

# Diploma of Advanced Studies (DAS)

## Health Care and Management (HCM): From Research to Implementation

25 March – 28 June 2019 at Swiss TPH, Basel / Switzerland

### Learning objectives and course content

After successfully completing the course participants will be able to achieve the objectives outlined below.

### Introduction

#### Setting the Scene

- to demonstrate an in-depth understanding of international/global health and the HCM
- to appraise the teaching and learning concepts at the Swiss TPH
- to apply common scientific standards and professional presentation skills

Content: Introduction to HCM, PHC and international/global health, concepts of learning and how to present, introduction to IT infrastructure and information, documentation

**36 hours student investment time**

### Concepts and research methods

#### Basic Tool Kit

- to critically apply the basic concepts, methods and tools for collecting, analysing & interpreting qualitative and quantitative data
- Content: Basic statistics, statistic tutorials, basic epidemiology, introduction to evidence based medicine, introduction to qualitative research methods, introduction to epidemiological software

**94 hours student investment time**

#### Applied Epidemiology

- to design a study protocol based on the concepts and strategies of epidemiological research
- to critically reflect and interpret selected research findings

Content: Epidemiological framework, population based sampling, study protocol, study instruments, analytical plan and presenting the study

**40 hours student investment time**

#### Community Approach

- to apply research methods, tools and communication skills in a field study and to present the results and the study process
- Field exercise in a rural part of Switzerland

**54 hours student investment time**

### Health challenges

#### Essential Laboratory and Parasitology

- to identify the most important parasites and vectors
- to describe their cycles and transmission
- to reflect on prevention and vector control strategies

Content: Introduction to medical parasitology, essential laboratory, integrated vector management

**40 hours student investment time**

#### Health Care

- to know the basics of clinical presentation of selected diseases
- to critically analyse disease patterns, transmission, prevention strategies and treatment concepts of selected important health problems
- to appraise gender, socio-economic and cultural determinants of health in a cross disciplinary perspective

Content: Gender and health, respiratory infections, tuberculosis, tuberculosis AB-resistance, linking environmental health sciences to healthy policies, climate change and health, diarrhoea, filarial infections, schistosomiasis, neglected tropical diseases, malaria, viruses hepatitis/hepatopathies, HIV/AIDS "seek-test-treat-retrain", integrated management of childhood illnesses, growth and nutrition, sexually transmitted infections, dermatology, non-communicable diseases, accidents due to venomous and poisonous animals, one medicine potential (human/animal) and primary oral health care, visit WHO (polio eradication, mental health and ICRC (water sanitation, health in detention)

**135 hours student investment time**

### **Reproductive and Child Health**

– to critically appraise the dimension of reproductive health in the 21st century and to evaluate selected actions in this field

Content: Introduction to sexual and reproductive health and rights, family planning and the post-2015 Agenda, safe motherhood, maternal, newborn and child health, sexual and reproductive health and human rights, HIV and AIDS, socio-cultural and economic mediators of sexual and reproductive health

**45 hours student investment time**

### **Health system management**

#### **Information, Education, Communication**

- to appraise tools and methods for community empowerment
- to appraise the particularities of inter-cultural and gender settings
- to apply concepts, methods and tools in order to reach a common understanding
- to apply the basic principles of group dynamics
- to practice clearly and effectively written communication

Content: Health promotion and community empowerment, culture's consequences, working in groups, communicating effectively about rational drug use, essay writing in international health

**50 hours student investment time**

#### **Management Strategies and System Thinking**

- to adopt a systemic view on health and health systems at local, national and international level
- to critically appraise the different strategies, concepts and tools of managing (strategic and operational) health and health related issues and evaluate them based on evidence and professional experience

Content: Health systems: an introduction, concept of sustainable development goals, project cycle management and logframe, financing and payment of health services at district level, cost effectiveness in setting priorities, health workforce development, health in humanitarian assistance, technology management and eHealth, access to essential medicines, social marketing, sector wide approach, health system strengthening and equity, integrating new interventions in the health system, health metrics in health systems, improving health systems and quality of care

**135 hours student investment time**

#### **Total hours:**

**629 hours student investment time with approx. 60% direct contact time**

#### **For further information please contact:**

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Basel, May 2018

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