

COMMED 311

**Community Medicine Course
Department of Family & Community Medicine**

Student/ Faculty guide

August 2018

General information:

Course Title: Community Medicine Course

Code & Number: COMM 311

Credit hours: 4

Course duration: Course will run throughout the academic year 2018-2019

Department Chairman: Dr. Amr Jamal

Faculty and staff involved in teaching and administration of the course 311:

Please find below the list of female faculty who you may interact with during the course 311.

Course Organizer (Females)

Dr Hafsa Raheel

Associate Professor and Consultant

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Administrative help:

Ms Sharmina Haitta

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Female faculty:

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Dr Nourah Alamro, Assistant Professor, nmalmro@ksu.edu.sa

Dr Leena Baghdadi, Assistant professor, lbaghdadi@ksu.edu.sa

Dr Resmieh Zeidan, ras_zeidan@hotmail.com

Dr Khawater , kbahkali@ksu.edu.sa

Dr Marwah Hassounah , marwah.m.i.h@gmail.com

Male Faculty:

Course Organizer (Males)

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Male faculty:

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Dr Mamdouh El-Messeiry, Professor, entreco2020@yahoo.com

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Dr Armen Torchyan, atorchyan@ksu.edu.sa

What is the main purpose for this course?

Aim:

To graduate students who are able to demonstrate the clinical skills and methods required to clinically define common health problems in KSA and have the ability to adopt a problem solving approach towards them at the community and policy level.

Specific Objectives:

By the end of this course, the students should be able to;

1. Have a thorough knowledge of the concepts of Public Health and apply them to disease prevention and control.
2. Understand the process of infectious diseases transmission and their prevention, non-communicable disease control and prevention, environment and occupation health hazards and policy formulations, health systems, mental health and issues within maternal and child, and geriatric health.
3. Identify major health problems in KSA .
4. Understand the principles of preventive medicine and their application.

Overview of the course:

A. Teaching methods

The course is taught using Lectures, tutorials, and seminars. While lectures will be used to provide students with the knowledge and concepts they need for the course. Tutorials will contain small exercises elaborating on the concepts delivered in each lectures.

Plan for each mode of teaching:

Lectures will be delivered by the responsible faculty. While **its not necessary** that both male and female faculty share the same lecture slides on either sides, the objectives of each lecture in this student guide will be used as reference. Kindly refer to the tables below for each lecture objectives.

Tutorials are planned to follow on the concepts delivered in each lecture. The class will be divided into small groups (aprox 20 students in each group). Small scenarios will be given to groups of students and solved/ discussed between faculty and students. The faculty who is to deliver the lecture related to the tutorial, will be responsible to develop the scenarios and conduct the tutorial with other faculty members in the allotted time.

Seminars. Students will be divided into groups of 8 – 10. Given a topic and allotted a supervisor. Students are to approach the allotted supervisor/faculty at least 3 - 4 weeks ahead to the scheduled date for the seminar. Incase the student group does not approach the faculty ahead of time, the faculty has every right to refuse to conduct the seminar with the students. Students are expected to work closely on preparation of the topic with the faculty. The students are free to make use of presentations, small role plays, and critical article appraisal for the preparation of the topic. A short summary will also be needed to be submitted by each group. The faculty will finalize this summary and submit to the coordinators. It will serve as a study guide for the topic for the exam. This whole exercise will carry 10 marks.

Evaluation of seminars:

Each group is to submit 2 things related to their seminar topic.

1. Presentation. (7 marks)
2. Summary/ brief report, summarising their presentation. (3 marks)

It is advised that each group of student meets at least twice with the concerned faculty. Each student will be evaluated individually on the following:

- 1-Teamwork spirit : punctuality, commitment, and overall outcome.
- 2-Presentation: slides, content, handling of questions , and presentation skills

Please note that teamwork is crucial. Individual delay may affect the whole team evaluation.

Practical exercise on outbreak investigation has been introduced this year. Where the class will act out/ perform a mock outbreak exercise. Details will be provided later by the concerned faculty. Submission of this assignment will carry 10 marks.

B. Mode of Assessment:

Students will be assessed 2 times in the academic year. Midterm and Final term.

Mid term marks 60%

Exam 30

Seminars 10

Quizzes 10

Practical exercise 10

Final term 40%

Exam 20

OSCE 20

OSCE has been introduced for the first time in the Community medicine course. The OSCE stations will be formulated on the guidelines and format of the examination and assessment guidelines, medical education, KSU.

Resources for learning:

Main textbook:

Park's textbook of Social and Preventive medicine. 24rd edition.

Can be accessed through a pdf version:

<https://www.medgag.com/book/park-textbook-preventive-social-medicine-pdf-book/>

Other resources:

- Public Health and Community Medicine. Ilyas Ansari. Edition: 8th
- Textbook of Preventive and Social Medicine. Mahajan and Gupta.
- Textbook of Epidemiology. Leon Gordis.

Introduction to public health

	Session	Objectives	Format
1	Introduction to community and preventive medicine (Course introduction)	<ul style="list-style-type: none"> Understand terms; Community medicine, Public health, Preventive medicine. Understand their relevance in global health delivery Understand the overview of the course 311, its resources and assessment strategies 	L
2	Terminology in public health	Define and understand concepts of basic terminologies used in the field of Community medicine, and Public health	L
3	Natural history of disease and concepts of prevention and control	<ul style="list-style-type: none"> Describe theories postulated for the development of diseases Explain the concept of iceberg phenomenon of diseases Understand the relationship between host, environment and agent in disease causation Define the term prevention Identify the level of prevention in relation to stage of disease development Identify the measures applied at each level of prevention with regard to controlling the reservoir, interruption of transmission, and the susceptible host 	L
4	Determinants of Health	<ul style="list-style-type: none"> Understand the spectrum of health in relation to health and sickness Define; health, disease, illness and wellbeing Define and understand the detriments of health; biological, behavioral, socio and cultural, environmental, socioeconomic, health services, and aging and gender Understand the concepts of “right to health “ and “health for all” 	L
5	Health indicators	<ul style="list-style-type: none"> Explain the need to use “indicators” to measure “health” status State the characteristics of health indicators List the uses of health indicators State with examples the types of health indicators 	L
6	Health indicators	<ul style="list-style-type: none"> Compute indicators Interpret the result of the indicator Through scenario exercises 	T
7	Global demography concepts & Population Pyramid	<ul style="list-style-type: none"> Define the terms; demography and population dynamics Apply demographic concepts in health system Describe major sources of population data Describe features of population pyramid and compare the pyramids of developed and developing countries 	L

		<ul style="list-style-type: none"> • Describe the concept of demographic equation • Describe and understand the theory of demographic transition • Describe the effect of population momentum on growth of population • Explain the phenomenon of migration and its effect on population size • Define, compute and interpret the rates of population increase and population doubling time 	
8	National population Dynamics & Demographic Transition	<ul style="list-style-type: none"> • Understand the current Saudi population pyramid • Understand the Saudi demographic transition over the past 3 decades • Discuss in detail the implications and future health needs of Saudi Arabia, based on the current population and demographic transition of KSA 	L
9	Demography (Rates & Population Pyramid)	<p>Describe and compare between different populations using the population pyramid</p> <ul style="list-style-type: none"> • Define, compute and interpret mortality indicators • Compute and interpret rates of fertility • Compute and interpret dependency ratio • Compute the rate of natural increase • Compute the population doubling time <p>Through scenario based exercises</p>	T
10	Screening	<ul style="list-style-type: none"> • Define the term “screening” • Explain the concept of screening and the lead time • Explain the difference between “screening”, “case finding”, “periodic examination” and “diagnosis” • State the uses of screening programs • State the criteria of health problems amenable for screening • Outline the differences between screening and diagnostic test • Distinguish between “mass screening” and “high risk screening” • State the criteria of an ideal screening test 	L
11	Screening		

Communicable Diseases

	Session Title	Objectives	Format
1	Introduction to Communicable Disease Epidemiology	<ul style="list-style-type: none"> • Define communicable disease, control, elimination and eradication • Draw the cycle of infection • Give examples of different types of infectious agents associated with diseases in humans • List types of reservoir of infection • Classify carriers and explain their public health importance in disease transmission • Illustrate with examples the different modes of transmission of communicable diseases • Define incubation period • Classify and differentiate types of immunity • Outline the measures for prevention and control of communicable diseases 	L
2	Principles of Immunization	<ul style="list-style-type: none"> • Understand the types of acquired immunity • Differentiate between the different types of vaccines used in preventing illness • Understand the type of vaccine, its mode of delivery, and schedule for important immunizable diseases; TB, Pertussis, Rubella, Diphtheria, Measles, Tetanus, Hepatitis, Meningitis, Rabies, Polio • Define and understand the cold chain and its importance 	L
3	Compulsory Vaccination Schedule in the KSA	<ul style="list-style-type: none"> • List the vaccines in the current compulsory schedule • List the infectious agents targeted by each of these vaccines • For each disease, briefly describe epidemiology and mode of transmission • To identify the type of vaccine (live vs. inactivated), and route of administration • To enumerate the side effects of each vaccine • To be able to identify the groups who should take the vaccine, and when the vaccine is contraindicated 	L
4	Emerging Infectious Diseases (part 1) <i>Respiratory Tract Diseases: Influenza, MERS-Cov, SARS-Cov</i>	<ul style="list-style-type: none"> • Understand the viral antigenic variations of influenza virus • List the different hosts for influenza (according to influenza type), MERS-Cov and SARS-Cov • Be familiar with the famous pandemics for each of these viral infections, and measures used to contain spread • Identify the different elements in the infection cycle for these viral infections • Provide appropriate prevention and control measures for each of these viral infections 	L
5	Tuberculosis	<ul style="list-style-type: none"> • Understand the epidemiology and global burden of TB • List the sign and symptoms and risk factors of different types of TB, with particular emphasis on pulmonary TB • Describe trends and state reasons for resurgence of pulmonary TB 	L

		<ul style="list-style-type: none"> List population subgroups at risk for pulmonary TB Draw the cycle of infection of pulmonary TB Outline procedures for community diagnosis of pulmonary TB with emphasis on the limitation of each procedure Describe measures for prevention and control for pulmonary TB To decide on the best measures for prevention and control of pulmonary TB and to prevent spread to susceptible population Describe the role of WHO to address the global burden of TB, particularly directly observed therapy short course (DOTS) for pulmonary TB 	
6	Emerging Infectious Diseases (part 2) <i>Blood-borne Diseases:</i> <i>Hepatitis A, B, C</i>	<p>Hepatitis:</p> <ul style="list-style-type: none"> Understand classification of viral hepatitis Recognize global burden, epidemiology, and risk factors of viral hepatitis infections Enumerate modes of transmission of different serotypes Provide measures of prevention and control Recognize the epidemiology, burden of disease, and National measures to prevent spread of viral hepatitis in KSA <p>HIV:</p> <ul style="list-style-type: none"> Describe the epidemiology and global burden of HIV/AIDS infection Describe how people get infected with HIV Understand the global initiatives to combat the rising burden of the disease Learn the features which characterize the pandemic in the EMR Recognize the epidemiology, burden of disease, and National measures to prevent spread of viral hepatitis in KSA Differentiate what could work best, as far as prevention and control efforts are concerned, in our region 	L
7	HIV		
8	Malaria	<ul style="list-style-type: none"> Understand the epidemiology and global burden of malaria Understand the cycle of infection of malaria Define modes of transmission, clinical features, risk factors, community diagnosis and treatment for malaria Enlist the factors responsible for antimalarial drug resistance Understand the role and measures taken by WHO to combat the burden of Malaria globally Enlist the global measures of prevention and elimination for Malaria Understand the epidemiology and risk factors related to Malaria in KSA 	L
9	National Zoonotic Diseases	<ul style="list-style-type: none"> To understand the most important zoonotic diseases of public health significance in Saudi Arabia: <ul style="list-style-type: none"> Brucellosis Bovine TB ? Mers-Cov (transmitted from camels) ? To understand the burden (globally and nationally) of these diseases Understand the epidemiology of these infections in Saudi Arabia To define the modes of transmission for the infectious agents responsible for these diseases 	S

		<ul style="list-style-type: none"> To list factors for acquiring these infections To enumerate the global measures needed for prevention and control of these diseases To describe the measures taken by the government (health sector and agricultural sector) to prevent and control these infections 	
10	Outbreak Investigation	<ul style="list-style-type: none"> Understand what constitutes to an outbreak Distinguish between endemic and epidemic Learn the importance of investigating an outbreak List the steps of an outbreak investigation Describe types of studies used to investigate an outbreak Read an epidemic curve and use it in estimating the incubation period Calculate the attack rate from outbreak investigation data 	L
11	Outbreak investigation <i>Practical</i>	<ul style="list-style-type: none"> To apply the steps for an outbreak investigation (in a simulation form) To learn how to work in teams To approach an outbreak investigation in a systematic matter To collect information about important indicators needed to solve an outbreak (history, physical examination and laboratory testing) To form a line list for the outbreak using the information collected during the practical session To conduct a quick epidemiologic investigation using information collected from the line-list To calculate attack rates for different risk factors <p>To write a short report about the outbreak investigation experience</p>	P
12	Reporting and Surveillance	<ul style="list-style-type: none"> Define surveillance Know aims and uses of surveillance system Understand the different types of surveillance systems Recognize the elements of surveillance system Be able to assist in establishing and evaluation a surveillance system 	L
13	Reporting and Surveillance <i>Practical</i>	Will be decided by the facilitator, based on the practical exercise designed	T
14	Hajj and Health	<ul style="list-style-type: none"> Enlist the diseases and health risks related with gathering of Hajj Understand the sing and symptoms and prevention of these diseases Understand the importance of surveillance and reporting of these diseases at the national and International level Appreciate KSA's efforts to address and recognize the health risks and diseases during Hajj 	L

Non- Communicable diseases

Introduction to Non-communicable Disease (NCDs) Prevention and Control	<ul style="list-style-type: none"> • Definition of non-communicable diseases • Epidemiology of non-communicable diseases • Disability as a consequence of NCDs • Goals of NCD prevention and control • Current challenges in NCD control • Discuss and understand the global frame work of prevention and control of NCDs 	L
Methods of prevention and control in NCDs	<ul style="list-style-type: none"> • Epidemiology as a method to understand the nature, extent and causes of NCDs. • Interventions for NCD control • Intrapersonal approaches for NCD control • Interpersonal approaches • Organizational level interventions • Community factors in NCD control • Health Policy and Legal Interventions 	L
Social determinants of NCDs	<ul style="list-style-type: none"> • Define the social determinants of NCDs • Discuss the significance, high risk groups and health consequences of social determinants of NCDs • Material conditions needed for individual and community well-being • The relationship between SES and health-risk behaviors • Psychosocial risk factors influencing NCDs • Neighborhood factors influencing NCDs • Evidence-based approaches to improving the social determinants of NCDs 	L
Risk factors for NCDs	<ul style="list-style-type: none"> • Define selected NCD risk factors, such as, Tobacco use, Diet and Nutrition, Physical activity, Obesity and Overweight • Present the epidemiology and significance of those risk factors globally and in KSA • Discuss causes, high risk populations and consequences of the NCD risk factors • Screening of the selected risk factors for NCD • Examples of evidence-based interventions to prevent and control those risk factors 	L
Tobacco Use	To be finalized by the faculty	S
Physical Activity, Nutrition, Obesity and Health	To be finalized by the faculty	S
Diabetes	<ul style="list-style-type: none"> • Understand Global prevalence of diabetes • Understand the Epidemiology of diabetes in KSA • List the risk factors of diabetes • List complications of diabetes • Discuss preventive measures within the framework of NCDs • Screening of Diabetes • Know preventive programs in KSA towards DM 	L
Cancer 13	<ul style="list-style-type: none"> • Appreciate the Global impact of cancer 	L

	<ul style="list-style-type: none"> • Identify the most prevalent cancers world wide, in the region and in KSA • Identify the leading causes of cancer deaths • Understand the cancer control continuum and explain its implication to public health • Screening for cancer • Understand and reflect the Kingdoms efforts to control the rising burden of Cancers in KSA • Explain important factors and trends affecting cancer control and directions for future research 	
Cardiovascular Diseases	<ul style="list-style-type: none"> • Appreciate the Public health significance of CVD • Descriptive CVD Epidemiology • Present the risk factors, high risk groups and complications of CVDs • Screening strategies for CVDs <p>CVD Prevention and control measures globally and in the local context</p>	L
Injury	<ul style="list-style-type: none"> • Describe the concepts of injuries, why do they occur and their epidemiology • Describe important differences between various types of injuries (what is meant here? Intentional and unintentional?) • Understand principles of injury prevention and control • Appreciate the burden of injuries in KSA • Apply injury epidemiology principles to road traffic incidents 	L
Road traffic accidents in KSA	<ul style="list-style-type: none"> • To be finalized by the concerned faculty 	S
<u>Tutorial 6</u> NCD Prevention	<ul style="list-style-type: none"> • To apply the concepts of NCD epidemiology, • (With help of scenarios, students will work in smaller groups, and application of concepts of NCDs will be discussed in details) • here different here prevention and control 	T

Miscellaneous block

Global Health Programs & Policies	<p>Understand what is a health policy</p> <p>Understand why health policies are needed?</p> <p>Differentiate between macro and micro policies</p> <p>Factors that need to be assessed while formulating a health policy</p>	L
Saudi Arabia Health Systems	<p>Discuss how health policies are formulated in KSA</p> <p>Discuss and analyze health policies of last 3 years in KSA</p>	S
Health Education and Promotion (Concepts)	<p>Define "health education" and state its aims</p> <p>Explain the role of health education in relation to the stage of disease prevention</p> <p>Identify the factors that influence human behavior</p> <p>Discuss the factors that contribute to behavior change</p> <p>Define learning and identify the domains of learning</p> <p>Outline the Health Belief Model of behavior change</p> <p>Describe the trans-theoretical model of stages of motivation</p> <p>List the direct and indirect methods of communicating health messages</p> <p>State the strength and limitation of each method of communicating health messages</p> <p>State the types and values of audiovisual aids in facilitating the transfer of health</p>	L

	message	
Health Education in Community setting	To apply concepts of health education and formulate health education messages regarding promotion of breast feeding, smoking cessation, TB, and Malaria control	T
Health Education in Clinical settings	To be able to provide counseling regarding benefits of breast feeding, DM prevention, Obesity reduction...through role plays	S
Global School Health Services	<p>Define school health services</p> <p>List components of school health</p> <p>Define responsibilities of school health team members</p> <p>Define functions of school health programs</p> <p>Highlight the importance of research in school health programs</p>	L
School Health in KSA	<p>Discuss global school health services provision models</p> <p>Discuss the status of school health programs in KSA</p> <p>Suggest an outline for a school health program in KSA OR brief outline of a research proposal in the area of school health</p>	S
Health of People with Disabilities	<p>Distinguish between health and quality of life</p> <p>Portray with a diagram the spectrum of health</p> <p>Develop an understanding to the concept of disability</p> <p>Compare between the medical model and social model of disability</p> <p>Explain the strengths of the ICF in mapping disabilities, prevention and interventions</p> <p>Distinguish between capacity and performance</p>	L

	<p>State the main health conditions associated with disability</p> <p>List the disabling barriers</p> <p>Outline the interventions for prevention of disabilities and rehabilitation</p>	
Health of People with Disabilities in KSA	<p>Understand the burden of disabilities in KSA</p> <p>Reflect on the policies in KSA on addressing the limitations of disabled people in KSA</p>	S
Global Geriatric Health	<p>Defrrentiate between Geriatrics and Gerontology</p> <p>Describe physiological and pathological aging</p> <p>Understand health problems of elderly globally</p> <p>Explain the demographic changes associated with ageing of the population</p> <p>Discuss existing Global programs for elderly care</p>	L
Geriatric health in KSA	<p>Explain the demographic changes associated with ageing of the population in KSA</p> <p>List the health and social problems associated with ageing in KSA</p> <p>Describe the interaction between physical ill-health, social problems, psychological problems and functional limitations</p> <p>State the top ten causes of years lived with disability, disability adjusted life years lost and death among elderly 70+ years in KSA</p> <p>Outline the aims and aspect of elderly care in KSA</p>	S
Global Maternal Health	<p>Understand the maternal health issues globally</p> <p>Understand the causes of maternal deaths and mortality</p>	L

	Understand the interventions done globally to decrease maternal deaths and morbidity	
Global Adolescents & Child Health	Understand what are adolescent and children health issues globally and the burden of diseases in this age group Discuss major global interventions that are to address mortality and morbidity in adolescents and children	L
Maternal, adolescents & child health in KSA	Analyze the status of maternal, adolescent and child health in KSA Reflect on the existing health policies targeting these groups Special emphasis on the Maternal and child passport intervention in KSA	S
Global Mental Health	Understand the definition and etiology of mental health Discuss the global magnitude of mental illnesses based on GBD List and classify the factors contributing to the occurrence of mental illnesses Define stigma and explain its consequences on mentally ill patients, their families and treatment outcome Understand the principals of preventing mental illness	L
National Mental Health Perspective (access, stigma and prevention)	Understand the burden of mental health diseases in the Kingdom Appreciate its importance on the national health agenda Understand the principals of preventing mental health diseases in KSA....Discussing reference to the initiatives of the Eastern province	s
International Health Regulations	What are International health regulations? Why are they needed? What strategies are globally adopted to control public health related diseases? what are the challenges faced by different	L

	countries while implementing IHR? INR in Saudi context.	
Travel Medicine	<p>Define travel medicine and identify its components</p> <p>List the groups of travelers who are at a special risk (infants children, pregnant women, elderly, pre-existing illnesses, diabetics)</p> <p>State the responsibilities of travelers to prevent ill-health</p> <p>List the risk associated with international travel and related health problems</p> <p>Outline the specific preventive measures for international travelers in relation to the destination</p> <p>Enlist contents of travel kit</p>	L

Female Teaching Schedule for COMM 311

Academic Year 2018-2019

Female	Lectures/Tutorials Part I	Instructors-Female	Lecture/ Seminar/ Tutorial
03/09/2018 10 – 11 AM	Introduction to Community Medicine (Course introduction)	Dr.Hafsa	L
INTRODUCTION TO PUBLIC HEALTH CONCEPTS			
05/09/2018 8 – 9 AM	Terminology in public health	Dr. Rufaidah	L
09/09/2018 11 – 12 PM	Natural history of disease and concepts of prevention and control	Dr. Shatha	L
09/09/2018 10 - 11 AM	Determinants of Health	Dr. Nurah	L
16/09/2018 1 – 2 PM	Health indicators	Dr. Afnan	L
19/09/2018 8 – 9 AM	<u>Tutorial 1</u> Health indicators	Drs Afnan, Marwah, Khawater, Leena	T
26/09/2018 8– 9 AM	Global demography concepts & Population Pyramid	Dr Rufaidah	L
27/09/2018 8– 9 AM	National population Dynamics & Demographic Transition	Dr Nurah	L
30/09/2018 2 – 3 PM	<u>Tutorial 2</u> Demography (Rates & Population Pyramid)	Drs Rufaida, Marwah, Khawater, Leena	T
01/10/2018 10 – 11 AM	Screening	Dr Nurah	L
03/10/2018 8 – 9 AM	<u>Tutorial 4</u> Screening	Drs Nurah, Leena, Marwah, Khawater	T
COMMUNICABLE DISEASES			
08/10/2018 1 – 2 PM	Introduction to Communicable Diseases	Dr Rufaidah	L
14/10/2018 8 – 9 AM	Principles of Immunization	Dr. Shatha	L
16/10/2018 9 - 10 AM	Compulsory Vaccination schedule in KSA	Dr. Marwah	S
01/11/2018 8 – 10 PM	Emerging infectious diseases (part 1) Respiratory (2 hr)	Dr Nurah	L
07/11/2018 3 – 4 PM	Tuberculosis	Dr Hafsa	L
08/11/2018 9 – 10 AM	Emerging infectious diseases (part 2) HIV/AIDS	Dr. Hafsa	L
15/11/2018 10 – 11 AM	Hepatitis	Dr. Afnan	L
15/11/2018 11 – 12 AM	Malaria	Dr Shatha	L

19/11/2018 1 – 2 PM	Regional zoonotic diseases (Brucellosis, ?)	Dr Rufaidah	S
20/11/2018 3 – 4 PM	Hajj and health (meningitis, prophylaxis)	Dr. Afnan	L
25/11/2018 1 – 2 PM	Outbreak Investigation	Dr. Rufaidah	L
28/11/2018 8 – 9 AM	Reporting & Surveillance	Dr Shatha	L
05/12/2018 9 - 12 PM	<u>Practical</u> Outbreak Investigation	Drs. Rufaidah, Marwah Leena, Khawater	P
07/12/2018 10 – 11 AM	<u>Tutorial 3</u> Notification/Reporting & Surveillance	Drs Shataha, Marwah, Leena, Khawater	T
NON-COMMUNICABLE DISEASES			
07/12/2018 11 – 12 AM	Introduction to Non-communicable Disease (NCDs) Prevention and Control	Dr. Hafsa	L
06/01/2019 11 - 12 AM	Methods of prevention and control in NCDs	Dr. Nurah	L
21/01/2019 1 - 2 PM	Social determinants of NCDs	Dr Rufaida	L
04/02/2019 8 - 9 AM	Risk factors for NCDs	Dr Hafsa	L
07/02/2019 9 – 10 AM	Tobacco Use	Dr. Leena	S
07/02/2019 10 – 11 AM	Physical Activity, Nutrition, Obesity and Health	Dr Marwah	S
10/02/2019 9 – 10 AM	Diabetes	Dr. Hafsa	L
Mid-year Vacation			
12/02/2019 3– 4 PM	Cancer	Dr. Hafsa	L
13/02/2019 3– 4 PM	Cardiovascular Diseases	Dr. Rufaidah	L
14/02/2019 10 – 11 AM	Injury	Dr. Afnan	L
14/02/2019 3-4 PM	Road traffic accidents in KSA	Dr. Khawater	S
17/02/2019 8 – 9 AM	<u>Tutorial 6</u> NCD Prevention	Drs. Hafsa, Resmieh, Marwah, Khawater	T
ENVIRONMENT AND OCCUPATIONAL HELATH			
19/02/2019 10-11 AM	Introduction to Environmental Health and hazards	Dr. Rufaidah	L
19/02/2019 11 – 12 AM	Diseases related to environmental hazards	Dr. Shatha	L
21/02/2019 10 – 11 AM	Introduction to occupational health	Dr. Afnan	L
28/02/2019 10 – 11 AM	Diseases related to occupational hazards	Dr. Hafsa	L
05/03/2019 9 - 10 AM	Strategies for prevention and control for environmental and occupational diseases	Dr. Shatha	L
05/03/2019 10 - 11 AM	Mass-gathering and related hazards	Dr. Nurah	L
12/03/2019 3 – 4 PM	Heat stroke & Heat exhaustion	Dr. Khawater	S
MISCELANEOUS BLOCK			

13/03/2019 8- 9 AM	Global Health Programs & Policies	Dr. Nurah	L
14/03/2019 9 - 10 AM	Saudi Arabia Health Systems	Dr. Rufaidah	L
14/03/2019 10 - 11 AM	Health Education and Promotion (Concepts)	Dr Resmeh	L
14/03/2019 11 - 12 PM	Health Education in Community setting	Drs Rasmeh, Marwah, Khawater, Leena	T
14/03/2019 2 - 3 PM	Health Education in Clinical settings	Dr Shatha, Marwah, Khawater, Leena	T
17/03/2019 8 - 9 AM	Global School Health Services	Dr Hafsa	L
18/03/2019 8 - 9 AM	School Health in KSA	Dr Marwah	S
18/03/2019 3 - 4 PM	Health of People with Disabilities	Dr Shatha	L
19/03/2019 8 - 9 AM	Health of People with Disabilities in KSA	Dr Khawater	S
19/03/2019 9-10 AM	Global Geriatric Health	Dr Nurah	L
19/03/2019 3 - 4 PM	Geriatric health in KSA	Dr. Leena	S
19/03/2019 2- 3 PM	Global Maternal Health	Dr. Hafsa	L
20/03/2019 8 - 9 PM	Global Adolescents & Child Health	Dr. Hafsa	L
20/03/2019 3-4PM	Maternal, adolescents & child health in KSA	Dr. Marwah	S
21/03/2019 8 - 9 AM	Global Mental Health	Dr Rufaidah	L
21/03/2019 9 - 10 AM	National Mental Health Perspective (access, stigma and prevention)	Dr Rufaidah	S
21/03/2019 10-11AM	International Health Regulations	Dr. Nurah	L
21/03/2019 3-4PM	Travel Medicine	Dr Afnan	L

