



Course Specification

— (Bachelor)

Course Title **Infection control**

Course Code: **NUR26436**

Program: **Bachelor of Midwifery Sciences**

Department: **Nursing**

College: **College of Applied Medical Science**

Institution: **University of Bisha**

Version: **1**

Last Revision Date: **30 July 2023**



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A. General information about the course:

1. Course Identification

1. Credit hours: 3(2+1)					
2. Course type					
A.	☐ University	☐ College	☐ Department	☐ Track	☐ Others
B.	☒ Required			☐ Elective	
3. Level/year at which this course is offered: (7th level / 4th year)					
4. Course general Description:					
This course will provide students with up-to-date knowledge that will allow them to think critically, and creatively. The nursing process will be used as a theoretical framework for this course. The course will focus on different concept of infection control, chain of infection, mode of transmission, standards precautions, survey, and methods of sterilization and disinfected. Also use medical asepsis and surgical asepsis, and understanding immunity system					
5. Pre-requirements for this course (if any):					
NA					
6. Pre-requirements for this course (if any):					
NA					
7. Course Main Objective(s):					
• Prepare the Students to apply evidence based nursing practice principles, To provide the nursing students with the basic principles and practices of infection prevention and control in various healthcare settings with relevance to common health problems. Infection and immunity • Surveying methods • Sterilization and disinfection • Hand washing, importance and proper technique • Infection control & infection control committee • Role of nurse in infection control • How to deal with infectious diseases. Medical and surgical aseptic techniques					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	24	40%
2	E-learning	6	10%
3	Hybrid		-

No	Mode of Instruction	Contact Hours	Percentage
	• E-learning		
4	Others(practical)	30	50%
5	Total	60	100

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Study lectures	24
2.	Laboratory/Studio	30
3.	Tutorial	-
4.	E-learning	6
5.	Others; self-learning	52.2
Total		122.5

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	Identify chain of infection, preventive measures of hospital-acquired infection as standard and transmission-based precautions using modern advanced knowledge acquired from original research.	K1	Interactive lectures	Written exam
1.2	Recognize the role of the immune system, asepsis and surveillance and its process in infection prevention and control in healthcare settings.	K1	Interactive lectures	Written exam
1.3	Determine way of dealing with different infectious diseases in healthcare settings and	K3	Interactive lectures	Written exam



Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	community.			
2.0	Skills			
2.1	Decide on the application of different infection prevention and control measures according to different clinical situations for both healthcare professionals and patients using critical thinking and decision-making skills by present appropriate documentation.	S1	Lab training Clinical round	Practical exams
2.2	Communicate effectively and professionally verbal and nonverbaltherapeutic communication through using digital advanced information tools and applications with the health team members,patients and community members.	S4	Lab training Clinical round	Case Scenario Nursing Care Plan
2.3	Implement obstetric medicines and instruments in terms of its use,contraindications, and precautions with clear effective instruction and communications	S3	Lab training Clinical round	Practical exams
3.0	Values, autonomy, and responsibility			
3.1	Acquire skills of self-learning for continuous professional development and through adopting multidisciplinary approach in activities of infection prevention and control within the community.	V1	Lectures Lab training Clinical setting	Presentatio n Assignment



Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
3.2	Commitment to high level of ethical, professional and academic practices by exhibiting positive attitude and with respect of legal and ethical rules and values with colleagues and patients.	V2	Team based learning	Presentation Assignment

C. Course Content

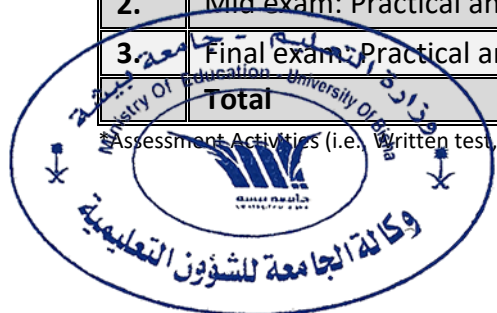
No	List of Topics	Contact Hours
1.	- Conceptualize infection and immunity: - Concept of infection and immunity - Chain of infection - Mode of transmission	2
2.	- Infection control measures - Standards precaution & transmission – based percussion	2
3.	- Medical asepsis and surgical asepsis - Application of infection control measures	2
4.	- Prevention of nosocomial infection	2
5.	- Immunity system	2
6.	Surveying : - Concept and component of surveying in cases of infection - Different models and methods used correctly	2
7.	Surveying : - How to collect and save the information and data	2
8.	- Sterilization and disinfection : - Definition - Type and methods of disinfection	2
9.	- Concept of sterilization - Type & methods of sterilization	2
10.	- Application of disinfection and sterilization in hospital setting (e.g. inpatient, outpatient, department of hypnosis and isolation).	2
11.	- Application of disinfection and sterilization in hospital setting (e.g. OR theater, surgical instrument, endoscopy room).	2
12.	Hand washing: - Importance hand washing - Methods of hand washing (sanitizer & disinfection)	2
13.	Infection Control:	2

	- Concept of infection control (IC) - Infection control committee - Membership of Infection control committee	
14.	- Role of nurse in the infection control unit - Ways of dealing with cases of infectious disease(ADIS, Hepatitis and so on)	2
15.	- Methods of infection prevention in communities - Costs of application the infection control	2
Total		30
No	List of Practical Topics	Contact Hours
1.	Standard precaution: ▪ Using standard precautions. ▪ Hand washing. Applying and removing personal protective equipment.	4
2.	Standard precaution: ▪ Applying sterile gloves (open method). ▪ Applying sterile gown and gloves (closed method). Preparing and maintaining a sterile field.	4
3.	Transmission- based precaution: ▪ Air borne precaution. ▪ Droplet precaution. Contact precaution.	4
4.	Waste management + Isolation room precaution. Transmission for isolated patient.	4
5.	Respiratory etiquette.	2
6.	Surgical hand rubs technique.	2
7.	Management of blood and body fluid.+ Safe injection practice.	4
8.	Immunization for health care worker.	2
9.	Sterilization of supplies and equipment.	2
10.	Health teaching about infection control.	2
		30

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Continuous assessment	All through	30%
2.	Mid exam: Practical and theory	8 th	20%
3.	Final exam: Practical and theory	16 th	50%
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	Myles Text Book For MidWifes : ayne E. Marshall, Maureen D. Raynor. 17th Edition - May 12, 2020
Supportive References	Macdonald, Sue, and Gail Johnson, eds. <i>Mayes' Midwifery E-Book: Mayes' Midwifery E-Book</i> . Elsevier Health Sciences, 2017
Electronic Materials	Blackboard learning management system and DIGITAL Library
Other Learning Materials	Skill lab, PHC Centers, Clinics and hospitals

2. Required Facilities and equipment

Essential References	Weston, D. (2013) Fundamentals of Infection Prevention and Control: Theory and Practice. 2nd Edition. Wiley Blackwell. Oxford.
Supportive References	- Weston, D. (2013) Fundamentals of Infection Prevention and Control: Theory and Practice. 2nd Edition. Wiley Blackwell. Oxford. - National infection control guidelines 2016. Draft for consultation. Available at: https://www.moh.gov.sg/home/files.res. - Lee, G & Bishop, P 2015 <i>Microbiology and Infection Control for Health Professionals</i>, 6th edn, Pearson Prentice Hall, - Weston, D. (2013) Fundamentals of Infection Prevention and Control: Theory and Practice. 2nd Edition. Wiley Blackwell. Oxford. - Meehan Arias, K. (2010) Outbreak Investigation and Control in Healthcare. 2nd Edition. Jones and Bartlett: London.
Electronic Materials	Blackboard materials
Other Learning Materials	- E- books electronic - Online US Library

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students Course coordinator Program Leaders	Direct /indirect
Effectiveness of Students assessment	Students Course coordinator Program Leaders	Direct /indirect



Assessment Areas/Issues	Assessor	Assessment Methods
	Examination committee revision	
Quality of learning resources	Course coordinator Peer reviewer Examination committee revision	Direct /indirect
The extent to which CLOs have been achieved	Program Leader Course coordinator	Direct /indirect
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	
REFERENCE NO.	
DATE	

