





PREVENT IT CURRICULA @AMRITA VISHWA VIDYAPEETHAM

College Name:	Centre for Allied Health Sciences, AIMS, Cochin	Nature:	Compulsory
Course Name:	Paper VI- General Medicine, General Surgery, Pediatrics	No. of Hours:	05 Hours
Teaching Faculty:	Ms Keerti, Dr Nandita, Dr Savitri P, Dr Rajalakshmi	No. of Students:	10
Course Program:	Bachelor of Science Physician Assistant	Semester:	First
Туре:	Modernised	Course Code:	BPA21

SYLLABUS

- ✓ Antimicrobial resistance Mechanisms in brief.
- AMR burden in the global and national level, Surveillance strategies, Existing AMR surveillance systems.
- Multidrug resistant nosocomial pathogens: MRSA, VRE, ESBL-producers, Carbapenemase producers.
- Transmission of antimicrobial resistance in the nosocomial setting.
- Overview of antimicrobial susceptibility testing
- Introduction to Antimicrobial stewardship.

RECOMMENDED BOOKS (REFERENCE BOOKS/TEXT BOOKS):

- Manual of Infection Prevention and control NizamDamani
- 2. Antimicrobial Drug Resistance Douglas L Mayer
- 3. Apurba Sastry & Deepashree's Essentials of Hospital Infection Control
- 4. Harrison's Principles of Internal Medicine
- 5. Katzung Basic and Clinical Pharmacology 14th Edition

EVALUATION SCHEME & COMPONENTS:

- ✓ Sessional exams
- End term assessment

TEACHING METHODOLOGY



- Due to the accelerated emergence of AMR specific actions from various stakeholders like respiratory therapists, public health professionals and physician assistants are necessary.
- These health professionals with their association with the patients and their role in infection control are a part of a multi-disciplinary team and one of the mos appropriate groups to combat AMR.







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PREVENT IT CURRICULA @AMRITA VISHWA VIDYAPEETHAM

College Name:	Amrita Institute of Medical Sciences	Nature:	Compulsor
Course Name:	A course on AMR	No. of Hours:	15 Hours
Teaching Faculty:	Faculty of nursing, infection control nurses	No. of Students:	100
Course Program:	Bachelors in Nursing	Semester:	4th year
Туре:	Modernised	Course Code:	BSN404AA

SYLLABUS

- Basics of antimicrobial therapy and AMR \$
- AMR Prevention / reduction
- Hospital acquired infections
- ✓ IPC in infectious diseases
- ✓ Surveillance in AMR
- ✓ Antimicrobial stewardship

RECOMMENDED READING MATERIALS (TEXTBOOKS/WEBSITES/ REFERENCE BOOKS/ORIGINAL PAPERS AND REVIEW ARTICLES FROM JOURNALS)

- ✓ WHO competency framework for health workers' education and training on antimicrobial resistance. Geneva: World Health Organization; 2018 (WHO/HIS/HWF/AMR/2018.1). Licence: CCBY-NC-SA 3.0 IGO
- ✓ Ananthanarayan R. Ananthanarayan and Paniker's textbook of microbiology. Orient Blackswan; Prithvi books; 11th edn 2020
- ✓ Sastry AS, Bhat S. Essentials of medical microbiology. Jaypee Brothers, Medical Publishers Pvt. Limited; 2018 Oct 31.
- ✓ Fauci AS, Kasper DL, Hauser SL, Jameson JL, Loscalzo J. Harrison's principles of internal medicine. Longo DL, editor. New York: Mcgraw-hill; 2012.
- ✓ Katzung BG. Basic and clinical pharmacology. Mc Graw Hill; 2012.

EVALUATION PATTERN:

Pre post assessment

TEACHING METHODOLOGY

- ✓ Lecture
- Power point presentations
- Chalk-board method
- ✓ Assignments



✓ Discussion

SCOPE AND OBJECTIVES

On completion of the course, the students

- explain basic knowledge on effective antimicrobial therapy and AMR.
- describe the role of bedside nursing in preventing / reducing AMR.
- describe the guidelines in the management of hospital acquired infections.
- ✓ illustrate Infection Prevention and Control (IPC) practices in the therapeutic management of infectious diseases.
- Describe principles and processes of surveillance of AMR.
- Explain the role of nurses in antimicrobial stewardship.
- communicate effectively with individuals and groups, and members of the health team regarding AMR.
- ✓ demonstrate skills in teaching individuals and groups in varying health settings regarding effective antimicrobial therapy.









PREVENT IT CURRICULA @AMRITA VISHWA VIDYAPEETHAM

College Name:	Centre for Allied Health Sciences, AIMS, Cochin	Nature:	Compulsory
Course Name:	Applied Sciences-1	No. of Hours:	05 Hours
Teaching Faculty:	Ms. Keerti, Dr. Nandita, Dr. Savitri P, Dr. Rajalakshmi	No. of Students:	10
Course Program:	Bachelor of Science Respiratory Therapy	Semester:	2nd year
Туре:	Modernised	Course Code:	RPT23

SYLLABUS

- Antimicrobial resistance Mechanisms in brief.
- AMR burden in the global and national level, Surveillance strategies, Existing AMR surveillance systems.
- Multidrug resistant nosocomial pathogens: MRSA, VRE, ESBL-producers, Carbapenemase producers.
- Transmission of antimicrobial resistance in the nosocomial setting.
- Overview of antimicrobial susceptibility testing
- Introduction to Antimicrobial stewardship
- ✓ Hospital infection control.

RECOMMENDED BOOKS (REFERENCE BOOKS/TEXT BOOKS):

- Manual of Infection Prevention and control NizamDamani
- ✓ Antimicrobial Drug Resistance Douglas L Mayer
- ApurbaSastry & Deepashree's Essentials of Hospital Infection Control
- ✓ Harrison's Principles of Internal Medicine
- ✓ Katzung Basic and Clinical Pharmacology 14th Edition

EVALUATION SCHEME & COMPONENTS:

- ✓ Sessional exams
- End term assessment



TEACHING METHODOLOGY

✓ Lecture

SCOPE AND OBJECTIVES

- Due to the accelerated emergence of AMR specific actions from various stakeholders like respiratory therapists, public health professionals and physician assistants are necessary.
- These health professionals with their association with the patients and their role in infection control are a part of a multidisciplinary team and one of the most appropriate groups to combat AMR



COURSE LEARNING OUTCOME:

Upon completion of this course it is expected that students shall be able to:

- To educate them on the need for containment of AMR
- Develop skills to understand their responsibility to combat AMR through judicious handling of antimicrobials and infection control practices.







PREVENT IT CURRICULA @AMRITA VISHWA VIDYAPEETHAM

College Name: Course Name: Teaching Faculty: Clinical Pharmacist **Course Program:** Type:

Amrita Institute of Medical Sciences **Pharmacy Practice Theory Bachelors in Pharmacy** Modernised

Compulsory Nature: 02 Hours No. of Hours: No. of Students: 60 Semester: Seven Course Code: **BP703T**

SYLLABUS

- Definition of Antimicrobial resistance
- Overview on resistance mechanisms
- AMR surveillance system
- Introduction to GLASS
- AMR burden in the global and national level
- ✓ Consequences of AMR
- Strategies developed to overcome AMR

RECOMMENDED MATERIAL

✓ Reygaert WC. An overview of the antimicrobial resistance mechanisms of bacteria. AIMS Microbiol. 2018;4(3):482-501. Published 2018 Jun 26. doi:10.3934/microbiol.2018.3.482.

https://www.who.int/medicines/areas/rational_use/AMR Surveillance/en/

- https://www.who.int/glass/en/
- WHO Global action plan on AMR, National Action Plan on AMR, Kerala State Action Plan on AMR



EVALUATION PATTERN

✓ Internal assessment ✓ End semester exam

SCOPE AND OBJECTIVES

Antimicrobial resistance (AMR) is a global health challenge and developing countries are more vulnerable to the -adverse health impacts of AMR. This training on risk management and prevention of antibiotic resistance help them to understand their potential role in improving AMR.

 Understand the basic concepts of antimicrobial resistance, the urge to contain AMR, its impact in the society, various strategies adopted on a alobal and national basis to overcome the AMR





TEACHING METHODOLOGY

 Power point presentations ✓ Lecture Chalk Board Method









PREVENT IT CURRICULA @AMRITA VISHWA VIDYAPEETHAM

College Name:	4
Course Name:	l
Teaching Faculty:	
Course Program:	
Туре:	

Amrita Institute of Medical Sciences Microbiology Faculty of Microbiology Bachelors in Dental Surgery Modernised

Nature:	Comp
No. of Hours:	05 Ho
No. of Students:	60
Semester/Year:	Secor
Course Code:	D1G

TEACHING METHODOLOGY

Power point presentations
 Lecture

Compulsory 05 Hours 60 Second Year D1GPM

SYLLABUS

- ✓ Burden of antimicrobial resistance:
- Mechanisms of antibiotic resistance: Antibiotic susceptibility testing: Infection control
- ✓ Antimicrobial stewardship
- ✓ MOOC

RECOMMENDED MATERIAL

- Mandell, Douglas and Bennett's Principles and | Practice of Infectious Diseases
- Apurba Sastry and Deepashree's Essentials of Hospital Infection Control
- Ananthanarayanan & Paniker's Textbook of Microbiology
- ✓ Harrison's Principles of Internal Medicine
- IDSA guidelines



EVALUATION PATTERN

- ✓ Online/offline tests
- ✓ Assignments

- In dentistry, antibiotics are prescribed for the treatment of odontogenic infections, especially endodo-ntic infections, and prophylaxis of local and systemic spread.
- ✓ Studies report that 15% of the dentists prescribe antibiotics daily and many prescriptions have proven to be unnecessary potentially aiding the emergence of resistance.
- The proposed module would help young dental professionals understand the magnitude of burden of amr and their role in the rational use of antimicrobials to prevent amr.







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PREVENT IT CURRICULA @AMRITA VISHWA VIDYAPEETHAM

College Name:	Amrita Institute of Medical Sciences
Course Name:	General and dental pharmacology and therapeutics
Teaching Faculty:	Faculty of Pharmacology
Course Program:	Bachelors in Dental Surgery
Туре:	Modernised

Nature:	Compulsory
No. of Hours:	07 Hours
No. of Students:	60
Semester/ Y ear	Second Yeo
Course Code:	DIGDP

SYLLABUS

- General considerations in antimicrobial chemotherapy: bactericidal and bacteriostatic antibiotics, pharmacokinetics.
- Classes of antibiotics: cell-wall acting beta lactams, glycopeptides. Polymyxins. linezolid. Quinolones, sulfonamides, miscellaneous agents.



TEACHING METHODOLOGY

Power point presentations
 ✓ Lecture



RECOMMENDED MATERIAL

- ✓ Harrison's principles of internal medicine
- ✓ Katzung basic and clinical pharmacology 14th edition
- Idsa guidelines
- ✓ www.uptodate.com



EVALUATION PATTERN

Online/offline tests
Assignments

- In dentistry, antibiotics are prescribed for the treatment of odontogenic infections, especially endodo-ntic infections, and prophylaxis of local and systemic spread.
- ✓ Studies report that 15% of the dentists prescribe antibiotics daily and man prescriptions have proven to be unnecessary potentially aiding the emergence of resistance.
- ✓ The proposed module would help young dental professionals understand the magnitude of burden of AMR and their role in the rational use of antimicrobials to prevent AMR.









PREVENT IT CURRICULA @AMRITA VISHWA VIDYAPEETHAM

College Name:	Amrita Institute of Medical Sciences
Course Name:	Co-curricular activity Specialised training on AMR
Teaching Faculty:	Ms Anila K.N
Course Program:	Master of Pharmacy
Type:	Modernised

Nature:	Compulsory
No. of Hours:	15 Hours
No. of Students:	07
Semester:	Third
Course Code:	MPP302C

SYLLABUS

- Definition of Antimicrobial resistance
- Overview on resistance mechanisms
- AMR surveillance system
- ✓ Introduction to GLASS
- AMR burden in the global and national level
- Consequences of AMR
- Strategies developed to overcome AMR
- Concepts of GAP,NAP and KARSAP, WHO guidelines on AMR

RECOMMENDED MATERIAL

 Reygaert WC. An overview of the antimicrobial resistance mechanisms of bacteria. AIMS Microbiol. 2018;4(3):482–501. Published 2018 Jun 26. doi:10.3934/microbiol.2018.3.482.

https://www.who.int/medicines/areas/rational_use/AM R_Surveillance/en/

- https://www.who.int/glass/en/
- ✓ WHO Global action plan on AMR, National Action Plan on AMR, Kerala State Action Plan on AMR
- Global Antibiotic Resistance Partnership

(https://www.cddep.org/wpcontent/uploads/2017/06/india-report-web_8.pdf)

SCOPE AND OBJECTIVES

Antimicrobial resistance (AMR) is a global health challenge and developing countries are more vulnerable to the adverse health impacts of AMR. Studies shows that pharmacists play a key role in improving the antimicrobial resistance.

This training enables them to understand their potential role in improving AMR and

help them to develop expertise in rational use of antimicrobials. Upon completion of this course it is expected that students shall be able to

- ✓ Understand the basic concepts of antimicrobial resistance, its impact on various levels in the society and current strategies adopted on global and national level to contain AMR
- Identify existing gaps in the systems to prevent AMR

EVALUATION PATTERN

 Icredit will be awarded on the completion of entire 15 hours theoretical training



TEACHING METHODOLOGY

- Power point presentations
 - ✓ Chalk-board method
- Problem solving methods
 - ✓ Lecture







PREVENT IT CURRICULA @AMRITA VISHWA VIDYAPEETHAM

College Name:	Amrita Institute of Medical Sciences	Nature:	Compulsory
Course Name:	Microbiology	No. of Hours:	06 Hours
Teaching Faculty:	Faculty of Microbiology	No. of Students:	100
Course Program:	Bachelors in Medicine and Surgery (MBBS)	Year	Second
Туре:	Modernised	Course Code:	2MB.MI

SYLLABUS

- Mechanisms of antibiotic resistance: impaired drug entry, drug inactivation, target alteration. Multidrug resistance.
- Horizontal transfer of drug resistance: insertion sequences, transposons, integrons. Transformation, Transduction, Conjugation



TEACHING METHODOLOGY

Power point presentations
 Lecture
 Chalkboard Method



RECOMMENDED MATERIAL

- Manual of Infection Prevention and control NizamDamani
- ✓ Antimicrobial Drug Resistance Douglas L Mayer
- ApurbaSastry & Deepashree's Essentials of Hospital Infection Control
- Harrison's Principles of Internal Medicine
- Katzung Basic and Clinical Pharmacology 14th Edition
- ✓ IDSA guidelines



EVALUATION PATTERN

✓ Offline examinations
 ✓ Assignments

- Inappropriate antimicrobial prescriptions major factor contributing to AMR
- ✓ Junior or newly qualified doctors large prescribing group and most mobile workforce
- ✓ To train medical students and to positively influence their knowledge, attitudes, and behaviour with regard to antibiotic prescription practices.









PREVENT IT CURRICULA @AMRITA VISHWA VIDYAPEETHAM

College Name:	Amrita Institute of Medical Sciences	Nature:	Compulsory
Course Name:	Pharmacology	No. of Hours:	10 Hours
Teaching Faculty:	Faculty of Pharmacology	No. of Students:	100
Course Program:	Bachelors in Medicine and Surgery (MBBS)	Year	Second
Туре:	Modernised	Course Code:	2MB.PH

SYLLABUS

- Classification by mechanism of Action, Bactericidal and Bacteriostatic agents
- Cell wall active agents : penicillins, Penicillinase inhibitors, Cephalosporins, Carbapenems, glycopeptides
- Anti-tubercular drugs, anti-protozoal, antihelminthic drugs

TEACHING METHODOLOGY

✓ Power point presentations
 ✓ Lecture
 ✓ ChalkBoard Method



RECOMMENDED MATERIAL

- Manual of Infection Prevention and control NizamDamani
- ✓ Antimicrobial Drug Resistance Douglas L Mayer
- ApurbaSastry & Deepashree's Essentials of Hospital Infection Control
- Harrison's Principles of Internal Medicine
- Katzung Basic and Clinical Pharmacology 14th Edition
- ✓ IDSA guidelines



EVALUATION PATTERN

✓ Offline examinations
 ✓ Assignments

- Inappropriate antimicrobial prescriptions major factor contributing to AMR
- ✓ Junior or newly qualified doctors large prescribing group and most mobile workforce
- ✓ To train medical students and to positively influence their knowledge, attitudes, and behaviour with regard to antibiotic prescription practices.
- This targeted educational program enables them to appropriately prescribe antimicrobials and to gain an understanding of antimicrobial resistance (AMR)









PREVENT IT CURRICULA @AMRITA VISHWA VIDYAPEETHAM

College Name:Amrita InstituCourse Name:Clerkship ActTeaching Faculty:Ms Anila KNCourse Program:Doctor of PheType:Modernised

Amrita Institute of Medical Sciences Clerkship Activity Ms Anila KN Doctor of Pharmacy - REGULAR Modernised Nature:CompulsoryNo. of Hours:15 HoursNo. of Students:30Year:FifthCourse Code:PD 5.6

SYLLABUS

- Introduction to Antimicrobial resistance
- Strategies to combat AMR
- Role of clinical pharmacist
- ✓ Antimicrobial Stewardship
- Guidelines for appropriate use of antimicrobials based on common focus of infections



TEACHING METHODOLOGY

- Power point presentations
 - Chalk-board method
- Problem solving methods
 - ✓ Bedside Training
 - ✓ Lecture

RECOMMENDED MATERIAL

 Reygaert WC. An overview of the antimicrobial resistance mechanisms of bacteria. AIMS Microbiol. 2018;4(3):482–501. Published 2018 Jun 26. doi:10.3934/microbiol.2018.3.482.

https://www.who.int/medicines/areas/rational_use/AMR_ Surveillance/en/

- https://www.who.int/glass/en/
- WHO Global action plan on AMR, National Action Plan on AMR, Kerala State Action Plan on AMR
- ✓ Global Antibiotic Resistance Partnership (https://www.cddep.org/wpcontent/uploads/2017/06/india-report-web 8.pdf)



EVALUATION PATTERN

Power point presentation
 with Oral VIVA

SCOPE AND OBJECTIVES

Antimicrobial resistance (AMR) is a global health challenge and developing countries are more vulnerable to the adverse health impacts of AMR. Studies shows that pharmacists play a key role in improving the antimicrobial resistance. Upon completion of this course it is expected that students shall be able to

- Understand the basic concepts of antimicrobial resistance, its impact on various levels in the society and current strategies adopted on global and national level to contain AMR
- Identify existing gaps in the systems to prevent AMR
- ✓ Understand the need of strategies like Antimicrobial Stewardship (ASP).







PREVENT IT CURRICULA @AMRITA VISHWA VIDYAPEETHAM

College Name:	Amrit
Course Name:	Clerk
Teaching aculty:	Ms A
Course Program:	Post
Туре:	Mode

mrita Institute of Medical Sciences lerkship Activity \s Anila KN ost Baccalaureate Studies in Pharmacy \odernised

Nature:	Compulsory
No. of Hours:	15 Hours
No. of Students:	03
Semester:	Second
Course Code:	PD.PB 2.8

SYLLABUS

- Introduction to Antimicrobial resistance
- Strategies to combat AMR
- Role of clinical pharmacist
- Antimicrobial Stewardship
- Guidelines for appropriate use of antimicrobials based on common focus of infections



TEACHING METHODOLOGY

- Power point presentations
 - Chalk-board method
- Problem solving methods
 - ✓ Lecture

RECOMMENDED MATERIAL

 Reygaert WC. An overview of the antimicrobial resistance mechanisms of bacteria. AIMS Microbiol. 2018;4(3):482–501. Published 2018 Jun 26. doi:10.3934/microbiol.2018.3.482.

https://www.who.int/medicines/areas/rational_use/AMR_ Surveillance/en/

- https://www.who.int/glass/en/
- WHO Global action plan on AMR, National Action Plan on AMR, Kerala State Action Plan on AMR
- Global Antibiotic Resistance Partnership (https://www.cddep.org/wpcontent/uploads/2017/06/india-report-web 8.pdf)



EVALUATION PATTERN

✓ Power point presentation
 ✓ Oral Questions and Answers

SCOPE AND OBJECTIVES

Antimicrobial resistance (AMR) is a global health challenge and developing countries are more vulnerable to the adverse health impacts of AMR. Studies shows that pharmacists play a key role in improving the antimicrobial resistance. Upon completion of this course it is expected that students shall be able to

- Understand the basic concepts of antimicrobial resistance, its impact on various levels in the society and current strategies adopted on global and national level to contain AMR
- Identify existing gaps in the systems to prevent AMR
- ✓ Understand the need of strategies like Antimicrobial Stewardship (ASP).







PREVENT IT CURRICULA @AMRITA VISHWA VIDYAPEETHAM

College Name:	Amrita Institute of Medical Sciences	Nat
Course Name:	Antimicrobial Stewardship	No.
Teaching Faculty:	Faculty from Internal Medicine, Microbiology & Clinical Pharmacy	No.
Course Program:	Post Baccalaureate Studies in Pharmacy	Sem
Туре:	Modernised	Cou

Nature:	Compulsory	
No. of Hours:	416 Hours	
No. of Students:	40	
Semester:	Third	
Course Code:	PD.PB 3.1	

TEACHING METHODOLOGY

Power point presentations

Chalk-board method

Problem solving methods

Lecture + Internship

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SYLLABUS

- Overview on common HAIs including CRE, VRE, MRSA, LRE, Colistin resistance, candida auris
- Advanced antimicrobial stewardship practices
- Overcoming the challenges in antimicrobial stewardship
- Antitubercular stewardship, introduction to antifungal stewardship, diagnostic stewardship, outpatient stewardship

RECOMMENDED MATERIAL

 Reygaert WC. An overview of the antimicrobial resistance mechanisms of bacteria. AIMS Microbiol. 2018;4(3):482–501. Published 2018 Jun 26. doi:10.3934/microbiol.2018.3.482.

https://www.who.int/medicines/areas/rational_use/AMR_ Surveillance/en/

- https://www.who.int/glass/en/
- WHO Global action plan on AMR, National Action Plan on AMR, Kerala State Action Plan on AMR
- Global Antibiotic Resistance Partnership (https://www.cddep.org/wpcontent/uploads/2017/06/india-report-web 8.pdf)



EVALUATION PATTERN

✓ Internal Assessment
 ✓ Pre Post MCQ

SCOPE AND OBJECTIVES

Antimicrobial resistance (AMR) is a global health challenge and developing countries are more vulnerable to the adverse health impacts of AMR. Studies shows that pharmacists play a key role in improving the antimicrobial resistance. Upon completion of this course it is expected that students shall be able to

- Understand the basic concepts of antimicrobial resistance, its impact on various levels in the society and current strategies adopted on global and national level to contain AMR
- Identify existing gaps in the systems to prevent AMR
- ✓ Understand the need of strategies like Antimicrobial Stewardship (ASP).







PREVENT IT CURRICULA @AMRITA VISHWA VIDYAPEETHAM

College Name:	Amrita Institute of Medical Sciences	N
Course Name:	Antimicrobial Stewardship	N
Teaching Faculty:	Faculty from Internal Medicine, Microbiology & Clinical Pharmacy	N S
Course Program:	Doctor of Pharmacy - REGULAR	
Туре:	Modernised	C

Nature:	Compulsory
No. of Hours:	416 Hours
No. of Students:	30
Semester:	Sixth
Course Code:	PD 6.1

SYLLABUS

- Overview on common HAIs including CRE, VRE, MRSA, LRE, Colistin resistance, candida auris
- Advanced antimicrobial stewardship practices
- Overcoming the challenges in antimicrobial stewardship
- Antitubercular stewardship, introduction to antifungal stewardship.
- ASP matrices includes DDD, Length of stay, Cost benefit analysis, deescalation rates, mortality rate, empiric to targeted conversion



 Revgaert WC. An overview of the antimicrobial resistance mechanisms of bacteria. AIMS Microbiol. 2018;4(3):482-501. Published 2018 Jun 26. doi:10.3934/microbiol.2018.3.482.

https://www.who.int/medicines/areas/rational use/AMR Surveillance/en/

- https://www.who.int/glass/en/
- WHO Global action plan on AMR, National Action Plan on AMR, Kerala State Action Plan on AMR
- Global Antibiotic Resistance Partnership (https://www.cddep.org/wpcontent/uploads/2017/06/india-report-web 8.pdf)



✓ Internal Assessment **EVALUATION PATTERN**

SCOPE AND OBJECTIVES

students shall be able to

 Understand the basic concepts of antimicrobial resistance, its impact on various levels in the society and current strategies adopted on global and national level to contain AMR

Antimicrobial resistance (AMR) is a global health

challenge and developing countries are more

vulnerable to the adverse health impacts of AMR.

Studies shows that pharmacists play a key role in improving the antimicrobial resistance. Upon

completion of this course it is expected that

- ✓ Identify existing gaps in the systems to prevent AMR
- ✓ Understand the need of strategies like Antimicrobial Stewardship (ASP).

TEACHING METHODOLOGY

- Power point presentations Chalk-board method
- Problem solving methods Lecture + Internship



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