INTERNATIONAL DEVELOPMENT INSTITUTE- AFRICA (IDIA)
IDIA COLLEGE OF TECHNOLOGY AND DEVELOPMENT STUDIES

COMPETENCY BASED CURRICULUM

FOR

CERTIFICATE AND DIPLOMA PROGRAMME WITH FOCUS ON:

1. **PUBLIC HEALTH**
2. **PUBLIC HEALTH AND COMMUNITY PRACTICE**
3. **COMMUNITY HEALTH AND DEVELOPMENT PRACTICE**
4. **HEALTH SYSTEMS AND SERVICES MANAGEMENT**

LEVELS 5 & 6

1.0 Introduction

The DPH course draws from various disciplines including public and environmental health, primary health care including community based health care, community development, environment, sociology, psychology, legal and business management disciplines. In this way, the course provides multidisciplinary understanding of public health and development in the context of sustainable development thereby:

a) increasing portability between qualifications;
b) enhancing greater consistency in levels of knowledge, skills and competencies achieved; and
c) ensuring application of common concepts, principles and approaches to different areas of work within the field of public health and development practice.

1.1 Regulatory compliance

The Diploma in Public Health and Community Practice Course is a competency based course delivered in accordance with the requirements of TVET Curriculum Development and Certification Council (CDACC) and the Public Health Officers and Technicians Council – Kenya (PHOTC).

1.2 Entry requirements

- The minimum requirement for admission for Diploma in Public Health and Community Practice is a C in KSCE or its equivalent with a minimum pass C in English or Kiswahili and minimum passes C in Biology and Mathematics respectively and minimum passes of C- in any of the following: Chemistry, Physics or Physical science and Building construction/Technical drawing.; or
- A certificate in Environmental Health, Public Health, Community Health or Social Work and Community Development or any other relevant field of study from a recognized Institution.

1.3 Course requirements

All courses in the DPH shall be compulsory. The student must be competent in all subjects of the course in order to function effectively in varied public, environmental and community health and development contexts. A Diploma in Public Health and Community Practice shall be awarded to that student who successfully completed the programme as outlined in this syllabus.

2.0 Course structure and coding

The DPH course is organized into modules and units which are offered on a semester and credit hours basis. Each semester runs for 15 weeks. The course content is organized into 16 modules delivered through units that are carefully designed to embrace the theory, practical and lifelong learning aspects of public health and community development.

The modules and units are functionally linked and integrated with Learning through Service (LTS) practice, Value based Learning (VBL) and Evidence based Learning (EBL) that should allow a student to develop the necessary core competencies that are relevant to his/her career goals. The course has foundation modules and units offered in year one and much of the professional contents in years 2 and 3. The specialization electives are offered in year 3. The Course units are grouped into the following core modules:

- **MODULE 1:** GOAL ANALYSIS, COMMUNICATION AND INFORMATION TECHNOLOGY
- **MODULE 2:** CONCEPTS AND GLOBAL TRENDS IN HEALTH AND DEVELOPMENT
- **MODULE 3:** APPLIED SCIENCES
- **MODULE 4:** FUNDAMENTALS OF PUBLIC AND ENVIRONMENTAL HEALTH
- **MODULE 5:** COMMUNITY HEALTH AND DEVELOPMENT
- **MODULE 6:** BEHAVIOURAL SCIENCES
- **MODULE 7:** DISEASE PREVENTION AND CONTROL
- **MODULE 8:** PRINCIPLES OF MANAGEMENT AND ENTREPRENUERSHIP
- **MODULE 9:** HEALTH SYSTEM AND SERVICES MANAGEMENT
- **MODULE 10:** ENVIRONMENTAL HEALTH ENGINEERING
- **MODULE 11:** BUILT ENVIRONMENT AND PLANNING
- **MODULE 12:** FOOD SAFETY AND QUALITY CONTROL AND SECURITY
- **MODULE 13:** ENVIRONMENT, HEALTH AND DEVELOPMENT
- **MODULE 14:** APPLIED RESEARCH METHOD
- **MODULE 15:** LEARNING THROUGH SERVICE (LTS) PROJECT
- **MODULE 16:** RESEARCH PROJECT

IDIA'S DPH Course structure

Course Module	Course Unit Name	Credit hours		
		Theory	**Practical**	**Total**
MODULE 1: GOAL ANALYSIS, COMMUNICATION AND INFORMATION TECHNOLOGY	Goal analysis and personal development	20	**0**	**20**
	Leadership, ethics and integrity	20	0	20
	Communication skills	40	0	40
	Introduction to ICT and basic computer application	40	40	80
	Geographic information systems (GIS)	20	20	40
	Total	140	60	200
MODULE 2: CONCEPTS AND GLOBAL TRENDS IN HEALTH AND DEVELOPMENT	Concepts in global health and development	**40**	**0**	**40**
	Introduction to principles of sustainable development and rights based approach	**30**	**0**	**30**
	Population and demographic factors in health and development	**30**	**0**	**30**
Total		100	0	100
MODULE 3:	Applied Chemistry	30	0	30

APPLIED SCIENCES	Applied physics	30	**0**	**30**
	Applied Mathematics	30	**0**	**30**
	Parasitology	30	**0**	**30**
	Human Anatomy and Physiology	90	**0**	**90**
	Microbiology and Laboratory practices	20	**10**	**30**
	Pharmacology and Therapeutics	30	**0**	**30**
Total		260	10	270
MODULE 4: FUNDAMENTALS OF PUBLIC AND ENVIRONMENTAL HEALTH	Fundamentals of Environmental Health	40	0	40
	Principles of public Health	20	0	20
	Introduction to epidemiology	40	0	40
	Introduction to environmental sanitation and hygiene	40	0	40
Total		140	0	140
MODULE 5: COMMUNITY HEALTH AND DEVELOPMENT	Community-Based Health Care	**42**	**18**	**60**
	Principles of community development	40	0	40
	Social mobilization and community organization	30	0	30
	Community based education and training	30	0	30
	Gender and social inclusion and protection	20	0	20
	Peace building and conflict management	20	0	20
Total		162	18	180
MODULE 6: BEHAVIOURAL SCIENCES	Human Psychology	30	0	30
	Behavioral Science	50	0	50
	Counselling psychology and Community based counselling	40	0	40
	Health beliefs and behavioural aspects of health	40	0	40
Total		**160**	**0**	**160**
MODULE 7: DISEASE PREVENTION AND CONTROL	Communicable Diseases	64	6	70
	Non-Communicable Diseases	40	0	40
	Infection prevention and Control	18	12	30
	Immunization	30	0	30
	HIV/AIDS and STIs	30	0	30
	First Aid	20	10	30
	Health Education and promotion	50	**20**	70
	Port Health	40	**10**	50
	Pest Control	30	10	40
	Essential Drugs Management and Rational Drug Use	30	0	30
	Sexual Reproductive health and gender based violence	30	0	30
	Maternal, newborn and child health	30	0	30
Total		412	68	480
MODULE 8: PRINCIPLES OF MANAGEMENT AND ENTREPRENUERS	Entrepreneurship	40	**0**	40
	People and Human Resource Management	30	**0**	30
	Financial planning and management	30	0	30
	Resource mobilization and	20	0	20

HIP	fundraising			
	Social marketing	20	0	20
Total		**140**	**0**	**140**
MODULE 9: HEALTH SYSTEM AND SERVICES MANAGEMENT	Health systems Management I	40	0	40
	Health System Management II	40	0	40
	Health Services Management and Administration	40	0	40
	Decentralization and devolved health system	30	0	30
	Public Health Law and Conventions	32	8	40
Total		182	8	190
MODULE 10: ENVIRONMENTAL HEALTH ENGINEERING	Conservancy	40	0	40
	Solid Waste Management 1	40	10	50
	Liquid Waste Management	40	10	50
	Community Water Supplies and Quality Control	60	10	70
	Ventilation and Lighting	30	0	30
	Drainage and Plumbing	40	0	40
	Solid Waste Management II	30	10	40
Total		280	40	320
MODULE 11: BUILT ENVIRONMENT AND PLANNING	Technical Drawing and Design	52	18	70
	Building Materials Science	50	0	50
	Quantity survey	18	2	20
	Mechanics of Structure	16	4	20
	Building Construction and Technology	62	18	80
	Rural and Urban Planning	50	0	50
	Property Inspection	**30**	**30**	**60**
Total		278	72	350
MODULE 12: FOOD SAFETY AND QUALITY CONTROL AND SECURITY	Fish and Products	20	0	20
	Milk and Milk products	**20**	**10**	**30**
	Community Nutrition	**30**	**0**	**30**
	Food of plant origin and Beverages	**16**	**4**	**20**
	Meat inspection and pathology	**50**	**20**	**70**
	Comparative Anatomy of Food and Non-food Animals	**40**	**10**	**50**
	Food Hygiene and preservation	**20**	**10**	**30**
	Hygiene of Food premises	**10**	**10**	**20**
	Agri-business and food security	**30**	**0**	**30**
Total		236	64	300
MODULE 13: ENVIRONMENT, HEALTH AND DEVELOPMENT	Environmental Pollution Control	50	0	50
	Climate Change and Health	**30**	**30**	**60**
	Community based conservation and natural resources management	30	0	30
	Disaster Management	50	0	50
	Environmental Health Impact Assessment	20	20	40
Total		180	50	230
MODULE 14: APPLIED RESEARCH METHOD	Research Methods	40	0	40
	Health statistics	**40**	**0**	**40**
	Community Diagnosis	**10**	**90**	**100**
Total		**90**	**90**	**180**
MODULE 15:	Learning Through Service (LTS) 1	**30**	**150**	**180**

LEARNING THROUGH SERVICE (LTS)	Learning Through Service (LTS) 2	30	150	180
Total		60	300	360
MODULE 16: RESEARCH PROJECT	Research project	20	120	140
OVERALL TOTAL		2,700	900	3,600