



PREVENT IT CURRICULA @CHITKARA UNIVERSITY

College Name : Chitkara School of Health Sciences

Nature : Complusary

Course Name : Emerging Domains in Healthcare

N.o of Hours : 36 Hours

Teaching faculty : Dr Kiranjeet Kaur

No. of students : 70

Course Program : Post Graduate Studies in Health Care Management
Type : Modernised

Semester : Third
Course Code: HSL 2216

Syllabus

Introduction to antibiotics and antibiotics resistance (ABR):
Trends in Antimicrobial Resistance -
Role of policy makers/regulating authorities (in brief):
Role of Human Behaviour in managing ABR:
Introduction to Infection Prevention and Control Program:



Teaching Methodology

- Power point presentations
- Chalk-board method
- Make students read aloud

Workshop

Scope and Objectives

This course will help the students to understand the concept of antibiotic resistance, its impact on environment and health along with the basics of existing management perspectives for individual care.

The main objectives of the course are:

- To introduce the basic concepts of antibiotics and antibiotic resistance
- To understand the statistics of the incidence and prevalence of ABR
- To understand the impact of ABR on Environment and health
-



Recommended Material

-Antibiotics Resistance Mechanisms And New Antimicrobial Approaches, Kateryna Kon and Mahendra Rai, ISBN: 978-0-12-803642-6, Elsevier's publication

-Antibiotic Resistance: Understanding and Responding to an Emerging Crisis, DRLICA & PERLIN, FT Press Science

-Antibiotics And Antibiotic Resistance, Ola Sköld, ePDF ISBN: 978-1-118-07556-2o, Book ISBN: 978-1-118-07560-9, ePub ISBN: 978-1-118-07558-6, Wiley publishers

-Microbiology and Infection Control for Health Professionals, Lee, G & Bishop, P, 2015, 6th Edition, Pearson Prentice Hall, Frenchs Forest

Evaluation Pattern

- Internal Assessment
- Final Assessment

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PREVENT IT CURRICULA @CHITKARA UNIVERSITY

College Name : Chitkara School of Health Sciences

Nature : Complusary

Course Name : Epidemiology And Community Optometry

N.o of Hours : 05 Hours

Teaching faculty : Dr Kiranjeet Kaur

No. of students : 40

Course Program : Post Graduate Studies in Optometry
Type : Modernised

Semester : First
Course Code: HOL5101

Syllabus

Introduction to antibiotics and antibiotics resistance (ABR): Antibiotics- definition, types, mode of action (in brief); ABR- definition, mechanism of ABR, concept of MDR & XDR Trends in Antimicrobial Resistance - A Global Concern: Introduction, Concept of one health, Drug Resistance pattern of bacterial pathogens in humans, animals and environment (India)



Teaching Methodology

- Prepare Videos
- Search Review of literature
- Community service/awareness

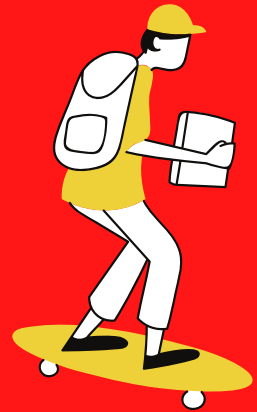
Lecture

Scope and Objectives

This course will help the students to understand the concept of antibiotic resistance, its impact on environment and health along with the basics of existing management perspectives for individual care.

The main objectives of the course are:

- To introduce the basic concepts of antibiotics and antibiotic resistance
- To understand the statistics of the incidence and prevalence of ABR
- To understand the impact of ABR on Environment and health
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Recommended Material

-Antibiotics Resistance Mechanisms And New Antimicrobial Approaches, Kateryna Kon and Mahendra Rai, ISBN: 978-0-12-803642-6, Elsevier's publication

-Antibiotic Resistance: Understanding and Responding to an Emerging Crisis, DRLICA & PERLIN, FT Press Science

-Antibiotics And Antibiotic Resistance, Ola Skold, ePDF ISBN: 978-1-118-07556-2o, Book ISBN: 978-1-118-07560-9, ePub ISBN: 978-1-118-07558-6, Wiley publishers

-Microbiology and Infection Control for Health Professionals, Lee, G & Bishop, P, 2015, 6th Edition, Pearson Prentice Hall, Frenchs Forest

Evaluation Pattern

- Sessional Tests
- End Term Examination

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PREVENT IT CURRICULA @CHITKARA UNIVERSITY



College Name : Chitkara School of Health Sciences

Course Name : Epidemiology and Bio statistics

Teaching faculty : Dr Meenakshi Sood

Program Name: MBA Health Care Management

Type : Modernised

Nature : Compulsary

Total Time : 36 Hours

No. of students : 70

Semester : First

Course Code: HSL2115

Syllabus

- Understanding the concept of ABR:
- Epidemiology of ABR:
- PREVENT IT:Risk Management:
- Action plans for prevention of ABR:
- Reflection on Recent Research & development of new generation antibiotics
- Infection prevention and control (IPC)
- Role of Human Behavior



Teaching Methodology

- Power point presentations,
- Chalk-board method
- Make students read aloud,
- Debates, True or false
- Think-pair-share
- You tube videos

Lecture

Scope and Objective

- To introduce the basic concepts of antibiotics and antibiotic resistance
- To understand the statistics of the incidence and prevalence of ABR
- To understand concept of "One health" related to Environment and ABR
- To provide an overview about the advancement in diagnostics approaches to combat ABR
- To aware the "healthcare professionals" about the role of "human behavior" in managing ABR
- To understand the chain of infection and how to create a sterile field in hospital environments



Recommended Material

- Antibiotics Resistance Mechanisms And New Antimicrobial Approaches, Kateryna Kon and Mahendra Rai, ISBN: 978-0-12-803642-6, Elsevier's publication
- Antibiotic Resistance: Understanding and Responding to an Emerging Crisis, DRLICA & PERLIN, FT Press Science
- Antibiotics And Antibiotic Resistance, Ola Skold, ePDF ISBN: 978-1-118-07556-2o, Book ISBN: 978-1-118-07560-9, ePub ISBN: 978-1-118-07558-6, Wiley publishers
- Practical Implementation of an Antibiotic Stewardship Program, Tamar F. Barlam, Melinda M. Neuhauser, Pranita D. Tamma, Kavita K. Trivedi, ISBN-13: 978-1107166172, Cambridge University Press

Evaluation Pattern

- Internal Assessments
- Final Assessment s

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PREVENT IT CURRICULA @CHITKARA UNIVERSITY



College Name : Chitkara School of Health Sciences

Course Name : General Microbiology and Immunology

Teaching faculty : Dr Kiranjeet Kaur

Program Name: Undergraduate studies in Medical Laboratory Technology
Type : Modernised

Nature : Compulsory

Total Time : 72 Hours

No. of students : 90

Semester : First
Course Code: HSL4107

Syllabus

- Understanding the concept of ABR:
- Epidemiology of ABR:
- PREVENT IT:Risk Management:
- Action plans for prevention of ABR:
- Reflection on Recent Research & development of new generation antibiotics
- Infection prevention and control (IPC)
- Role of Human Behavior



Teaching Methodology

- Power point presentations,
- Chalk-board method
- Make students read aloud,
- Debates, True or false
- Think-pair-share
- You tube videos

Lecture

Scope and Objective

- To introduce the basic concepts of antibiotics and antibiotic resistance
- To understand the statistics of the incidence and prevalence of ABR
- To understand concept of "One health" related to Environment and ABR
- To provide an overview about the advancement in diagnostics approaches to combat ABR
- To aware the "healthcare professionals" about the role of "human behavior" in managing ABR
- To understand the chain of infection and how to create a sterile field in hospital environments



Recommended Material

- Antibiotics Resistance Mechanisms And New Antimicrobial Approaches, Kateryna Kon and Mahendra Rai, ISBN: 978-0-12-803642-6, Elsevier's publication
- Antibiotic Resistance: Understanding and Responding to an Emerging Crisis, DRLICA & PERLIN, FT Press Science
- Antibiotics And Antibiotic Resistance, Ola Skold, ePDF ISBN: 978-1-118-07556-2o, Book ISBN: 978-1-118-07560-9, ePub ISBN: 978-1-118-07558-6, Wiley publishers
- Practical Implementation of an Antibiotic Stewardship Program, Tamar F. Barlam, Melinda M. Neuhauser, Pranita D. Tamma, Kavita K. Trivedi, ISBN-13: 978-1107166172, Cambridge University Press

Evaluation Pattern

- Sessional Test
- End Term Examination

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PREVENT IT CURRICULA @CHITKARA UNIVERSITY

College Name : Chitkara School of Health Sciences

Nature : Complusary

Course Name : Microbiology related to DTT

N.o of Hours : 24 Hours

Teaching faculty : Dr Kiranjeet Kaur

No. of students : 80

Course Program : Graduate Studies in Patient Safety and Quality
Type : Modernised

Semester : Third
Course Code: HSL4117

Syllabus

Introduction to antibiotics and antibiotics resistance (ABR):
Trends in Antimicrobial Resistance -
Role of policy makers/regulating authorities (in brief):
Role of Human Behaviour in managing ABR:
Introduction to Infection Prevention and Control Program:



Teaching Methodology

- Power point presentations
- Chalk-board method
- Make students read aloud

Lecture

Scope and Objectives

This course will help the students to understand the concept of antibiotic resistance, its impact on environment and health along with the basics of existing management perspectives for individual care.

The main objectives of the course are:

- To introduce the basic concepts of antibiotics and antibiotic resistance
- To understand the statistics of the incidence and prevalence of ABR
- To understand the impact of ABR on Environment and health
-



Recommended Material

-Antibiotics Resistance Mechanisms And New

Antimicrobial Approaches, Kateryna Kon and Mahendra Rai, ISBN:

978-0-12-803642-6, Elsevier's publication

-Antibiotic Resistance: Understanding and Responding to an Emerging Crisis, DRLICA & PERLIN, FT Press Science

-Antibiotics And Antibiotic Resistance, Ola Sköld, ePDF ISBN: 978-1-118-07556-2o,

Book ISBN: 978-1-118-07560-9, ePub ISBN: 978-1-118-07558-6, Wiley publishers

-Microbiology and Infection Control for Health

Professionals, Lee, G & Bishop, P, 2015, 6th Edition, Pearson Prentice Hall, Frenchs Forest

Evaluation Pattern

- Sessional Tests
- End Term Examination

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PREVENT IT CURRICULA @CHITKARA UNIVERSITY

College Name : Chitkara School of Health Sciences

Nature : Complusary

Course Name : Microbiology

N.o of Hours : 08 Hours

Teaching faculty : Dr Kiranjeet Kaur

No. of students : 2

Course Program : Post Graduate Studies in Occupational Therapy
Type : Modernised

Semester : Third
Course Code: HOL3203

Syllabus

Introduction to antibiotics and antibiotics resistance (ABR):
Trends in Antimicrobial Resistance -
Role of policy makers/regulating authorities (in brief):
Role of Human Behaviour in managing ABR:
Introduction to Infection Prevention and Control Program:



Teaching Methodology

- Power point presentations
- Chalk-board method
- Make students read aloud

Lecture

Scope and Objectives

This course will help the students to understand the concept of antibiotic resistance, its impact on environment and health along with the basics of existing management perspectives for individual care.

The main objectives of the course are:

- To introduce the basic concepts of antibiotics and antibiotic resistance
- To understand the statistics of the incidence and prevalence of ABR
- To understand the impact of ABR on Environment and health
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Recommended Material

-Antibiotics Resistance Mechanisms And New Antimicrobial Approaches, Kateryna Kon and Mahendra Rai, ISBN: 978-0-12-803642-6, Elsevier's publication
-Antibiotic Resistance: Understanding and Responding to an Emerging Crisis, DRLICA & PERLIN, FT Press Science
-Antibiotics And Antibiotic Resistance, Ola Skold, ePDF ISBN: 978-1-118-07556-2o, Book ISBN: 978-1-118-07560-9, ePub ISBN: 978-1-118-07558-6, Wiley publishers
-Microbiology and Infection Control for Health Professionals, Lee, G & Bishop, P, 2015, 6th Edition, Pearson Prentice Hall, Frenchs Forest

Evaluation Pattern

- Sessional Tests
- End Term Examination

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PREVENT IT CURRICULA @CHITKARA UNIVERSITY



College Name : Chitkara School of Health Sciences

Course Name : Microbiology

Teaching faculty : Dr Kiranjeet Kaur

Program Name: Undergraduate studies in physiotherapy

Type : Modernised

Nature : Compulsary

Total Time : 54 Hours

No. of students : 40

Semester : Third

Course Code: HSL3217

Syllabus

- Understanding the concept of ABR:
- Epidemiology of ABR:
- PREVENT IT:Risk Management:
- Action plans for prevention of ABR:
- Reflection on Recent Research & development of new generation antibiotics
- Infection prevention and control (IPC)
- Role of Human Behavior



Teaching Methodology

- Power point presentations,
- Chalk-board method
- Make students read aloud,
- Debates, True or false
- Think-pair-share
- You tube videos

Lecture

Scope and Objective

- To introduce the basic concepts of antibiotics and antibiotic resistance
- To understand the statistics of the incidence and prevalence of ABR
- To understand concept of "One health" related to Environment and ABR
- To provide an overview about the advancement in diagnostics approaches to combat ABR
- To aware the "healthcare professionals" about the role of "human behavior" in managing ABR
- To understand the chain of infection and how to create a sterile field in hospital environments



Recommended Material

- Antibiotics Resistance Mechanisms And New Antimicrobial Approaches, Kateryna Kon and Mahendra Rai, ISBN: 978-0-12-803642-6, Elsevier's publication
- Antibiotic Resistance: Understanding and Responding to an Emerging Crisis, DRLICA & PERLIN, FT Press Science
- Antibiotics And Antibiotic Resistance, Ola Skold, ePDF ISBN: 978-1-118-07556-2o, Book ISBN: 978-1-118-07560-9, ePub ISBN: 978-1-118-07558-6, Wiley publishers
- Practical Implementation of an Antibiotic Stewardship Program, Tamar F. Barlam, Melinda M. Neuhauser, Pranita D. Tamma, Kavita K. Trivedi, ISBN-13: 978-1107166172, Cambridge University Press

Evaluation Pattern

- Sessional Test
- End Term Examination

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PREVENT IT CURRICULA @CHITKARA UNIVERSITY

College Name : Chitkara School of Health Sciences

Nature : Complusary

Course Name : Awareness on Antibiotic Resistance

N.o of Hours : 14 Hours

Teaching faculty : Dr Meenakshi Sood

No. of students : 10

Course Program : Post Graduate Studies in Physiotherapy

Semester : Second

Type : Modernised

Course Code: HSW1120

Syllabus

Preparation for creating awareness: To review the available literature on existing modes of creating awareness

Identifying the right audience for ABR dissemination;

-Creating Awareness on ABR

Videos on social media on ABR/Conducting radio talks Group discussions/debates/street plays



Teaching Methodology

- Prepare Videos
- Search Review of literature
- Community service/awareness

Workshop

Scope and Objectives

-Help students design material for creating awareness on ABR

-Creation of awareness in community through street plays, talks, videos, posters



Recommended Material

Not Applicable

Evaluation Pattern

-Sessional Tests

-End Term Examination

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PREVENT IT CURRICULA @CHITKARA UNIVERSITY



College Name : Chitkara School of Health Sciences

Course Name : Ocular Microbiology

Teaching faculty : Ms Rajveer Kaur

Program Name: Undergraduate studies in Optometry

Type : Modernised

Nature : Compulsary

Total Time : 36 Hours

No. of students : 30

Semester : Third

Course Code: HSL2261

Syllabus

- Understanding the concept of ABR:
- Epidemiology of ABR:
- PREVENT IT:Risk Management:
- Action plans for prevention of ABR:
- Reflection on Recent Research & development of new generation antibiotics
- Infection prevention and control (IPC)
- Role of Human Behavior



Teaching Methodology

- Power point presentations,
- Chalk-board method
- Make students read aloud,
- Debates, True or false
- Think-pair-share
- You tube videos

Lecture

Scope and Objective

- To introduce the basic concepts of antibiotics and antibiotic resistance
- To understand the statistics of the incidence and prevalence of ABR
- To understand concept of "One health" related to Environment and ABR
- To provide an overview about the advancement in diagnostics approaches to combat ABR
- To aware the "healthcare professionals" about the role of "human behavior" in managing ABR
- To understand the chain of infection and how to create a sterile field in hospital environments



Recommended Material

- Antibiotics Resistance Mechanisms And New Antimicrobial Approaches, Kateryna Kon and Mahendra Rai, ISBN: 978-0-12-803642-6, Elsevier's publication
- Antibiotic Resistance: Understanding and Responding to an Emerging Crisis, DRLICA & PERLIN, FT Press Science
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- Practical Implementation of an Antibiotic Stewardship Program, Tamar F. Barlam, Melinda M. Neuhauser, Pranita D. Tamma, Kavita K. Trivedi, ISBN-13: 978-1107166172, Cambridge University Press

Evaluation Pattern

- Session Tests (S.Ts)/presentation
- End Term Examinations

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PREVENT IT CURRICULA @CHITKARA UNIVERSITY



College Name : Chitkara School of Health Sciences **Nature :** Compulsory
Course Name : Total Quality Management // Intro to quality and patient safety **Total Time :** 32 Hours
Teaching faculty : Dr Kiranjeet Kaur// Ms Rajveer Kaur **No. of students :** 80
Program Name: Undergraduate studies in Operation Theatre Technology **Semester :** First
Type : Modernised **Course Code:** HSW1203 // HSL2219

Syllabus

- Understanding the concept of ABR:
- Epidemiology of ABR:
- PREVENT IT:Risk Management:
- Action plans for prevention of ABR:
- Reflection on Recent Research & development of new generation antibiotics
- Infection prevention and control (IPC)
- Role of Human Behavior



Teaching Methodology

- Power point presentations,
- Chalk-board method
- Make students read aloud,
- Debates, True or false
- Think-pair-share
- You tube videos

Lecture

Scope and Objective

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- Antibiotic Resistance: Understanding and Responding to an Emerging Crisis, DRLICA & PERLIN, FT Press Science
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Evaluation Pattern

- Sessional Test
- End Term Examination

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