



Applied College

Program: infection control

1st Year/Level 1

A brief Course Description	
Course Name	Basic Biostatistics
Course Code	INC 100
Credit Hours	3
Medium of instruction	English
Course Objectives:	<p>This course aim to provide students with the ability to</p> <ul style="list-style-type: none">Recognize different methods in descriptive statistics and to apply these methods to health related data,use statistical software to draw tables and graphs, to calculate descriptive statistics of health related data and to interpret outputs generated by the software
A brief Course Description	
Course Name	Principles of Public Health
Course Code	INC 101
Credit Hours	3
Medium of instruction	English
Course Objectives:	<p>This course enables students:</p> <ul style="list-style-type: none">to Recognize central concepts within the field of Public HealthSummarize main health related conditions in different subspecialties in the scope of public healthDevelop critical thinking skills of public health challenges



A brief Course Description	
Course Name	Medical Ethics and Professionalism
Course Code	INC 140
Credit Hours	3
Medium of instruction	English
Course Objectives:	<p>This course enables students:</p> <ul style="list-style-type: none">• to recognize moral questions in healthcare and medical decision-making, to formulate the answers to such questions, and• to critically engage in the work with peers and others in the field.



1st Year/Level 2

A brief Course Description	
Course Name	Health Education and Communication
Course Code	INC 103
Credit Hours	2
Medium of instruction	English
Course Objectives:	<p>At the end of this course the students will be able to:</p> <ul style="list-style-type: none">• Know how to communicate effectively with patients, colleagues and the public• Provide effective and satisfactory health education session.
A brief Course Description	
Course Name	Basic Epidemiology
Course Code	INC 102
Credit Hours	3
Medium of instruction	English
Course Objectives:	<p>At the end of this course the students will be able to:</p> <ul style="list-style-type: none">• Recognize key features and applications epidemiology using descriptive and analytic epidemiology.• Calculate and interpret different disease outcome measures
A brief Course Description	
Course Name	Basic Microbiology



Course Code	INC 110
Credit Hours	3
Medium of instruction	English
Course Objectives:	<p>This course aim to provide students with the ability to</p> <ul style="list-style-type: none">• Understand basics of medical microbiology and microbial cell structures.• Categorizes various pathogenic human bacteria, viruses and fungi.• Describes the principles and pathogenesis of diseases caused by microorganisms and the set methods to control them.

A brief Course Description

Course Name	Fundamentals of infectious Diseases
Course Code	INC 120
Credit Hours	3
Medium of instruction	English
Course Objectives:	<p>At the end of the course, the students will be able to:</p> <ul style="list-style-type: none">• This introductory course will provide an overview of the principles and practices of infectious diseases, recognizing chain of infection and the dynamics of disease transmission together with the different levels of infectious diseases prevention & control.

A brief Course Description

Course Name	Fundamentals of Infection Control and Sterilization
Course Code	INC 130
Credit Hours	4
Medium of instruction	English



Course Objectives:

At the end of this course the students will be able to:

- Recognize the importance of patient safety and concept behind the practice of infection prevention and control.
- Define infection prevention and control terminology, cleaning, sterilization and disinfection strategies.
- Participate with teams of caregivers to address infection prevention and control strategies.
- Practice infection prevention and control strategies properly
- Identify appropriate steps of cleaning, sterilization and disinfection strategies.
- Implement infection prevention and control procedures, critical steps of cleaning, disinfection, and sterilization.



2nd Year/Level 3

A brief Course Description	
Course Name	Medical Microbiology and Immunology
Course Code	INC 211
Credit Hours	3
Medium of instruction	English
Course Objectives:	<p>At the end of the course, the students will be able to:</p> <ul style="list-style-type: none"> • To acquire a basic understanding of structure, growth characteristics , isolation/ identification methods for medically important bacteria, viruses. Parasites, yeasts and molds. • To identify common infectious agents and the diseases that they cause. • To outline the safety measures that are necessary to prevent infection . • To identify the different basis of immune response.
A brief Course Description	
Course Name	infectious Diseases
Course Code	INC 221
Credit Hours	3
Medium of instruction	English
Course Objectives:	<p>At the end of the course, the students will be able to:</p> <ul style="list-style-type: none"> • Identify the most common infectious diseases affecting people in KSA and world-wide. • Classify infectious diseases according to their mode of transmission. • Recognize main manifestations of different infectious diseases and interpret different methods of prevention and control. .



A brief Course Description	
Course Name	Environmental Infection Prevention and Control Measures
Course Code	INC 231
Credit Hours	3
Medium of instruction	English
Course Objectives:	At the completion of this course, the student will be able to: -Describe the safe health care environment. -Determine the sources of environmental hazards, their adverse health effects and the control measures used to prevent or minimize these health effects -Identify and prevent or correct problems associated with occupational health and safety in care settings
A brief Course Description	
Course Name	Infection control measures and practices in health care settings
Course Code	INC 132
Credit Hours	4
Medium of instruction	English
Course Objectives:	At the end of the course the students will be able to: <ul style="list-style-type: none">• Identify basic measures of infection control and prevention in different health care settings.• Recognize evidence-based infection prevention and control policies and procedures.• Define how pathogenic organisms may be spread in healthcare setting and factors that influence the outcome of an exposure.• Implement strategies for Standard, contact, droplet and Transmission-Based Precautions in different healthcare settings to minimize the risk of health care acquired infection.• Practice appropriate cleaning, sterilization and disinfection strategies.• Apply All guidelines of infection prevention and prevention in different health care settings.
A brief Course Description	



Course Name	Infectious Diseases Surveillance
Course Code	INC 233
Credit Hours	2
Medium of instruction	English
Course Objectives:	At the end of the course, the students will be able to: <ul style="list-style-type: none">-Understand the purpose and principles of surveillance ;-Identify and understand the elements required in the development of a surveillance system ;-Learn how to analyze and interpret surveillance data ;-Identify and measure attributes used in the evaluation of a surveillance system

2nd Year/Level 4

A brief Course Description	
Course Name	Clinical training
Course Code	INC 290
Credit Hours	7 (0+0+7)
Medium of instruction	English
Course Objectives:	<ul style="list-style-type: none">- Students should also regularly assess the compliance to current infection prevention protocols- Investigates infection control incident report and monitor the follow-up care for patients exposed to infectious agent, sharp injury or to one of the notifiable diseases.- Applies the suitable infection control practice for a selected procedure/ settings/ patient care group.