

Courses	Course Description	goals	the reviewer
<b>Basics of Nutrition</b>	This course will introduce the strategic role of food in the world, sources and components of food, the importance of each element and the consequent nutrition or health problems resulted from the increase and decrease amount of food as well as changes t	Teaching the subject in power point available to students. Increased use of electronic based reference material. Content following the most recent research in the field. Some of the topics are planned to be added to related modules. Tutorials are improv	Ruth A. Roth, MS, RD (2011) Nutrition and diet therapy 10th edition Indiana/Purdue University, Fort Wayne, Indiana Michael J Gibney. Susan A Lanham-New. Aedin Cassidy. Hester H Vorste. 2009. The nutrition Society textbook. Introduction to Human Nutrition.
<b>Physiology</b>	This course has been designed to provide students the basic knowledge in physiology of cardiovascular system, respiratory system, digestive system, renal system, endocrine system, reproductive system, physiology of nervous system and different functions o	<ol style="list-style-type: none"> <li>1. Updating the content of lectures periodically to new research finding</li> <li>2. Encourage using of various scientific web sites as references</li> <li>3. Introduce the recent teaching strategies .</li> <li>4. Increase the use of software (3 D) instead of models</li> <li>5. Increase t</li> </ol>	Ross and Wilson's Anatomy and Physiology 10th Edition; ISBN: 13978-0-443-10101-4 Watson, R.; Fibiol, R. and Frasa, T.: Anatomy and physiology for nursing, 12th ed., Philadelphia: Bailliere Tindall Title. ( most recent edition). Ganong : Textbook of physi
<b>Food Safety</b>	The course Food Safety prepares students to contribute in reducing the public health, social and economic burden of food borne diseases and intoxication. Food	to define the reasons of food poisoning and contamination, ways of treatment, standards and regulations necessary for healthy food, measurement of	Adams, Martin R, Motarjemi, Yasmine & WHO Food Safety Programme. (1999). Basic food safety for health workers / Martin Adams and Yasmine Motarjemi. Geneva : World Health Organization.

	borne diseases and intoxication are leading causes of illness and death worldwide, according to	pollution and food borne diseases and health risks related to food	<a href="http://www.who.int/iris/handle/10665/65992">http://www.who.int/iris/handle/10665/65992</a> Rajul Kumar Gupta, Puja D
<b>Demography</b>	Demography and its application are very important for public health. This course encompasses various aspects and dynamics of human population. It is designed to acquire basic knowledge in demography and understanding the inter-linkages between population	Historical trends of population and future planning Vital statistics Practical applications Demographic rules techniques and applications.	Demographic Methods: Andrew Hinde, oxford university press The methods and materials in demography (2004) by Henery S. Shrylock, David Swanson & Jacob S Siegel.
<b>Microbiology</b>	This course covers and demonstrate the ability to assimilate and integrate information from lectures, practical sessions, tutorial and independent activities on the medical microbiology. It also envisages to have experience to learn fast through group dis	1. Teaching the subject from text book (2 text books are available for the students in the faculty's library). 2. Increased use of electronic based reference material 3. Content following the most recent findings in the field 4. Tutorials are improved by p	Lippincott's Illustrated Reviews Microbiology (3rd edition) by Richard A. Harvey, Cynthia N. Cornelissen, Bruce D. Fisher. 2015 Medical Microbiology (7th edition) by Murray, Rosenthal, Pfaller. 21014
<b>Heath Ethics</b>	In this course, the student will be teaching the ethics derived from Islamic values and principles for a duration of one semester. Teaching of the course will be	Define terminology used in Ethics of Health Professions, its concept and principles, Realize the great value of adoption of Islamic Ethics with	

	based on lectures/seminars, self-study and discussion sessions. Integration will be achieved	patient and society, Develop appropriate knowledge, skills and attitude pertaining to management of different	
<b>Water Safety and Sanitation315</b>	The purpose of this course is to enable public health graduate students to know the importance of water in life and its relation to disease incidence and prevalence and the requirements for supplying communities with safe and quality water. The Millennium	Definition of water sanitation. Definition the basics of water sanitation and its role as a vital component in environmental sanitation. Define the water sources and methods of biological, microbial, chemical and radioactive contamination during the wate	MDE Environmental Health 3rd edition. Dade W Moeller. Harvard University. London. 2005. CHAPTER 3 PHYSICAL-CHEMICAL CHARACTERISTICS OF WATER D.B. Walker, M.L. Brusseau, and K. Fitzsimmons WHO GUIDELINES FOR DRINKING-WATER QUALITY Haward Frumkin. 2010. Env
<b>Environmental Health</b>	By the end of this course the students will demonstrate the ability to assimilate and integrate information from lectures, practical sessions, tutorial, and independent activities on the Environmental Health. Student will demonstrate the ability to gain p	demonstrate the ability to gain practical skills enabling him to recognize and differentiate the impact of environment on human health. demonstrate the ability to apply his basic knowledge and cognitive skills to solve problems and understand some relate	H. Frumkin (2010). Environmental health From Global to local. 2 Edition ISBN 978-0-470-40487-4 Y.K.Singh (2006). Environmental Science . ISBN (10): 82-224-2330-2

<b>Health Economics</b>	Health Economics course contains an introduction to the economics and its relation to the public health in terms of the definition of health, health care and basic concepts of health economics. Also the course includes the theory of demand and supply and	Understand the basics of health and health service system and its relation with economics. Identify issues relevant to health policy like the concept of Demand and Supply. Know the definition of markets and the factors which affect the market in context o	
<b>Health Administration</b>	Health administration is one of the most important branch of public health .The purpose of this course is to make student familiar with the principles of general management and administration, health administration and health system ,Leadership qualities	Define healthcare management and its components like planning, organizing, staffing, controlling etc. Understand the difference between leadership and management. Importance of motivation in management and process of motivation. Understand the organizatio	Sharon B. Buchbinder, Nancy H Shanks, Introduction to healthcare management, Jones & Bartlett learning, second edition.
<b>Biostatistics</b>	The primary goal of this course is to introduce students to principles of applied biostatistics and its applications in different public health fields, to build efficient statistical models, analysis, and	Understand the history and evolution of the field of modern biostatistics. Distinguish and understand the differences between nominal, ordinal, interval and ratio	Wayne W. Daniel, Chad L. Cross.,Biostatistics: A Foundation for Analysis in the Health Sciences, 6 or 10th Edition willey series.

	interpretation. It also directs students' attentio	scales. Understand the way in which basic concepts of probability and random variation are r	Shincow Campbell. Statistics at square one. Last edition, BMJ Publishers ...
<b>Parasitic Diseases</b>	This course gives enough emphasis to get adequate knowledge about the various parasitic diseases of medical importance, their epidemiological aspects, their prevention & control, investigation and confirming the clinical diagnosis.	<ul style="list-style-type: none"> <li>- Know parasites- borne diseases.</li> <li>- Learn about the epidemiology of parasitic diseases.</li> <li>- Planning for prevention and control of these diseases.</li> <li>- Learn about how to identifying samples from different sources for laboratory testing (in vitro).</li> <li>- Diagno</li> </ul>	<p>Clinical Parasitology: A Practical Approach, Second edition, written by Elizabeth Zeibig, published by Saunders, ISBN-13: 978-1416060444, (November 19, 2012)</p> <p>Clinical Parasitology: A Practical Approach, Second edition, written by Elizabeth Zeibig, publish</p>
<b>Communicable Diseases</b>	This course focus on identification (case definition, diagnosis) , causative agent , reservoir , methods of transmission, incubation period, period of communicability, epidemiology, prevention and control for each communicable disease.	identify factors that cause and determine the distribution of communicable diseases and understand the mechanisms of infectious disease transmission and will be able to select specific preventive measures in the control of particular diseases	<p>Control of communicable diseases manual David L. Heymann (American public health association 20th edition 2015).</p> <p>Communicable Diseases Control Handbook By: J.Hawker/N.Begg 2nd. Edition. Pg 1-10</p> <p>Principles &amp; Practice of Infectious Diseases By Mandell, Doug</p>
<b>Vector Control</b>	The subject of vector and their control continues to be of great	The relation between insects and disease transmission.	Mike Service (2012). Medical Entomology for Students, 5th edition. Cambridge

	importance. Arthropod borne diseases such as malaria, yellow fever, dengue and filariasis continue to cause considerable human suffering and death. Problems in animal production, wildlife an	The different vector of disease . The relation between Rodent and disease transmission . The relation between pesticide and public health	University Press. ISBN: 978-1-107-66818-8 Paperback.
<b>Health Cities</b>	The main purpose of the present course is to introduce the students to urban areas, their challenges in term of environment and health. Healthy cities program primarily focuses on the health issues & their sustainable & community-based solution of the low	At the end of this course the student is expected to: - Understand the concept of Urbanization & Healthy Cities. - Understand and identify the interdisciplinary factors that contribute to the healthy urban cities like administration, education, health, sa	Goel, S.L.(2009).Education for Healthy Urban Cities. New Delhi: Deep & Deep Publications PVT. LTD. Takano, T. (2003). Healthy cities and urban policy research (1st ed.). London: Spon Press.
<b>Occupational Health</b>	The student is expected to know different occupational health hazards including physical, chemical, biological, social agents and accidents. Students are expected to know occupational exposure conditions and methods of environmental monitoring and to appl	To identify different occupational health hazards, To know roles of occupational safety and preventive measures, To recognize compensation regulations for occupational diseases and accidents. To develop capabilities to identify occupational diseases,	Roger Detel et al. Oxford textbook of global Public health. Sixth edition, volume 1. In Our Library WHO: Occupational health: a manual for primary health care workers. WHO 2001

<b>Health Education</b>	Health education course is intended to enable the students to understand the concept of health education. It also focuses on the importance of health education in the perspective of public health. It throws the light on various methods of health education	This course enable the student to have idea about Health Education, Methods, Technology	Gilbert, G. & Sawyer, R. (2000). Health Education: Creating Strategies for School and Comm Health (2nd ed.). Sudbury, Massachusetts: Jones & Bartlett Learning. Edelman, C., Mandle, C., &Kudzma, E. (2013). Health Promotion Throughout the Life Span (8th ed
<b>Disaster Management</b>	The course contains the concepts of disaster, disaster management, the different terminology used in disaster management, methods of disaster management, negative impacts of disaster, readiness for disaster and risks associated with it. In addition, the c	disaster management, the different terminology used in disaster management, methods of disaster management, negative impacts of disaster, readiness for disaster and risks associated with it. In addition, the course indicates the use of early alert system	Coppola, P.D.(2011).Introduction to International Disaster Management(2nd edition).Burlington, USA: Butterworth-Heinemann.
<b>Quality Management</b>	This course aims to provide students with the concepts and the scientific basis related to planning and total quality management (TQM), particularly the important theories and approaches of TQM.	to provide students with the concepts and the scientific basis related to planning and total quality management (TQM), particularly the important theories and approaches of TQM. Students	Elizabeth ,R., Ransom ., Maulik ,S., Joshi ., David ,B., Nash ,& Scott ,B.(2008 The.Health care quality book (2nd edition).Foundation of the American Collage of health care Executives USA.

	Students will also focus on the requirements for successful	will also be provided with the important requirements for successful	
<b>Evidence Based Practice</b>	The basic goal is to introduce Public Health students to the principles & processes of evidence-based practice. It aims at improving the understanding of concepts of evidence-based practice & directs students' attention to the importance of scientific res	<ul style="list-style-type: none"> <li>-Apply concepts of evidence based practice</li> <li>-Develop capabilities to criticize scientific articles on sound basis</li> <li>-Develop capabilities to plan research work</li> <li>-Develop capabilities to use research work in public health practice</li> </ul>	<p>Melnyk BM, Ellen Fineout-Overholt. Evidence-based practice in nursing &amp; healthcare: a guide to best practice. 2nd ed. Wolters Kluwer Health Lippincott Williams &amp; Wilkins; 2011</p> <p>Donna Ciliska , Helen Thomas , Cathy Buffett. An Introduction to Evidence-Infor</p>
<b>Research Methodology</b>	This course will introduce the basics of research methodology and its concepts: designs and methods, statistical analysis: and interpretation of data. This course advances the student's understanding of selected research methods and conduct research progr	<p>to read and assess scientific texts critically and to apply this knowledge in developing Public health.</p> <p>An adequate research skills to conduct research to improve work practice. Students work in small groups to develop a proposal for a research project r</p>	
<b>Infection Control</b>	Infection control course is intended to enable the students to understand the concept of	Learn about the role of team of infection in health facilities and public	Michael Kenamer. Basic Infection Control for Healthcare Providers. 2006; Delmar Cengage Learning.



	transmission and prevention of infection . It also focuses on the importance of infection control in the perspective of Public Health. It throws the light on various	<ul style="list-style-type: none"> <li>- Acquire the skills to do the work of the survey and collect data on infection</li> <li>- Apply the proper methods used to fight infection and methods of application</li> <li>- Development of capa</li> </ul>	
<b>Fundamentals of Epidemiology</b>	Fundamental to epidemiology covers the principles and methods of epidemiologic investigation including describing the patterns of illness in populations and research designs for investigating the etiology of disease. Introduces quantitative measures to d		Introduction to Epidemiology, Fifth Edition (Paperback): Ray M. Merrill, (2010), Jones & Bartlet Publishers, LLC
<b>Anatomy</b>	This course includes the study of the human anatomy with all the different systems, including bones, muscles and joints, the nervous system, the digestive system, the respiratory system, the circulatory system, the urinary and reproductive system, and the		Ross and Wilson's Anatomy and Physiology 10th Edition; ISBN: 13978-0-443-10101-4
<b>Public Health Communication</b>	This course enable the student to have better idea about	The purpose of communication skills course is to empower the	Ludden, M. J.( 2002). Effective Communication Skills: Essential Skills for

	communication e-learning can play a good role i.e. using audio visuals related to communication skills and the type of communication one can make students more efficient and effective in the field o	students with the skills used in effective communication and make them able to transfer and receive the message in an effective and efficient manner especially in the public health sector. This	Success in Work and Life(2nd ed.).Indianapolis, IN: JIST Publishing, Inc. page 1-25/ 27-43 /67-78 /79-93/ 107-120. Allender,JA. Community health nursing promoting &protecting the
<b>Healthcare services and policy</b>	Main aim of this course is to introduce the students to History of healthcare system in Saudi Arabia Basic characteristics of health care system, The health service organization, The structure of health service organization, Functions and delivery of se	Define community, and healthcare system and health policy. Understand the structure and the functions of healthcare system. Understand the historical background of Saudi healthcare system. Understand the concept of quality and ethics in public health and	Black, N., & Gruen, R. (2009). Understanding health services. Maidenhead: Open University Press Williams, S. J., & Torrens, P. R. (2008). Introduction to Health Services (7th ed.). Delmar: Cengage Learning. Shi, L., & Johnson, J. A. (2014). Public Health
<b>Principles of Epidemiology</b>	This three credit-hour course offers an introduction to the principles, concepts, and methods of population-based epidemiologic research. The course will provide an	introduce different methods used in prevention and control of infectious and non-infectious diseases.	Introduction to Epidemiology, Fifth Edition (Paperback): Ray M. Merrill, (2010), Jones & Bartlet Publishers, LLC

	understanding the basic principles of epidemiology and the measures used in epidemiology,		
<b>Medical Terminology</b>	The course aims to provide the basic understanding of the terms used in the field of medicine, and public health as a whole. This course enables students to communicate and interpret the language commonly used in the medical reports, health records and in	Describe plural and singular forms of common medical nouns. Explain how combining roots (stems), suffixes and prefixes creates medical terms. List common root of body parts. Recognize pronouncing, spelling, medical terms used in the text. List terms perta	Leonard, Peggy C. (2014). Quick & easy medical terminology.7th ed. Elsevier. Inc.
<b>Foundation of Public Health</b>	The central course question addressed is “What is the history and enterprise of public health?” In learning the answer, the course explores population health, health equity, sustainability and climate change, and, of course, the public health enterprise.	<ul style="list-style-type: none"> <li>• Achieve familiarity with the various components of the public health system</li> <li>• Understand interrelationships among the system's components</li> <li>• Acquire the ability to apply this knowledge and understanding to important health issues and problems</li> <li>• Acquire a</li> </ul>	Holland, W. W., Detels, R., & Knox, E. G. (2011). Oxford textbook of public health. Oxford University Press. Park, K. (2017). Parks textbook of preventive and social medicine. India: Bhanot

<p><b>Non Communicable Diseases</b></p>	<p>This course gives an overview of the chronic diseases, health problems in developed and developing countries, and its prevention and control methods. It also emphasize the need of hour by means of explaining the trend, prevalence, incidence, epidemiology</p>	<p>identify factors that cause and determine the distribution of communicable diseases and understand the mechanisms of infectious disease transmission and will be able to select specific preventive measures in the control of particular diseases</p>	<p>Park`s textbook of preventive and social medicine K. Park 2017 24th edition Page No. 145-151 380-432  Roger Detel et al. Oxford textbook of Public health Fifth edition 2009 . In Our Library</p>
<p><b>Health and Social Behaviors</b></p>	<p>This course presents current knowledge about links between health and behavior, about the influence of the social environment on these behaviors, and about interventions to improve health through modifying behavior or personal relationships. It also addre</p>	<ul style="list-style-type: none"> <li>• Identify basic theories, concepts and models from a range of social and behavioral disciplines that are used in public health research and practice.</li> <li>• Identify causes of socio-behavioral factors affecting individual and population health.</li> <li>• Identify ind</li> </ul>	<p>Institute of Medicine 2001. Health and Behavior: The Interplay of Biological, Behavioral, and Societal Influences. Washington, DC: The National Academies Press. <a href="https://doi.org/10.17226/9838">https://doi.org/10.17226/9838</a>.</p>
<p><b>Applied epidemiology</b></p>	<p>The course content includes presentations and discussions of epidemiologic principles, basic statistical analysis, public health surveillance, field investigations, surveys and sampling, and</p>	<p>This course aims at enhancing the understanding of concepts of epidemiology (Learned in the earlier course) with emphasizing on its application in the field of Public health</p>	<p>Roger Detel et al. Oxford textbook of Public health .section 5  Michael B. Gregg, field epidemiology , Oxford textbook, third addation  k.park, Park textbook, preventive and social medicine ,23th</p>

	discussions of the epidemiological aspects of current major heal		
<b>Aging and Public Health</b>	The student is expected to define aging and its related concepts like geriatrics, gerontology, ageism, explain the causes of decreased elders' vitality, recognize the impact of recent demographic changes on the society, and know the effect of ageism on th	Describe the major characteristics of each condition Describe the basis for diagnosing each condition Discuss the treatment options for each condition Discuss the general principles of geriatric management of interacting conditions Describe condition-	Mauk K. L. (2014 ). Gerontological nursing: competencies for care (3rd ed)., New york, Jones & Bartlett Learning Company. Kane R.L., Ouslander J.G., Abrass I.B. and Resnick B. (2013). Essentials of Clinical Geriatrics (7th ed)., New York, Mc Graw Hill C
<b>Global Health</b>	This course emphasizes the importance of Global Health, its introduction in detail, its history, role of international organizations, international health regulations, Importance of environmental health in ports and travel areas. It also envisages the pri	Recognize the importance of ports in maintaining national and international health status. - Recognize the international health regulations and discuss their role in national and international health. Recognize the international health regulations and dis	World Health Organization (WHO, 2005). International Health Regulation 2005, (3rd edition). WHO Library Cataloguing-in-Publication Data. ISBN 978 92 4 158049 6. Anne- Emanuelle Birn; Yogan Pillay; Timothy (2009). Textbook of International Health: Global
<b>Maternal and Child Health Care</b>	The student is expected to learn basic concepts of Maternal and child health, namely importance	Know the importance of maternal and child health, and causes of maternal and child	Park's Textbook of Preventive and Social Medicine. 25th Edition. Banarsi Bhanot Publishers. 2019.

	of MCH services, causes of mortality and morbidity, the indicators of MCH care, levels of maternal care, family planning, care of new born, breastfeeding and w	morbidity and mortality. Know the strategies followed for prevention and reduction of maternal and child morbidities and mortalities Understand the components of maternal h	Dewhurst's Textbook of Obstetrics and Gynaecology. &th edition. Blackwell Publishing. Practical references Addisse, M. (2003). Maternal and Child Health Care
<b>Mental Health</b>	This course is an interdisciplinary examination of mental health and mental illness from a biological, psychological, social and political perspective. Foundational concepts of selected mental health and illness issues will be explored. The policy context	Teaching the subject in power point available to students Increased use of electronic based reference material. Content following the most recent research in the field Some of the topics are planned to be added to related modules Use of recent illustrat	Videbeck S. Psychiatric mental health nursing, eighth Edition, Wolter Kluwer company, New York, 2020. Sreevani R. A guide to mental, and psychiatric nursing.2nd edition. Jaypee Brothers Publishers. New Delhi. 2017
<b>School Health</b>	School Health program ( SHP) course is intended to help and enable the students to understand the concept of school health program. It also focuses on the importance of ( SHP in the perspective of Public Health. It throws the light on various issues relat	Teaching the subject in power point available to students Increased use of electronic based reference material. Content following the most recent research in the field Some of the topics are planned to be added to related modules Use of recent illustrat	John Adams, Jamie Bartram, etal: Water, Sanitation and Hygiene Standards for Schools in Low-cost Settings . World Health Organization 2009. ISBN 978 92 4 154779 6

<p><b>Health Informatics</b></p>	<p>This course provides an introduction to health informatics, the field devoted to the optimal use of data, information, and knowledge to advance individual health, health care, public health, and health-related research. Students will learn the application</p>	<p>Describe the mission and practice of public health and identify opportunities to advance public health using informatics methods and tools. Describe fundamental informatics principles and their application to public health. Examine standards relevant</p>	<p>J.A. Magnuson • Paul C. Fu, Jr. Editors Public Health Informatics and Information Systems Second Edition; ISBN: 978-1-4471-4236-2</p>
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