

Kurdistan Region Government

Ministry of Higher Education and Scientific Research

Erbil Polytechnic University

**Module (Course Syllabus) Catalogue**

**2021-2022**

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| **College/ Institute**  | **Erbil Medical Technical Institute** |
| **Department** | **MLT Department** |
| **Module Name** | **Infection Control** |
| **Module Code** | **INC304** |
| **Degree** | **Technical Diploma Bachler High Diploma Master PhD** |
| **Semester** | **3rd** |
| **Qualification** | **Master degree** |
| **Scientific Title**  | **lecturer** |
| **ECTS (Credits)** | **4** |
| **Module type** | **Prerequisite Core Assist.** |
| **Weekly hours** | **2** |  |
| **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**  | **https://academicstaff.epu.edu.iq/faculty/muharam.mohammed** |

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**Course Book**

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| **Course Description** | 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. |
| **Course objectives** | Discuss the impact of community-acquired and healthcare-associated infections. • Define key terms related to infection prevention and control. • Describe the chain of infection as it applies to infection prevention and control. • Explain methods to prevent the spread of infection. • Summarize the engineering, work practice, and environmental controls that protect against healthcare-associated infections. • Identify barriers and personal protective equipment for protection from exposure to potentially infectious material. • Discuss efforts designed to minimize the risk of occupational exposures to infectious diseases.  |
| **Student's obligation** | 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. |
| **Required Learning Materials**  | Lecture halls with data show equipment for lecture presentations, white board, overhead projector, posters and data collection according to lectures. |
| **Evaluation** | ‌ **Task** | **Weight (Marks)** | **Due Week** | **Relevant Learning Outcome** |
| Paper Review  | 1 | 1 |  |
| Assignments | Homework | 0.5 | 4 |  |
| Class Activity | 2 | 2 |  |
| Report | 1 | 1 |  |
| Seminar | 1 | 1 |  |
| Essay | 0 | 0 |  |
| Project | 0 | 0 |  |
| Quiz | 1 | 4 |  |
| Lab. | 2 | 12 |  |
| Midterm Exam | 1 | 2 |  |
| Final Exam | 1 | 3 |  |
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| **Specific learning outcome:** | By the end of this course learners will:* Be able to identify sources of infections.
* Understand the various ways that infections may be transmitted.
* Understand the chain of infection and how it helps us identify effective ways to control risks.
* Recognize the importance of medical staff and health workers to carry out risk assessments of workplace.
* Have a basic understanding of what medical staff and health workers legal duties are under certain pieces of legislation.
* Be fully aware of what preventative measures and remedial actions help prevent infections from transmitting.
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| **Course References‌:** | A Guide to Infection Control in the Hospital ,An official publication of theInternational Society for Infectious Diseases (ISID)-Fifth Edition.-Infections and infectious diseases, A manual for nurses and midwivesIn 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) |
| **Course topics (Theory)** | **Week** | **Learning Outcome** |
| **Introduction of infection control and glossary of terms** | First | Define Infection Control and describe basic terminology |
|  **Chain of disease Transmission.** | Second | Student learn the cycle of infection  |
| **Disease prevention plan - general principles for prevention (level of prevention) and breaking the chain of Infection.** | Third | Student learn about prevention and control of infection |
| **Immunity-Vaccinations against communicable diseases (regional plan)** | Fourth | Student learn relation between human immunity and prevention of some communicable diseases |
| **standard Precaution (Hand hygiene and personal protective equipment PPE)** | Fifth | Student learn about standard safety measures to infection control  |
| **Cleaning disinfectant and sterilization**  | Sixth | Student learn the role of disinfectant and sterilization  |
| **Biomedical Waste management**  | Seventh | Student learn the importance of waste management. |
| **Infection spread by Food and water** | Eighth | Student learn about randomised controlled trial study  |
| **Infection spread by animals and insects**  | Ninth  | Student learn about Non-randomised controlled trial study |
| **Infection spread by sexual contacts and blood, body fluids** | Tenth | Student learn the key components of outbreak investigation  |
| **Disease investigation** | Eleventh | Student learn about Epidemiologically investigation and assessment of infectious diseases  |
| **Flowcharts for the Diagnosis of Communicable Diseases****-(ACUTE DIARRHOEAL SYNDROME and ACUTE HAEMORRHAGIC FEVER SYNDROME)****- (ACUTE RESPIRATORY SYNDROME)****-(ACUTE JAUNDICE SYNDROME and ACUTE NEUROLOGICAL SYNDROME)** | Twelfth | Student learn How we can Differentiation between some diseases - |
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| **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 on Q/ Fill the following Q/ Case management  |

  | **Week** | **Learning Outcome** |
|   | 1 |  |
|  | 2 |  |
|  | 3 |  |
|  | 4 |  |
|  | 5 |  |
|  | 6 |  |
|   | 7 |  |
|   | 8 |  |
|  | 9 |  |
|   | 10 |  |
|  | 11 |  |
|  | 12 |  |
|  **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** |