

Basic Community Medicine & Health Management

Objectives:

At the end of the course, the student should be able to-

- provide promotive, preventive, and first line curative care to the community.
- identify health needs and health problems to serve the demands of the community.
- provide comprehensive health care to the community.
- deliver primary health care and essential services package.
- organize health education program in the community.
- work as a member of health team.
- co-ordinate with national and international health organizations and national health programs.
- Conduct community based research work.

List of competencies to Acquire-

1. Identify community health problems and health needs.
2. Categories health problems.
3. Take measure to fulfill the demand of the community.
4. Deliver primary health care and ESP to the community and help to achieve SDGs.
5. Provide comprehensive health care to the community.
6. Incorporate community awareness programs at the level of the community.
7. Collect, compile, interpretation, presentation and use of data from the community.
8. Formulate different registers and ledgers as per GOVT instruction.
9. Conduct community based research work and report writing.
10. Conduct field staff through monitoring and supervision.

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Classes will be started from the beginning of 2nd year and summative examination will be held at end of 3rd year

Group-A:

Contents	Learning Objectives	Training /Learning experiences			Expected hours /days	Assessment
		Class-room instruction	Practical /visit	Aids		
1. Introduction to Community Medicine : 1. Definitions 2. Communicable Diseases. 3. Non communicable Diseases.	At the end of learning session the students will be able to - a. define Community Medicine, preventive medicine, community, Communicable diseases, non communicable diseases, diseases, health ii. explain the terms-endemic, epidemic, pandemic, sporadic, reservoir, transmission, intermediate & definite host, carriers, susceptibility, resistant immunity, vector, infection, infestation, control, eradication, disinfection, quarantine, notification, contact, isolation, fomites, surveillance, defaulter, droplets, vector, control & transmission. iii. describe the routes of transmission, prevention and control of communicable diseases. iv. explain epidemiological triad in causation of diseases.	Lecture Group Discussion		Audio-visual Board	Lec-6hrs Tuto-6hrs	Post session Written (SAQ) Viva
2. Contact Diseases Scabies, ring worm, candidiasis (Oral & Vaginal), Conjunctivitis	At the end of learning session the students will be able to - i. describe the causative agents and factors related to etiologic & transmission ii. differentiate the disease in a patient by Symptoms & signs. iii. state the drug treatment iv. enumerate prevention and control	Lecture Group Discussion	Case Demonstration	Audio-visual Board Picture Exposure to community / hospital	Lec-3hrs Tuto-3hrs Visit-3hrs	Post session Written (SAQ) Viva & Diagnosis and management of cases in Ward + community

* Visit= In hospital / Laboratory

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<p>3. Sexually transmitted disease (STD)</p> <p>Trichomoniasis, gonorrhoea, syphilis, AIDS</p>	<p>At the end of learning session the students will be able to :</p> <p>i. describe the causative agents and social factors related to transmission</p> <p>ii. diagnosis the diseases by the signs & symptoms</p> <p>iii. state the drug treatment</p> <p>iv. enumerate prevention and control</p>	<p>Lecture Group Discussion</p>	<p>Case Demonstration</p>	<p>Audio-visual Board Picture Exposure to community/hospital</p>	<p>Lec-3hrs Tuto-3hrs Visit-4hrs</p>	<p>Post session Written (SAQ) Viva & Diagnosis and management of cases in Ward + community</p>
<p>4. Diseases from animals (Zoonosis)</p> <p>Rabies.</p>	<p>At the end of learning session the students will be able to :</p> <p>i. describe the causative agents, transmission & clinical signs</p> <p>ii. describe in detail the preventive measure</p>	<p>Lecture Group Discussion</p>	<p>Case Demonstration</p>	<p>-Do-</p>	<p>Lec-2hrs Tuto-2hrs Visit-4hrs</p>	<p>-Do-</p>
<p>5. Faecal & water borne Disease :</p> <p>(Exclusive Helminthiasis):- Diarrhoeal Diseases, Dysenteries Cholera Typhoid Food poisoning Poliomyelities, viral Hepatitis (A & E)</p>	<p>At the end of learning session the students will be able to :</p> <p>i. describe the causative agents, transmission, clinical features, and complication</p> <p>ii. assess dehydration</p> <p>iii. categorise the main regime of management</p> <p>iv. describe the preventive & control measures</p>	<p>Lecture Group Discussion</p>	<p>Case Demonstration</p>	<p>-Do-</p>	<p>Lec-8hrs Tuto-8hrs Visit-8hrs</p>	<p>-Do-</p>

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Arsenicosis	At the end of learning session the students will be able to : i. mention the prevalence in Bangladesh ii. describe the cause, predisposing factors and transmission iii. diagnose the cases by signs & symptoms iv. explain the methods of control, prevention, survey and follow up v. state the standard methods of management and problem included in prevention	Lecture Group Discussion	Case Demonstration	Audio-visual Board Picture Exposure to community / hospital Video	Lec-6hrs Tuto-6hrs Visit-6hrs	Post session Written (SAQ) Viva & Diagnosis of management of cases in Ward + community

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		Class-room instruction	Practical /visit	Aids		
<p>6. Helminthiasis</p> <p>Hookworm, Ascariasis, Enterobiasis Strongyloidiasis Trichuriasis Taeniasis</p>	<p>At the end of learning session the students will be able to :</p> <p>i. explain the parasite, its life cycle and transmission</p> <p>ii. describe the clinical features, complications and treatment</p> <p>iii. mention the control and preventive measures</p>	<p>Lecture Group Discussion</p>	<p>Case Demonstration</p>	<p>Audio-visual Board Picture Exposure to community / hospital Video</p>	<p>Lec-8hrs Tuto-8hrs Visit-8hrs</p>	<p>Post session Written (SAQ)</p> <p>Viva & Diagnosis of management of cases in Ward + community</p>
<p>7. Infectious diseases</p> <p>Respiratory Tract infection (ARI), Pneumonia, meningitis, chicken pox, common cold, Influenza , Mumps, Swine flu.SARS(covid-19)</p> <p>EPI activities: BCG, DPT, OPV, Measles, TT, Hepatitis B, Hib.</p>	<p>At the end of learning session the students will be able to :</p> <p>i. state the cause, transmission and predisposing factors</p> <p>ii. diagnose the cases by clinical signs and symptoms</p> <p>iii. diagnose early, know first line of treatment and refer properly</p> <p>iv. state the main methods of prevention & control</p> <p>v. state the immunization schedule (WHO)</p>	<p>Lecture Group Discussion</p>	<p>Case Demonstration</p>	<p>-Do-</p>	<p>Lec-8hrs Tuto-8hrs Visit-8hrs</p>	<p>-Do-</p>

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8. Vector Borne Disease : Malaria Dengue Filaria Kala-azar	At the end of learning session the students will be able to : i. describe the life cycle (Malaria Specially) and causative organism and mode of transmission ii. state the main reservoir of infection iii. diagnose the cases by signs & symptoms iv. state the management v. mention the methods of control and prevention vi. define arthropods and classify arthropods of medical importance. vii. define insecticides and use of specific insecticides.	Lecture Group Discussion	Case Demonstration	Audio-visual Board Picture Exposure to community / hospital Video	Lec-6hrs Tuto-6hrs Visit-6hrs	Post session Written (SAQ) Viva & Diagnosis of management of cases in Ward + community
9. Chronic infections diseases : Tuberculosis Leprosy	At the end of learning session the students will be able to : i. state the prevalence in Bangladesh ii. describe the cause, predisposing factors and transmission iii. diagnose the cases by signs & symptoms iv. explain the interpretation of tuberculin test and BCS v. mention the methods of control, prevention, survey and follow up vi. list the standard methods of management and problem included in control & treatment	Lecture Group Discussion	Case Demonstration	-Do-	Lec-3hrs Tuto-3hrs Visit-4hrs	-Do-

* Visit = Infectious disease Hospital

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10. General principle of management	<p>At the end of learning session the students will be able to :</p> <ul style="list-style-type: none"> i. define management, component of management, function of management. ii. define planning , planning cycle, organising, leading, controlling. iii. definition of manager, type of manger, quality of a good manager iv. define emergency & disaster, management of disaster & disaster management team v. definition of Hospital, describe the Hospital functions (clinical & nursing & MA service, supportive, general management & Utility function) vi. type & category Hospitals 	<p>Lecture Group Discussion</p>	<p>Role play Field visit</p>	<p>Audio-visual Board Exposure to community / hospital Video</p>	<p>Lec-8hrs Tuto-8hrs</p>	<p>Post session Written (SAQ) Viva & Observing activities in organisation of team performing task</p>

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Group: B

Contents	Learning Objectives	Training /Learning experiences			Expected hours /days	Assessment
		Class-room instruction	Practical /visit	Aids		
<p>11. Administration :</p> <p>Public Health</p> <p>a) Principles of administration</p> <p>b) Collection, compilation, interpretation, presentation & use of health data.</p> <p>c) Preparation of different registers and ledgers as per Govt.</p> <p>Proforma:</p> <p>d) technique of official correspondences</p> <p>e) Medical record keeping</p>	<p>At the end of learning session the students will be able to :</p> <p>define public health, what is the dimension of health indicators of health. (Physical, Mental, Social & spiritual)</p> <ol style="list-style-type: none"> 1. explain the principles of administration 2. prepare and maintain different registers 3. collect, compile, interpret, use and display health data and send report of those to the supervising authority 4. maintain attendance of staff and staff disciplines, leave registers etc 5. make office correspondence 6. prepare and forward activity reports and display those in chart in the centre 7. prepare indent for logistic supplies, procedures and maintains stock ledgers 8. define importance and maintenance of medical record keeping 	<p>Lecture</p> <p>Group Discussion</p>	<p>Practical demonstration</p> <p>Field visit</p> <p>Role play</p>	<p>Audio-visual Board</p> <p>Exposure to community / hospital Sample</p>	<p>Lec-3hrs</p> <p>Tuto-3hrs</p> <p>Visit-8hrs</p>	<p>Post session Written(SAQ)</p> <p>Viva & Observing activities in organisation of team performing task</p>

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Group: B

Contents	Learning Objectives	Training /Learning experiences			Expected hours /days	Assessment
		Class-room instruction	Practical /visit	Aids		
12. Supervision a) Purpose & functions of supervision b) Qualities of a good supervisor c) Requirements and methods of supervision	At the end of learning session the students will be able to : 1. explain the purpose and function of supervision 2. supervise the field staff 3. assess the progress of work	Lecture Group Discussion	Field visit Role play	Audio-visual Board Exposure to community / hospital	Lec-2hrs Tuto-2hrs Visit-4hrs	Post session Written (SAQ) Viva & Observing activities in organisation of team performing task
13. Health team & leadership a) Composition and function of health team b) How to establish good relations with community people	At the end of learning session the students will be able to : 1. explain the compositions and functions of health team 2. organise a health team for community health task 3. establish good relation with community people 4. co-ordinate the activities of a health team 5. mention the quality of a good leader	Lecture Group Discussion	Practical demonstration Field visit Role play	Audio-visual Board Exposure to community / hospital Sample	Lec-2hrs Tuto-2hrs Visit-4hrs	-DO
14. Communication Skill 1. Definition Purpose & major elements 2. Types & methods 3. Barriers	At the end of learning session the students will be able to : 1. define communication & explain its purpose 2. list & explain the major elements of communication 3. name & explain the main barriers of communication 4. prepare and use appropriate methods of communication in his/her working situation	Lecture Group Discussion	Field visit Role play	Audio-visual Board Exposure to community / hospital	Lec-2hrs Tuto-2hrs Visit-4hrs	-DO

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Group: B

Contents	Learning Objectives	Training /Learning experiences			Expected hours /days	Assessment
		Class-room instruction	Practical /visit	Aids		
<p>15. Primary Health Care:</p> <p>a. Concept of Health for all by the year of 2000 AD.</p> <p>b. Concept of Primary Health care</p> <p>c. Level of health care in context of Bangladesh</p> <p>d. Components & principles of PHC</p> <p>e. Community Health Problems</p> <p>f. Community participation & integrated approach of PHC</p> <p>g. Health related MDG and SDG</p> <p>h. Important National organization.</p> <p>i. Important international health organization. WHO,UNICEF,RED CRESCENT,ICDDR,B, CARE etc.</p>	<p>At the end of learning session the students will be able to :</p> <ol style="list-style-type: none"> 1. define primary Health Care and HFA 2. list the components, Principal & strategies of PHC 3. explain the term “Health for all by the year 2000 AD 4. describe the levels of Health Care in context of Bangladesh 5. organize community participation & involvement 6. identify community priority health problem. 7 .explain universal health coverage 8. implement the integrated approach of PHC both intra-sectoral and inter-sectoral 9. state health related MDGs and SDGs and ESP 10. recognise important national and international health organization and list their programmes. 	<p>Lecture Group Discussion</p>	<p>Field visit Role play</p>	<p>Audio-visual Board Exposure to community / hospital</p>	<p>Lec-2hrs Tuto-2hrs Visit-4hrs</p>	<p>Post session Written (SAQ)</p> <p>Viva & Observing activities in organisation of team performing task</p>
<p>16. HPSP & HNP-SP services Description, component</p>	<p>At the end of learning session the students will be able to :</p> <ol style="list-style-type: none"> 1. define essential service delivery (ESD) 2. List the components with contents in details (ESD) 3. mention the method of delivery of (ESD) 	<p>Lecture Group Discussion</p>	<p>Field visit Role play</p>	<p>Audio-visual Board Exposure to community / hospital</p>	<p>Lec-3hrs Tuto-3hrs</p>	<p>-DO_</p>

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Group: C

Contents	Learning Objectives	Training /Learning experiences			Expected hours /days	Assessment
		Class-room instruction	Practical /visit	Aids		
<p>1 : Non communicable Disease of public health importance</p> <p>a. Hypertension b. Diabetes c. Bronchial Asthma d. Ischemic heart disease e. Rheumatic fever f. Cancer g. Drowning h. Snake bite i. Injury</p>	<p>At the end of learning session the students will be able to :</p> <ul style="list-style-type: none"> state sign and symptoms of a. hypertension, diabetes, bronchial asthma, ischemic heart disease, rheumatic fever, cancer, snake bite diagnose at primary stage hypertension, diabetes, asthma, ischemic heart disease, rheumatic fever, cancer mention 1st line of management and refer appropriately the patient with the above mentioned health problems measure BP and Urine Sugar 	<p>Lecture followed by tutorials</p>	<p>Field visit (Exposure to community / hospital)</p> <p>Role play</p> <p>-Do-</p> <p>Practical at lab</p>	<p>Audio-visual Board Exposure to community / hospital</p>	<p>Lec-10hrs Tuto-10hrs Visit-10hrs</p>	<p>Post session Written (SAQ)</p> <p>Viva & Observing activities in organisation of team performing task</p>

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Group: D

Contents	Learning Objectives	Training /Learning experiences			Expected hours /days	Assessment
		Class-room instruction	Practical /visit	Aids		
1 : Promotive, preventive and community issues of the health problems related to Medicine.	At the end of learning session the students will be able to : <ul style="list-style-type: none"> • mention Promotive, preventive and community issues of the health problems relater to Medicine. 	Lecture followed by tutorials		Chalk and Board , OHP, Mutimedia, Chart, Diagram, Poster, Festoon etc	Lec-14hrs Tuto-14hrs	Post session Written (SAQ) Viva
2 : Promotive, preventive and community issues of the health problems related to Surgery.	At the end of learning session the students will be able to : <ul style="list-style-type: none"> • describe Promotive, preventive and community issues of the health problems relater to Surgery. 	Lecture followed by tutorials		Chalk and Board , OHP, Mutimedia, Chart, Diagram, Poster, Festoon etc	Lec-14hrs Tuto-14hrs	Post session Written (SAQ) Viva
2 : Promotive, preventive and community issues of the health problems related to Gynaecology and Obstetrics.	At the end of learning session the students will be able to : <ul style="list-style-type: none"> • mention Promotive, preventive and community issues of the health problems relater to Gynaecology and Obstetrics. 	Lecture followed by tutorials		Chalk and Board , OHP, Mutimedia, Chart, Diagram, Poster, Festoon etc	Lec-14hrs Tuto-14hrs	Post session Written (SAQ) Viva

NB: Three months (12 weeks) placement at attached Upazilla Health Complex at Indoor, Outdoor, Emergency and ongoing health progremmes