هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

2023
TP-153

Course Specification
(Bachelor)

Course Title:	infection control
Course Code:	NUR 26337
Program:	Bachelor Sciences of Nursing
Department:	Nursing
College:	Applied Medical Sciences
Institution:	University of Bisha
Version:	6
Last Revision Date:	20-8- 2023

وزارة التعليم - جامعة بيشة
Ministry Of Education - University Of Bisha
وكالة الجامعة للشؤون التعليمية

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (2+1)					
2. Course type					
A.	☐ University	☐ College	☒ Department	☐ Track	☐ Others
B.	☒ Required		☐ Elective		
3. Level/year at which this course is offered: (level 6 3rd year .)					
4. Course general Description:					
This course will provide students with up-to-date knowledge and hands on skills on different concept of infection prevention and control, chain of infection, standards and transmission precautions, surveillance, and methods of sterilization and disinfection. Also, application of medical and surgical asepsis, and role of immunity system. In addition to, ways of dealing with different infectious diseases using clinical practice guidelines in community healthcare settings.					
5. Pre-requirements for this course (if any)**:**					
NA					
6. Pre-requirements for this course (if any)**:**					
NA					
7. Course Main Objective(s):					
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.					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	25	50
2	E-learning	5	
3	Hybrid • Traditional classroom • E-learning		
4	Lab Training	30	50

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	25
2.	**Laboratory/Studio**	25
3.	**Field**	20
4.	**E learning**	5
5.	**Self-directed learning**	75
Total		150

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, the role of the immune system, asepsis, surveillance and its process in infection prevention and control in healthcare settings.	**K1**	Interactive lectures Group discussion Brainstorming Problem-based learning	Midterm and final written exams (MCQs- Short notes) Oral exam Electronic quizzes
1.2	Demonstrate critical thinking skills in making informed decisions related to the prevention and control measures of infectious health problems.	**K1**	Interactive lectures Pairs or Small Group Work Group discussion Brainstorming Problem-based learning	Midterm and final written exams (MCQs- Short notes) Oral exam Electronic quizzes
1.3	Determine ways of dealing with different infectious diseases in community following standard infection practice guidelines.	**K1**	Interactive lectures Pairs or Small Group Work Group discussion Brainstorming Problem-based learning	Midterm and final written exams (MCQs- Short notes) Oral exam Electronic quizzes
2.0	**Skills**			

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
2.1	Employ 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 following standard infection control protocols, guidelines and documents.	**S2**	Laboratory training Demonstration Case studies Debriefing Role play	Written exams OSCE &)SPE, OSVE exams Oral exam
2.2	Demonstrate the infection prevention and control measures in implementing different procedures based on the best available evidence to patient, and families across a life span.	**S2**	Laboratory training Demonstration Debriefing	Midterm and final written exams OSCE & OSPE & OSVE exams Oral exam
2.3	Communicate effectively using therapeutic verbal and non-verbal communication with showing respect to the health care providers, patients and community members while assuming responsibility and accountability for own decisions and actions.	**S4**	Lab training Case studies Debriefing Group discussion	Midterm and final OSCE & OSPE & OSVE exams Oral exam
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**	Team-based learning Peer teaching	Assignment Field work

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 Peer teaching	Assignment Field work
...				

C. Course Content

No	List of Topics	Contact Hours
1.	Concept of infection: - Chain of infection. - Mode of transmission.	**3**
2.	Infection control measures - Standards precaution - Transmission – based percussion.	**3**
3.	- Medical asepsis - Surgical asepsis. - Application of infection control measures. - Hand Washing (Medical and Surgical)	**3**
4.	- Prevention of Hospital Acquired (Nosocomial) infection.	**3**
5.	- Immune system. - Types of immunity.	**3**
6.	Surveillance of Infection control - Concept and component of surveillance in cases of infection. - Steps for conducting surveillance in a health care facility	**3**
7.	Sterilization and disinfection : - Concept of sterilization and disinfection. - Types and methods of sterilization and disinfection.	**3**

8.	Application of disinfection and sterilization in hospital setting (e.g. Outpatient department and isolation). (e.g. OR theater, surgical instrument, endoscopy room).	**3**
9.	Role of Nurse in Infection Control Unit - Concept of infection control (IC). - Infection control committee. - Membership of infection control committee. - Role of nurse in the infection control unit. - Ways of dealing with cases of infectious disease (e.g. Hepatitis, COVID-19).	**3**
10.	Methods of infection prevention in communities. - Costs of application the infection control practices.	**3**
Total		**30**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Continuous assessment	**All Through**	**30**
1.1	E-Quiz	3th	**10**
1.2	Individual E-Assignment	9th	**05%**
1.3	Continuous Practical Evaluation	**All through**	**10%**
1.4	Oral exam	13th	**05%**
2.	Midterm exams (Theoretical and Practical)	7th	**20%**
3.	Final exams (Theoretical and Practical)	16th	**50%**
4.	Total		**100%**

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	1. Jan Gralton, Iain Crawford, Dr Kate Clezy Evette Buono et al., Infection Prevention and Control practice handbook,2020

	2. Bisset,L & Griffith,C.J, (2020). The Infection Prevention & Control Handbook Ltd. 3. Infection Prevention and Control Guide for Health Care Professionals, 2019. 4. Candace Friedman, Marge McFarlane, HCPro, Inc. infection Prevention Policy and Procedure Manual for Hospitals. The Joint Commission,. 5. Camden and Islington, NHS Foundation Trust, Infection Prevention and Control Policies and Procedures, January 2018. Bearman, G., Morgan, D. J., Murthy, R. K., Hota, S., & Bearman. (2018). Infection prevention: New perspectives and controversies. Springer.
Supportive References	6. Weston, D. (2013). Fundamentals of Infection Prevention and Control: Theory and Practice. 2nd Edition. Wiley Blackwell. Oxford. 7. National infection control guidelines 2016. Draft for consultation.Available at: https://www.moh.gov.sg>home>files.res. 8. Lee, G & Bishop, P (2015) Microbiology and Infection Control for Health Professionals, 6th ed., Pearson Prentice Hall, 9. Weston, D. (2013) Fundamentals of Infection Prevention and Control: Theory and Practice. 2nd Edition. Wiley Blackwell. Oxford. 10. Meehan Arias, K. (2010) Outbreak Investigation and Control in Healthcare.2nd Edition. Jones and Bartlett: London. Camden and Islington, NHS Foundation Trust, Infection Prevention and Control Policies and Procedures ,January 2018.
Electronic Materials	▪ Blackboard materials – digital library ▪ WHO www.WHO.int ▪ CDC www.cdc.gov ▪ Web of science https://www.webofscience.com ● EBSCO Academic Search Complete https://www.ebsco.com PubMed https://pubmed.ncbi.nlm.nih.gov
Other Learning Materials	Allender J.A., Spradley B.S., Community Health Nursing ,Promotion and Protecting the Public's Health, 8th ed., 2014, Lippincott Williams & Wilkins.

2. Required Facilities and equipment

Items	Resources
facilities	■ Lecture hall ■ Size of classroom is appropriate

Items	Resources
(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	■ Community health nursing lab furnished with all needed teaching learning materials Lecture room & community health nursing lab is large enough with good ventilation
Technology equipment (projector, smart board, software)	■ Data show/ Projector ■ White board ■ Laptop computer (Desktop with CPU & Keyboard) ■ Simulators in community health nursing lab Posters, models, Family model
Other equipment (depending on the nature of the specialty)	■ E- books electronic ■ Saudi Digital Library Online US Library

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students, Faculty, Program Leaders, Peer Reviewer, Academic performance follows up committee, Students GPA	Direct / Indirect
Effectiveness of Students assessment	Students, Faculty, Program Leaders, Peer Reviewer, Academic performance follows up committee, Examination committee	Direct / Indirect
Quality of learning resources	Students, Faculty, Program Leaders, Peer Reviewer, PLOs assessment committee	Direct / Indirect
The extent to which CLOs have been achieved	Students, Faculty, Program Leaders, Peer Reviewer, Academic performance follows up committee, Examination committee, Students Results	Direct / Indirect
Other		

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

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	**DEPARTMENT COUNCIL**
REFERENCE NO.	**1/44/45**
DATE	**21-8-2023**