> 1. Present current trends in information and communication technology applicable in health sciences. 2. Equip students with skills on the use of computer technologies applicable in health sciences. 					

2. Teaching mode

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	13	28.9%
2	E-learning	2	4.4%
3	Tutorial		
4	Interactive learning		
5	Practical	30	66.7%

3. Contact Hours

No	Activity	Contact Hours
1.	Lectures	13
2.	E-learning	2
3.	Practical	30
4.	Interactive learning	





5.	Seminars	
6.	Self-Learning	30
Total		75

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	Explain the essential concepts of information and communication technology in health sciences.	K2	Lectures e-learning	Quiz, written exam
2.0	Skills			
2.1	Utilize computer applications and related software for communicating health information.	S3	Practical	Practical exam In lab evaluation
2.2	Use computer programs commonly used in the healthcare.	S3		
3.0	Values, autonomy, and responsibility			
3.1	Observe professional, moral and ethical standards and the provision of collaborative and multifocal health services.	V2	Practical, interactive learning	In class, In lab evaluation

C. Course Content

No	List of Topics (Theory)	Contact Hours
1.	Introduction to Computers	1
2.	Microsoft Office Applications	6
3.	Internet/World Wide Web	4
4.	Health informatics	4
5.	Social Media and Health Care	5
6.	Telehealth, Tele-medicine and Mobile applications	4
7.	Computer technologies in various health settings	6
Total		15



No	List of Topics (practical)	Contact Hours
1.	Introduction to Computers	2
2.	Microsoft Office Applications	12
3.	Internet/World Wide Web	8
4.	Health informatics	8
5.	Social Media and Health Care	10
6.	Telehealth, Tele-medicine and Mobile applications	8
7.	Computer technologies in various health settings	12
Total		30

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quiz 1	4	5%
2.	Mid Term Exam	8	20%
3.	Class Participation	Although	5%
4.	E learning activities	Although	15%
5.	Quiz 2	12	5%
6.	Practical Exam	15	20%
7.	Final Exam (Theory)	16	30%
Total			100%

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References

Greg Spence (Author). **A Simple Guide to Internet Research**. Prentice Hall. 2001. ISBN-10: 0130608653

Using Microsoft Office by ed Bott & Woody

A simple guide to Internet Research by Greg Spence

Ramona Nelson, Irene Joss, Debra Wolf, **Social Media for Nurses: Educating Practitioners and Patients in a Networked world**, 1st edition. ISBN: 978 - 0826195883.

Johns. Health Information Management Technology, An Applied Approach. AHIMA. 3rd Edition. ISBN: 978 - 1- 58426-259-6.



Supportive References	Irene Joos (Author), Ramona Nelson, Marjorie J. Smith. Introduction to Computers for Health Care Professionals . Sixth edition, ISBN- 13: 978-1284030266. Ed Bott (Author), Woody Leonhard (Author). Special Edition Using Microsoft Office . Que Press, 2007. ISBN 0789735172
Electronic Materials	Chortle.ccsu.edu/java5/cs151java.html Google, Altavista, Medline.
Other Learning Materials	Digital library, at university of Bisha

2. Required Facilities and equipment

Items	Resources
facilities	Middle size classroom well-equipped E- laboratory
Technology equipment	Multimedia projector Smart board
Other equipment	

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students, Faculty, Quality committee	Direct / indirect - Using well-structured questionnaire
Effectiveness of student's assessment	Faculty members Peer Reviewer	Direct / indirect - Continuous reviewing and course portfolio
Quality of learning resources	Faculty members Curriculum committee	Direct / indirect - Annual review course report
The extent to which CLOs have been achieved	Course coordinator	Direct / indirect

G. Specification Approval

COUNCIL /COMMITTEE	PH DEPARTMENT BOARD
REFERENCE NO.	
DATE	

