



## Module (Course Syllabus) Catalogue 2023-2024

College/ Institute	Erbil Medical Technical Institute	
Department	MLT Department	
Module Name	Infection Control	
Module Code	INC304	
Degree	Technical Diploma <input checked="" type="checkbox"/> Bachler <input type="checkbox"/> High Diploma <input type="checkbox"/> Master <input type="checkbox"/> PhD <input type="checkbox"/>	
Semester	3rd	
Qualification	Master degree	
Scientific Title	lecturer	
ECTS (Credits)	4	
Module type	Prerequisite <input type="checkbox"/> Core <input checked="" type="checkbox"/> Assist. <input type="checkbox"/>	
Weekly hours	4	
Weekly hours (Theory)	( 2 )hr Class	( 3 )Total hrs Workload
Weekly hours (Practical)	( --- )hr Class	( )Total hrs Workload
Number of Weeks	16	
Lecturer (Theory)	Hussein Mahmood Abdullah	
E-Mail & Mobile NO.	Hussin.abdulla@epu.edu.iq	
Lecturer (Practical)	-----	
E-Mail & Mobile NO.	-----	
Websites	<a href="https://academicstaff.epu.edu.iq/faculty/muharam.mohammed">https://academicstaff.epu.edu.iq/faculty/muharam.mohammed</a>	

<https://academicstaff.epu.edu.iq/faculty/muharam.mohammed>

# Course Book

<b>Course Description</b>	<p>Infection prevention and control (IPC) aims to prevent or control the spread of infections in healthcare facilities and the community. IPC is a universal discipline with relevance to all aspects of healthcare. It is part of every healthcare workers' duty of care to ensure that no harm is done to patients, visitors or staff. All healthcare workers require at least a basic understanding of IPC principles and practice. Infection prevention and control is a discipline that aims to prevent or control the spread of infections in healthcare facilities and the community.</p>
<b>Course objectives</b>	<p>Discuss the impact of community-acquired and healthcare-associated infections.</p> <ul style="list-style-type: none"> <li>• Define key terms related to infection prevention and control.</li> <li>• Describe the chain of infection as it applies to infection prevention and control.</li> <li>• Explain methods to prevent the spread of infection.</li> <li>• Summarize the engineering, work practice, and environmental controls that protect against healthcare-associated infections.</li> <li>• Identify barriers and personal protective equipment for protection from exposure to potentially infectious material.</li> <li>• Discuss efforts designed to minimize the risk of occupational exposures to infectious diseases.</li> </ul>
<b>Student's obligation</b>	<p>It is necessary all the students listen and write notes and their obligations throughout the academic year and the attendance and completion of all tests, exams. It should also practice in the laboratory or another place depending on the lecture.</p>
<b>Required Learning Materials</b>	<p>Lecture halls with data show equipment for lecture presentations, white board, overhead projector, posters and data collection according to lectures.</p>
<b>Evaluation</b>	<p><b>24% Mid Term (Theory)</b></p> <p><b>8% Quiz</b></p> <p><b>2% class activity</b></p> <p><b>10% homework</b></p> <p><b>16%report, seminar</b></p> <p><b>40% final (theory)</b></p>

<b>Specific learning outcome:</b>	<p>By the end of this course learners will:</p> <ul style="list-style-type: none"> <li>• Be able to identify sources of infections.</li> <li>• Understand the various ways that infections may be transmitted.</li> <li>• Understand the chain of infection and how it helps us identify effective ways to control risks.</li> <li>• Recognize the importance of medical staff and health workers to carry out risk assessments of workplace.</li> <li>• Have a basic understanding of what medical staff and health workers legal duties are under certain pieces of legislation.</li> <li>• Be fully aware of what preventative measures and remedial actions help prevent infections from transmitting.</li> </ul>	
<b>Course References:</b>	<p>A Guide to Infection Control in the Hospital ,An official publication of the International Society for Infectious Diseases (ISID)-Fifth Edition.          -Infections and infectious diseases, A manual for nurses and midwives In the WHO European Region.          -Infection Prevention and Control- Module 1. Introduction to Infection Prevention and Control(Authors Melanie S. Curless, MPH, RN, CIC,LaToya A.Forrester, MPH, CIC,Polly A. Trexler, MS, CIC) © 2018 by Jhpiego Corporation. All rights reserved.          - Waste Management Awareness Handbook 2011          - IFIC Basic Concepts of Infection Control 2nd Edition - Revised 2011 (Previously published as Infection Control: Basic Concepts and Training)</p>	
<b>Course topics (Theory)</b>	<b>Week</b>	<b>Learning Outcome</b>
<b>Introduction of infection control and glossary of terms</b>	First	Define Infection Control and describe basic terminology
<b>Chain of disease Transmission.</b>	Second	Student learn the cycle of infection
<b>Disease prevention plan - general principles for prevention (level of prevention) and breaking the chain of Infection.</b>	Third	Student learn about prevention and control of infection
<b>Immunity-Vaccinations against communicable diseases (regional plan)</b>	Fourth	Student learn relation between human immunity and prevention of some communicable diseases

<b>standard Precaution (Hand hygiene and personal protective equipment PPE)</b>	Fifth	Student learn about standard safety measures to infection control
<b>Cleaning disinfectant and sterilization</b>	Sixth	Student learn the role of disinfectant and sterilization
<b>Biomedical Waste management</b>	Seventh	Student learn the importance of waste management.
<b>Infection spread by Food and water</b>	Eighth	Student learn about randomised controlled trial study
<b>Infection spread by animals and insects</b>	Ninth	Student learn about Non-randomised controlled trial study
<b>Infection spread by sexual contacts and blood, body fluids</b>	Tenth	Student learn the key components of outbreak investigation
<b>Disease investigation</b>	Eleventh	Student learn about Epidemiologically investigation and assessment of infectious diseases
<b>Flowcharts for the Diagnosis of Communicable Diseases</b> <b>-(ACUTE DIARRHOEAL SYNDROME and ACUTE HAEMORRHAGIC FEVER SYNDROME)</b> <b>- (ACUTE RESPIRATORY SYNDROME)</b> <b>-(ACUTE JAUNDICE SYNDROME and ACUTE NEUROLOGICAL SYNDROME)</b>	Twelfth	Student learn How we can Differentiation between some diseases -
<b>Different</b> question for examples:- Q/ choose the correct answer ....? Q /Match the following.....? Q/ fill the following blankets .....? Q/ Enumerate .....? Q/ Briefly explain or define the following .....? Q/ MCQ (multiple choice question) Q/ Write on Q/ Fill the following Q/ Case management	<b>Week</b>	<b>Learning Outcome</b>
	1	

## Questions Example Design

### Different question for examples:-

- Q/ choose the correct answer.
- Q /Match the following.
- Q/ fill the following blankets.
- Q/ Enumerate.
- Q/ Briefly explain or define the following.
- Q/ MCQ (multiple choice question)
- Q/ Write briefly on the followings.
- Q/ Fill the following.
- Q/ Case management.

### Extra notes:

### External Evaluator

I confirmed that the contents of this syllabus are commonly more explicit and follows the principles and rules in medical microbiology subjects.

**Lecturer: Karim Jwan Salih**