

# CURRICULUM VITAE



## CV: Eltigani Osman Musa Omer

POSITION: Associate professor

---

### Personal Data

Nationality | Sudan

Date of Birth | 1967

Department | Public Health

Official Email | [eltigani.omer@nbu.edu.sa](mailto:eltigani.omer@nbu.edu.sa),

Personal Email: [eoomeruod@gmail.com](mailto:eoomeruod@gmail.com)

**Web of Science Researcher ID:** [www.researcherid.com/rid/A-4550-2015](http://www.researcherid.com/rid/A-4550-2015)

**ORCID iD:** <https://orcid.org/0000-0003-2320-4850>, <http://orcid.org/0000-0002-7440-0635>

Author ID: 57057328200

My basic degree is (B.Sc.) in Public and Environmental health with major in environmental health and environmental epidemiology. The postgraduate extended my knowledge in public health environmental epidemiology. Over 18 years of teaching public health mainly environmental epidemiology, emergency and disaster management, infectious diseases prevention and control, school health, housing sanitation wastes treatment and disposal and public health nutrition

I commitment with all academic process including teaching, community services and research. I have technically experienced and well equipped in research (This included research design, writing grant proposal publishing papers and supervising post-graduate projects), conduction of general field assessments including, rapid general public health (specially Environmental Epidemiology) assessments, surveys and research in both emergency and post-emergency settings, to determine appropriate project needs for variable projects including health, safety, environmental health, infectious diseases control, nutrition, etc.

I have conducted variable capacity building packages for community health workers, community representative committees of healthy city program, and health officers, in the understanding, management, implementation, monitoring and evaluation of variable public and environmental health programs. I have good experiences in public and environmental health's curriculum development

### Language Proficiency

Language	Read	Write	Speak
Arabic	√	√	√
English	√	√	√
Others			

### Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
26 <sup>th</sup> – August 1992.	B.Sc. In Public and Environmental Health	Faculty of Public and Environmental Health Khartoum University	Khartoum University /Sudan
24 <sup>th</sup> March 1999	Master degree in Public Health	Graduate College	Khartoum University/ Sudan
4 <sup>th</sup> March 2008	PhD. in Public health (Environmental Epidemiology)	Graduate College	Shendi University/ Sudan

### PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Drinking Water Quality and Health Risk Assessment in Shendi Locality
Master	Schistosomiasis Epidemiology in ElSyal Irrigated Agricultural Scheme
B.Sc	Assessment the Onsite sanitation unites for sewage and excreta disposal systems in Sinner town

### Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
<b>Associate professor</b>	Clinical Nutrition Department	Northern Border University	Saudi Arabia	27 September 2023 up to date
Associate professor	Faculty of Public Health	University of Shendi	Sudan	September, 15, 2022 up to 15 September 2023
Assistance professor	Public Health Department	Imam Abdurrahman Bin Faisal University	Saudi Arabia	20 August 2017 (2/12/1438) up to 24 August 2023
Assistance professor	Environmental Health Department	Faculty of Public Health	University of Damman/ Damman city/ Saudi Arabia	5 Sept 2013 to 20 August 2017
<b>Associate professor</b>	Faculty of Public Health	University of Shendi	Sudan	Since 14 January 2014
Assistance professor	Faculty of Applied Medical Sciences	Al-Baha University	Saudi Arabia	5 <sup>th</sup> September 2009 to 24 August 2013
Assistance professor	Faculty of Medicine & Health Sciences	University of Shendi	Sudan	1 <sup>st</sup> January 2007 to 1 <sup>st</sup> September 2009
Lecture	Department of Public Health and Part-timer at Community Medicine Department	Faculty of Medicine and Health Sciences University of Shendi	Sudan	24 March 1998 to 30 December 2006
Teaching assistant	Public Health, and Community Medicine Departments	Faculty of Medicine and Health Sciences	Shendi University/Sudan	12 April 1993 to 23 March 1998
Public Health Officer, ,	Omdurman council	Ministry of Health	Sudan	1992 to 1993

### Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Registrar	Faculty of Medicine and Health Sciences / Shendi University	3 <sup>rd</sup> October 1999 to 28 <sup>th</sup> May 2001
Shendi Healthy City Project Manager	APW Obligation Engagement with WHO	25 August to 25 December 2005
Infection control Supervisor & Public Health Inspector	Al- Mack Nimir University Hospital, Shendi University, Sudan.	1 <sup>st</sup> January 2007 To 1 <sup>st</sup> September 2009
Public Health Department academic coordinator	Colloge of Public Health Imamm Abdurrahman Bin Faisal University	2017 to 2022

### Scientific Achievements

#### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
25	Mahmoud Berekaa Eltigani Omer, Munthir Almoslem Khaled Alsahl, Mohammed Aljassim	Potential impact of great lockdown on students' knowledge, attitude and practices towards the COVID-19 outbreak	<b>The F1000Research</b> March 2022  [version 1; peer review: 1 approved]. <i>F1000Research</i> 2022, 11:484 ( <a href="https://doi.org/10.12688/f1000research.110874.1">https://doi.org/10.12688/f1000research.110874.1</a> )
24	Aminullah, Jahan Shah, Ali S. R. Alsubaie, Bismillah Sehar, Farrukh Sher Khan,	Association of Cigarette Smoking with Hyperlipidemia in Male Individuals	Food and Nutrition Sciences 2021, 12, 937-949 <a href="https://www.scirp.org/journal/fns">https://www.scirp.org/journal/fns</a> ISSN

	Nawsherwan4, <b>Eltigani O. M. Omer</b> , Alia Mohammed Almoajel5, Falak Zeb		Online: 2157-9458 ISSN Print: 2157-944X
23	HB Baghdadi, <b>EOM Omer</b> , DM Metwally, R Abdel-Gaber	Prevalence of Head Lice (Pediculus humanus capitis) infestation among schools workers in the Eastern Region, Saudi Arabia	Saudi Journal of Biological Sciences 2021
22	MF Ezzeldin, <b>EO Omer</b> , SM Alharthi, S Acharya, MH Rabie, MT Abdelaziz	Consumer Perception and Preference for Drinking Water among Children: An Experience from Saudi Schools	LINGUISTICA ANTVERPIENSIA, 2797–2806-2797–2806 2021
21	Khaled F. Salama, <b>Eltigani O. M. Omar</b> 1 , Mubashir Zafar1	Assessment of BTX concentration around fuel station in Eastern Province Kingdom of Saudi Arabia Indian J Occup Environ Med	IJOEM Indian Journal of Occupational & Environmental Medicine 2020   <b>Volume</b> : 24   <b>Issue</b> 3   <b>Page</b> : 163-167 <a href="https://www.ijoem.com/text.asp?2020/24/3/163/302815">https://www.ijoem.com/text.asp?2020/24/3/163/302815</a>
20	<b>Eltigani O.M. Omer</b>	Haematobium Schistosomiasis Prevalence Among School Age Children in Irrigated Schemes at Shendi Locality, River Nile State, Sudan: Implication of Behavior and Risk Factors	Majmaah Journal of Health Sciences (Majmaah J Heal Sci) Awwal – 1441 January - 2020, Jumadil Awwal – 1441 <a href="file:///C:/Users/eoomer/Desktop/All%20Published%20Papers%20New%20folder%20(2019)/SchistosomiasisPublished%202020%20untitled.pdf">file:///C:/Users/eoomer/Desktop/All%20Published%20Papers%20New%20folder%20(2019)/SchistosomiasisPublished%202020%20untitled.pdf</a>
19	<b>Eltigani O.M. Omer</b>	Association of Lifestyle with Pulmonary Tuberculosis among Hospital Patients in Asir Region of Saudi Arabia	Annals of Medical and Health Sciences Research, Ann Med Health Sci Res. 2019;9:741-747. <a href="https://www.amhsr.org/articles/association-of-lifestyle-with-pulmonary-tuberculosis-among-hospital-patients-in-asir-region-of-saudi-arabia.pdf">https://www.amhsr.org/articles/association-of-lifestyle-with-pulmonary-tuberculosis-among-hospital-patients-in-asir-region-of-saudi-arabia.pdf</a>
18	<b>Eltigani O.M. Omer</b>	Evidence based Intervention to Prevent Anemia Among Women of Reproductive Age Group in Developing Countries; Review	INTERNATIONAL JOURNAL OF BIOLOGY AND BIOMEDICAL ENGINEERING ISSN: 1998-4510, Volume 13, 2019
17	<b>Eltigani O.M. Omer</b>	Physicochemical Parameters and Toxic Heavy Metals Concentration in Coffee	Asian Journal of Applied Chemistry Research 3(3) 1-8, 2019 <a href="http://www.sdiarticle3.com/review-history/50351">http://www.sdiarticle3.com/review-history/50351</a>
16	<b>Eltigani O.M. Omer</b>	Antimicrobial activity of the seed extracts of Carthamus tinctorius, Moringa oleifera, and Jatropha curcas on pathogenic bacteria.	Pakistan Journal of Nutrition. 18(1):20-24.2019 <a href="https://scialert.net/abstract/?doi=pjn.2019.20.24">https://scialert.net/abstract/?doi=pjn.2019.20.24</a>
15	<b>Eltigani O.M. Omer</b>	Silver embedded C-TiO2 exhibits improved photocatalytic properties with potential application in waste water treatment	Arabian Journal of Chemistry <b>online:</b> <a href="https://www.sciencedirect.com/science/article/pii/S1878535218302545?dgcid=rss_sd_all">https://www.sciencedirect.com/science/article/pii/S1878535218302545?dgcid=rss_sd_all</a> Online: 17/12/2018 IPF =2.9

			ELSEVIER
14	<b>Eltigani O.M. Omer</b>	Assessment of Heavy Metals in Tea Brands in Eastern Region, Saudi Arabia	Saudi Journal of Medical and Pharmaceutical Sciences (Saudi J. Med. Pharm. Sci.), Vol-4, Iss-10 (Oct, 2018): 1127-1137 Available online: <a href="http://scholarsmepub.com/sjmps/">http://scholarsmepub.com/sjmps/</a>
13	<b>Eltigani O.M. Omer</b>	Physicochemical quality of the water sources in Shendi locality, River Nile state Sudan	Am. J. PharmTech Res. 2018; 8(6). <a href="http://www.ajptr.com/archive/volume-8/december-2018-issue-6.html">http://www.ajptr.com/archive/volume-8/december-2018-issue-6.html</a>
12	<b>Eltigani O.M. Omer</b>	Medical Waste Management Survey in Primary Health Care Centers, Saudi Arabia	16.mar.2017 issue of MJHS, vol. 5, issue 1.may.2017
11	Ali Saad R. Alsubaie, Ph.D, , Ahmed A. Azazy, Ph.D, <b>Eltigani O. Omer</b> , Ph.D, Latifa A. Al-shibani, Ph.D, Abdulsalam Q. Al-Mekhlafi, Ph.D and Faiz A. Al-Khawlani,.	Pattern of parasitic infections as public health problem among school children: A comparative study between rural and urban areas.	Journal of Taibah University Medical Sciences (2016) -11(1), 13 – 18.
10	Ali S. R. Alsubaie and <b>Eltigani O.M. Omer.</b>	Physical Activity Behavior Predictors, Reasons and Barriers among Male Adolescents in Riyadh, Saudi Arabia: Evidence for Obesogenic Environment.	International Journal of Health Sciences, Qassim University, Vol. 9, No. 4 (Oct-Dec 2015)
9	<b>Eltigani O.M. Omer</b> , M. O. Al-Ghamd, Ali Saad R. Alsubaie4, A. Fadlelmula	The Effect of Seasonal Variation on the Hygienic Standard of Beef Carcasses in Al Baha Region, Kingdom of Saudi Arabia	Journal of Medicine and Medical Sciences Vol. 4(6) pp. 230-236, June,2013 Availableonline@ <a href="http://www.interestjournals.org/JMMS">http://www.interestjournals.org/JMMS</a>
8	<b>Dr. Eltigani O. M. Omer</b> Abdallaziz Abdulrahman Alzahrane	Nitrate Contamination of Public Drinking Water Sources in Shendi Locality, River Nile State Sudan.	Greener Journal of Epidemiology and Public health, Vol. 1 (1), pp. 006-009, April 2013.
7	<b>Eltigani OM Omer</b> , Mohammed A. Al Shehri and Uthman M. AlBakri	Nutritional Status of Public Elementary School Boys in Al-Baha City, Saudi Arabia	Journal of Nutrition & Food Sciences, Volume 3, Issue 1. 1000179 (15 December 2012 in the open access)
6	<b>Eltigani O M Omer</b> and Talal Sallam	Bacteriological Investigation of Drinking Water in Shendi Locality, River Nile State, Sudan	Open Access Scientific Report, September 22, 2012. Volume 1. Issue 6. 2012 USA
5	<b>Eltigani O M Omer</b>	Health Impacts and Risk of the Water Quality in Shendi Locality Sudan	Journal of Shendi University 2009 Volume ?. Issue ?
4	<b>Eltigani O M Omer</b>	Health and Environmental Impact for Insecticide Handling in Shendi Locality.	International conference report for environmental health and community participation organized by South Valley University Egypt 27 <sup>th</sup> March to first April 2006.
3	<b>Eltigani O M Omer</b>	Schistosomiasis Epidemiology in ElSyal Irrigated Scheme.	Post-Graduation project section Main Library , Khartoum University 1999
2	<b>Eltigani O M Omer</b>	Prevalence of Diarrheas in Shendi town,	Graduation project section Library of Public and Environmental Health Faculty, Khartoum University 1996
1	<b>Eltigani O M Omer</b>	Assessment the Onsite unites for Sewage and Excreta Disposal systems in Sinner town,	Graduation project section Library of Public and Environmental Health Faculty, Khartoum University 1992

## Current Researches

#	Research Title	Name of Investigator(s)
1	"Premarital Screening Knowledge, Attitude, and Practice among Graduate Students Eastern Province Kingdom of Saudi Arabia".	Hashim Abdullah AL Hashim, Eltigani O M Omer, Faisal Mashel Albagmi & Mohammed Suleiman M. Gibreel
2	Physical Activity & Academic performance among Health Sector Male Students in IAU 2020	Eltigani O M Omer & Eltigani Osman Musa Omer, Mohammed Taher Alsadah, Muntdher Ali AL khalifah
3	Physical Activity in covid-19 era among Health Sector Male Students in Imam Abdulrahman Bin Faisal University	Eltigani Osman Musa Omer, Mohammed Taher Alsadah, Muntdher Ali AL khalifah

## Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
	Fifth Forum for Traffic Safety 10 to 12 February 2020 -	Sheraton Dammam Hotel Saudi Traffic Safety Association P.O. B: 1982 Postal Code: 31413 Dammam, Kingdom of Saudi Arabia 2020 <a href="http://www.internationaltrafficsafety.com">www.internationaltrafficsafety.com</a>	Participation in the conference
	Sustainable Development in the Desert Regions Conference	Imam Abdulrahman Bin Faisal University the period of 22-24 Jan 2019	Participation in the conference
	First Saudi Conference on The Environment King Khalid University Abha	Quality of Drinking water sources in Baljuorshi, Al-Baha Area, kingdom of Saudi 7 <sup>th</sup> -9 <sup>th</sup> March 2016	Poster
	Environmental Contamination and Food Safety Symposium	<b>Epidemiology of Food borne Illness</b> University of Dammam 13 <sup>th</sup> November 2014	Speaker
	إبتكارات ومبادرات السلامة المرورية لبيئة آمنة ومستدامة Safety Innovations and Initiatives for Sustainable and Safer Communities ١٦ إلى ١٨ جمادى الآخرة ١٤٤١ الموافق من ١٠ إلى ١٢ فبراير ٢٠٢٠ - فندق شيراتون الدمام	: الجمعية السعودية للسلامة المرورية ص . ب : الرمز البريدي : ٣١٤١٣ الدمام ، 1982 المملكة العربية السعودية لمزيد من المعلومات يرجى زيارة موقع الملتقى <a href="http://www.internationaltrafficsafety.com">www.internationaltrafficsafety.com</a>	Participation in the conference
	International Webinar on "Trends in Technology for Agriculture, Food, Nutrition, Environment and Health" held on 2nd October 2020.	Department of Sciences. Japan Nath University - NCR Contact Nos.: 9467457024 & 8950233239 <a href="http://www.jagannathuniversityncr.ac.in">www.jagannathuniversityncr.ac.in</a> Prof. (Dr.) Niranjan Singh Rathee M. Phil., Ph. D. (Chemistry) Professor (Chemistry) and Head,	Participation in the conference (Attendance)
	Fifth Forum for Traffic Safety 10 to 12 February 2020 -	Sheraton Dammam Hotel Saudi Traffic Safety Association P.O. B: 1982 Postal Code: 31413 Dammam, Kingdom of Saudi Arabia 2020 <a href="http://www.internationaltrafficsafety.com">www.internationaltrafficsafety.com</a>	Participation in the conference
	15 December 2020	The 33 rd Meeting of Saudi Biological Society. Albaha University Albaha	Participation

### Membership of Scientific and Professional Societies and Organizations

- Saudi society for environmental protection
- Faculty Focus
- Public Health groups-noreply@linkedin.com

Social skills: Excellent organized person, End-oriented work capacity, Problem-solving attitude, Self-respect and self-reliance, Ability to establish and maintain good working relations.

Other skills and competences: I have Expertise in curriculum development work, benchmarking, , logical operational framework design and minutes and reports writing as well

### Teaching Activities

#### Public Health Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Medical Entomology and Parasitology	PUBH205	Field visits training
2	Principles of Epidemiology	EPID208	lectures/Tutorials
3	Health Education and Promotion	PUBH211	lectures/Tutorials
4	Applied Epidemiology	EPID302	lectures/Tutorials, Field visits training
5	Communicable Diseases	PUBH309	lectures/Tutorials, Field visits training
6	School Health	PUBH312	lectures/Tutorials
7	Contemporary Public Health Issues and Challenges	PUBH406	lectures/Tutorials
8	Community Health Assessment	PUBH354	lectures/Tutorials
9	Graduation project	PUBH413	Lectures/Tutorials, Field visits training

#### Public Health Postgraduate Course Coordination:

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Fundamentals of Epidemiology	PUBH 602	Lectures/Tutorials, Field visits training
2	Advanced Epidemiology	MPUBH626	Lectures/Tutorials, Field visits training
3	Field Epidemiology	MPUBH633	Lectures/Tutorials, Field visits training
4	Nutritional Epidemiology	MPUBH635	Lectures/Tutorials, Field visits training
5	Environmental Epidemiology	MENH 606	Lectures/Tutorials, Field visits training

#### Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	Medical entomology and parasitology is a core course in the public health curriculum that is intended to foster a knowledge base and understanding of the fundamentals of entomology and parasitology. The course is aimed at educating students to diseases transmitted by insects of medical importance. The course emphasis on parasites which cause serious disease in significant number of people especially in Saudi Arabia. Also, students should be aware of the Epidemiology, control, prevention, and other special problems with respect to endemic parasitic diseases in Saudi Arabia.
---	---

2	<p>Principles of Epidemiology – PUBH223: This course focuses on the principles of epidemiology and introduces the fundamental knowledge and basic skills necessary for the practice of infection control and epidemiology. Topics include basic concepts, description and analysis of epidemiologic data, concepts of epidemiology in disease control, surveillance methodology, infectious process, infection control precautions and outbreak investigation.</p> <p>In addition, the course focuses on research designs and methods to describe disease occurrence and risk factor associations; uses quantitative and biomedical information to infer whether causal relationships exist between potential causes and disease in populations. The main goal of this course is to provide the student fundamental knowledge and skills for the practice of epidemiology and its uses and approaches of the epidemiology to demonstrate different prevention and control methods.</p>
3	<p>This course is designed to meet the growing demand for health promotion in organizations and communities in the public, private, and not for profit sectors. In this course, students will learn about health promotion concepts, frameworks, and core skills to increase the success of their health promotion practice. The aim of this course is to prepare students acquire the basic knowledge and principles of health education and the skills needed to advance students' career while helping people, communities and organizations adopt new lifestyle behaviors and assume an active role in improving health.</p>
4	<p>Applied Epidemiology: This course built on the principal epidemiology and focuses on the applied aspects of epidemiology and provides knowledge and skills necessary for the practice of epidemiological approaches, investigation and control for the public health problems and health promotion. Topics include basic concepts, description, and analysis of epidemiologic data of the common diseases and health related status, epidemiology in disease control, surveillance methodology, infectious process of the common diseases.</p> <p>To provide knowledge, skills, and competency necessary for the practice of epidemiological surveillance, investigation, and epidemiological studies for group of common diseases. Utilize epidemiological approaches to solve the public health problems, diseases prevention and control and community health promotion.</p>
5	<p>Communicable Diseases PUBH321: Communicable diseases are one of the major health concerns in developing and underdeveloped nations. This course is aimed at teaching fundamentals of communicable diseases transmission prevailing in the region, overview of their causes, and effective methods of their prevention and control.</p> <p>This course is designed to introduce the principles and practice of infectious disease epidemiology. It will focus on the etiology, distribution, and determinants of infectious diseases of major public health importance and describe prevention and public health control efforts undertaken locally, nationally, and internationally.</p>
6	<p>The course will explore current information and offer interactive sessions on best practices for school health policies, programs and practices related to enhancing student health and safety.</p> <p>This course also designed to provide students with skills necessary to assess and critically analyses the status and risks at which the school child exposed, thereby developing skills to identify, prioritize and plan comprehensive school health program, which emphasizes health promotion and illness prevention.</p>
7	<p>Contemporary Public Health Issues and Challenges (PUBH 406): This course discusses updated, emerged, and remerged public health issues in the field of global public health and Saudi Arabia in particular. Students will be able to understand the alternations and changes in this field including new problems, values, ethics, mission, and knowledge about how the public health functions today including the organization, financing, policies, control measures and management practices.</p> <p>This course aims to discuss modern issues and emerging problems in the field of public health to keep up to date and long-life curriculum the course also aims to fill any gap in the curriculum that may be necessary for public health students.</p>



8	The Community Health Assessment and development Course introduces students to the concepts and methods of community health improvement and the role of assessment. This course will cover important community health topics including systems thinking that leads to coordination of health care and public health activities to achieve community health goals; the nature of health and its determinants; the use of quantitative and qualitative methods; data analysis; community mobilization and capacity building; and the impact of current national policy on community health improvement
9	Description depends on the topic of research
10	<p>Fundamentals of Epidemiology PUBH 602: This is a core course required for obtaining an MPH in the College of Public Health. It is three-credit course designed to provide graduate students an intensive introduction to epidemiologic concepts with an understanding of the basic methods and tools used by epidemiologists and applied to public health problems to study the health of populations. Management of community health problems encountered by the public health practitioner requires understanding, comprehension and application of proper epidemiological methods.</p> <p>The aim of this course is to enhance the MPH student knowledge and understanding of the basic concepts and principles of epidemiology and the skill of the application of these basic concepts in the study of various health problems and their control. The trainee should be able to apply epidemiological methods to diagnose community health problems, measure health and disease, apply intervention methods, and monitor the health status and program effectiveness for individuals, families, and the community. He/she should have the knowledge, attitude, and skills of conducting epidemiologic research.</p>
11	<p>Advanced Epidemiology MPUBH626: This course introduces the conceptual foundations of essential issues in epidemiologic methodology and the students will understand the epidemiologic screening and measurement of disease, disaster, and epidemic management. The course provides a foundation of knowledge to hazards, susceptibility and to care for the most vulnerable group of the communities or/and areas. Emphasis is placed on hazards, causal factors of disasters as well as strategies to address many emergencies and problems that arise out of disasters and have impacts on the public health epidemiology. The course aims to acquaint the candidate with knowledge and skills of epidemiologic screening and measurement of disease, disaster and epidemic management, and scientific approach in conducting an epidemiologic research.</p>
12	<p>Field Work for Epidemiology MPUBH633: It is a training Program in Epidemiology and Public Health Interventions. It provides both competency-based training in applied epidemiology and public health services within national Ministry of Health (MOH) and in Population-Based services. Duration of training is 2 credits hours for 16 weeks where trainees learn by working on service projects that are of benefit to the Ministry of Health. At least 40% of the training time is spent in a community-based field and non-clinical public health institutions. The program is managed by the academic instructor. Training program gives students the necessary skills to collect, analyze and interpret data and contribute to evidence-based decisions. The students use their training to quickly communicate crucial information about health problems in the community and take evidence-based action. The fieldwork includes to visit Primary health care centers, Hospitals, Ministry of Health MOH (General Directorate of Parasitic &amp; Infectious Diseases, General Directorate of Non-Communicable Diseases, General Directorate of Information and Statistics, Health Services for Hajj and Umrah General Department infectious diseases, environment and occupational health general department), Ministry of Environment, Civil defense office (Federal Emergency and management agency), Saudi food and drug authority. During visit different offices, students observe the function of organization and after the field visit, students present the presentation regarding field visit.</p> <p>The objectives of the training program are to build the competencies and train the public health professionals in applied epidemiology which required to respond to diverse public health issues in real life setting and to serve the community during their field placements. They use their epidemiologic skills to identify public health problems, measure risk factors, and design and evaluate public health programs that contribute to improving the health of the public.</p>
13	<p>Nutritional Epidemiology MPUBH635: This course is designed to introduce graduate student at MPH level to the basic concepts of nutritional epidemiology. The students will study the nutritional determinants, frequency, and distribution of disease, focuses on the relationship between diet and health in human</p>

populations. It will discuss measurement of diet in epidemiologic studies, nutritional surveillance and monitoring as well as methods of studies used in nutritional epidemiology.

The course will also cover the epidemiology of some nutrition related health problems e.g. Nutrition Deficiency Syndromes and Contemporary nutritional epidemiology such as cardiovascular disease, diabetes and obesity. Also, it will discuss the management of community nutritional problems, comprehension, and application of proper nutritional epidemiological methods.

Upon completion of the course, students will be able to demonstrate knowledge and understanding of the relationship between diet and health in human populations and the skill of the application of these basic concepts in the study of various nutritional health related problems and their monitoring, control, and prevention.

### Public Health Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
	Medical Entomology and Parasitology		✓	✓		2017	2022
	Principles of Epidemiology	✓		✓		2017	2022
	Health Education and Promotion		✓	✓		2017	2018
	Applied Epidemiology	✓		✓		2017	2022
	Communicable Diseases	✓		✓		2017	2022
	School Health		✓	✓		2017	2018
	Contemporary Public Health Issues and Challenges	✓		✓		2019	2022
	Community Health Assessment	✓		✓		2017	2022
	Graduation project		✓	✓		2017	2022
	Fundamentals of Epidemiology PUBH 602	✓			✓	2017	2022
	Advanced Epidemiology MPUBH626	✓			✓	2017	2022
	Field Epidemiology	✓			✓	2018	2022
	Nutritional Epidemiology MPUBH635	✓			✓	2021	2022
	Environmental Epidemiology		✓		✓	2021	2022
	Disaster management	✓			✓	2022	2023

### Environmental Health Undergraduate courses I was teaching to (EH students)

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Introduction to Env. Sciences	ENVH 212	Instructor (All of lectures &Tutorials)
2	Ecology	ENVH 213	Instructor (All of lectures &Tutorials)
3	Epidemiology	ENVH 216	Instructor (All of lectures &Tutorials)
4	Solid Wastes	ENVH 322	Instructor (All of lectures &Tutorials)
5	Environmental Epidemiology	ENVH 326	Instructor (All of lectures &Tutorials)
6	Industrial Wastes	ENVH 316	Instructor (All of lectures &Tutorials)
7	Industrial Wastes Treatment	ENVH 323	Instructor (All of lectures &Tutorials & Field)
8	Environmental Ethics	ENVH 417	Instructor (All of lectures &Tutorials)
9	Environmental Impact Assessment	ENVH 422	Instructor (All of lectures &Tutorials)

10	Graduation project	ENVH 425	N/A
----	--------------------	----------	-----

**Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)**

1	Introduction to Environmental Sciences-(ENVH 212): It provides a close view for understanding the different environmental terminologies, factors, and their correlation and impacts upon human well being. Also, contamination and pollution of natural resources as impacts of human being will be elaborated. Relationship of people to their environment, how it affects their physical well-being and what they can do to influence the quality of the environment and to enhance the protection of their health.
2	Ecology-(ENVH 213): Study for the different environments for animals and plants will be the core of the ecology course. Terrestrial and aquatic animals and plants environment will be explored as groups and focused on some mile stone species.
3	Epidemiology-( ENVH 216): Explains the different definitions used in epidemiology, and appreciate the role of epidemiology in diseases causation, prevention and control. Describe the natural history of diseases and apply the different levels of prevention. State the most common diseases cycle and apply epidemiological knowledge and skills in investigation and control of an epidemic. Discuss the concepts and principles underlying screening and describe the characteristics of a screening test.
4	Industrial Wastes- (ENVH 316): The course identifies the different types of industrial wastes in details. Also, it explores the origins of the wastes process wise and their impacts upon the human and environmental health. It studies the different industrial wastes in plant control measures and how to evaluate them.
5	Solid wastes-( ENVH 212): Provides understanding of solid wastes sources and classifications . Also, it deals with the different techniques for solid wastes handling from the source to the final destination passing by: collection, transportation, sorting, and the different treatment facilities.
6	Industrial wastes treatment-( ENVH 323): Explores the different industries and their wastes from their sources to the final disposal. Also, it studies the industrial survey, material balance , techniques for minimizing the wastes. the course studies the different industrial treatment facilities: physical, chemical, and biological. The theoretical studies will be supported by lab and field works.
7	Environmental Epidemiology-( ENVH 326): Researches in environmental determinants of disease. Defining exposed populations, characterizing exposure levels, estimating disease risks relative to exposure. Infectious diseases prevention and control especially those related to the Saudi Arabia endemic diseases as Malaria, Dengue fever and Rift Valley Fever. Applications to exposure standard setting and risk assessment.
8	Environmental Ethics-( ENVH 417): Our environmental circumstances pose problems of value and choice for each of us and challenge us to reconsider the notion of community in an ever changing ecosystem. The inspiration for environmental ethics was found at the early beginning in most of the Islamic rules and guidelines. These rules and guide lines aimed to achieve sound and sustainable development for every environmental factor. The current course describes how to handle the different environmental specifications from the Islamic point of views and how to implement them on the graduate practical life. Also, it elaborates different approaches to environmental ethics and examines the underlying assumptions of the scientific, managerial, economic, aesthetic, religious, judicial and public policy discourse on the environment.
9	Environmental Impact Assessment-( ENVH 422): The course deals with the future and prospective of the human development by applying the different environmental analysis and management techniques, to assure a sound environment. Also, it provides some case studies for different industrial, residential, and commercial projects ;applying the standards methodologies.
10	Graduation Project-(ENVH 425): Individual projects involving library, laboratory, and field study of a specific environmental health problem. Individual research on a specific topic in environmental health upon which specific conclusions, judgments, or evaluation can be made or upon which facts can be presented.

### Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
	Introduction to Env. Sciences ENVH 212	√		√		2013	2016
	Ecology ENVH 213	√		√		2014	2017
	Epidemiology ENVH 216	√		√		2013	2022
	Solid Wastes ENVH 322	√		√		2014	2017
	Environmental Epidemiology ENVH 326	√		√		2013	2022
	Industrial Wastes ENVH 316	√		√		2013	2017
	Industrial Wastes Treatment ENVH 323	√		√		2013	2016
	Environmental Impact Assessment ENVH 422	√		√		2015	2017

### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	Level 3	32	2013	2022
2	Level 4	32	2013	2022
3	Level 5	10	2013	2022
4	Level 6	10	2013	2022
5	Level 7	09	2013	2022
6	Level 8	09	2013	2022

### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
	Master	Schistosomiasis Prevalence Among School Children	Graduate college Shendi University	2013
	Master	Assessment of Hospital Sanitation In Shendi Locality	Graduate college Shendi University	2013

### TRAINING AND WORKSHOPS:

- 1991** Training course in Expanded program immunization (EPI) held by ministry of health – Khartoum state in collaboration with WHO/STC-EPI.
- 1992** Workshop on primary Health Care, held by Faculty of Medicine and Health Sciences at Shendi University .
- 1995** Senior course in AIDS epidemiology for Health workers held by ministry of Health Khartoum state in collaboration with WHO
- 1996** Workshop on Oriented Continues Education to the health workers, held by Faculty of Medicine and Health Sciences at Shendi University
- 2001** Teaching Methods for medical & Health staff, held by Educational Development Center for Health Professions, Faculty of Medicine, University of Khartoum, in collaboration with WHO.

- 2003** Humanitarian briefing session (SUDO) 27<sup>th</sup> to 31<sup>th</sup> December 2003.
- 2004** National Training Course on HINARI site & Publishers sites. U of K Faculty of Medicine Educational Development Center for Health Professions in Collaboration with (WHO) 13-16 June .
- July 29 – August 2, 2006** Proposal Writing Workshop organized in Khartoum, Sudan. The Capacity Building Program for Research Methodology organized by the Population Council Regional Office for West Asia & North Africa
- September 16 – 21, 2006** Qualitative Research Workshop organized in Khartoum, Sudan. The Capacity Building Program for Research Methodology organized by the Population Council Regional Office for West Asia & North Africa
- November 18 – 23, 2006** Quantitative Research Workshop organized in Khartoum, Sudan. The Capacity Building Program for Research Methodology organized by the Population Council Regional Office for West Asia & North Africa
- March 3 – 8, 2007** Data Entry and SPSS Training organized in Khartoum, Sudan. The Capacity Building Program for Research Methodology organized by the Population Council Regional Office for West Asia & North Africa
- December 8 – 11, 2007** Report Writing and Data Analysis Workshop organized in Khartoum, Sudan. The Capacity Building Program for Research Methodology organized by the Population Council Regional Office for West Asia & North Africa
- 30 April 2007** Advance training program in administration skills organized by International Confederation Of Arab Trade Unions, Arab Union Of Working People in Education, Printing & Information at Egypt.

**March 29, 2010**

Daily Physical Activity Prevents Weight Gain Only in Women with Normal BMI on the Internet at <http://www.medscape.com> December 14-16, 2015 Essential Skills in Health Professions Education (ESHPE), ESHPE – Course Design (CD) module, Medical Education Department, University of Dammam, KSA.

**February 1st to 3rd , 2016**

Essential Skills in Health Professions Education (ESHPE), (Essential Skills in Health Professions Education) module, Medical Education, Department, University of Dammam, KSA.

**March 30 – 31, 2016**

Core Competencies in Teaching and Learning in Higher Education organized by Deanship of Academic Development, University of Dammam.

**April 18 – 20, 2016**

Essential Skills in Health Professions Education (ESHPE), (Assessment workshop) module, Medical Education Department, University of Dammam, KSA.

**May 5th 2016**

Bibliographic search & publishing methodology 2. Bibliography Management organized by Graduate Studies & Scientific Research/University of Dammam Partnership UOD & Thomson Reuters

09 Oct 2019

Faculty Engagement in Institutional and Program Assessment, organized by Deanship of Academic Development at Imam Abdulrahman bin Faisal University.

**On 09 Sep 2020**

High-Quality Assessment through the Use of Rubrics. Deanship of Academic Development at Imam Abdulrahman bin Faisal University

**On 21 Sep 2020**

Studies on Adult Learning. Deanship of Academic Development at Imam Abdulrahman bin Faisal University

**On 20 Oct 2020**

10 Effective Formative Assessment Techniques for the Classroom, Deanship of Academic Development at Imam Abdulrahman bin Faisal University

**On 29 Oct 2020**

Development Through Peer Observation of Teaching, Deanship of Academic Development at Imam Abdulrahman bin Faisal University

**On 18 Nov 2020**

Deanship of Academic Development at Imam Abdulrahman bin Faisal University. Deanship of Academic Development at Imam Abdulrahman bin Faisal University

التدريس الجامعي في ضوء متطلبات التنمية وسوق العمل ومهارات القرن ٢١ بتاريخ ١٣ محرم ١٤٤٢ هـ عمادة تطوير التعليم الجامعي جامعة الإمام عبدالرحمن بن فيصل المملكة العربية السعودية  
التدريس خلال نظريات التعلم ٢٧ محرم ١٤٤٢ هـ عمادة تطوير التعليم الجامعي جامعة الإمام عبدالرحمن بن فيصل المملكة العربية السعودية

#### Administrative Responsibilities, Committee and Community Service

(Beginning with the most recent)

##### Administrative Responsibilities

#	From	To	Position	Organization
	2013	Up to date	Student Academic Advisor coordinator	Environmental Health Department

##### Committee Membership

- Member in the committee of updating MPH program in 2016/17
- Member in the Interview Committee for Hiring Full- Time PH Faculty- College of Public Health- UOD (2016/17)
- Member and coordinator in the Establishing Committee of the Public Health Program (Bachelor degree )- College of Public Health- UOD (2016/17)
- Member of the Interview Committee for demonstrators/ lecturers - College of Public Health- UOD (2015-2016)
- College curriculum development committee

##### Committee Membership

#	From	To	Position	Organization
	2013	2018	Quality committee member	Quality & Accreditation Committee of Environmental Health Department
	2013	2017	Coordinator curriculum Development	Environmental Health Department
	2016	2022	Coordinator curriculum Development	Public Health Department
	2016	2022	Member	Interview Committee for Hiring Full- Time PH Faculty

	2015	2017	Coordinator	Establishing Committee of the Public Health Program
--	------	------	-------------	---

**Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)**

1	Windows – Word – Excel – Power Point
2	Applied programs for data analysis SPSS for Windows all version and EpiInfo

**Last Update: March,042021**

