VIETNAM ONE HEALTH UNIVERSITY NETWORK (VOHUN)

ONE HEALTH TRAINING PROGRAMS IN VIETNAM

VOHUN



Ö

INTRODUCTION

One Health is a transdisciplinary collaborative approach to improving the health of humans, animals and the environment, endorsed by FAO, OIE and WHO. The One Health approach encourages the collaborative efforts of multiple disciplines working locally, nationally, and globally to apply their collective knowledge to attain optimal health for people, animals, and our environment. In addition to the application of One Health for general prevention of infectious diseases, One Health is particularly important for the detection, prevention and response for zoonotic diseases such as HPAI, rabies and anthrax.

One Health core competencies are the knowledge, skills and attitudes that each member of a OH team need to solve OH problems. The One Health core competencies initiative involved US partners (University of Minnesota, Tufts University), the South East Asia One Health University Network (SEAOHUN), and One Health Central and Eastern Africa (OHCEA), in building a competency framework and developing training materials to be used for revising courses and developing new ones. The OHCC framework encompasses three levels of program and curriculum development.

- Country level competencies to facilitate curriculum development to meet the needs of institutions and programs within a specific country.
- Regional competencies to facilitate coordination of curriculum development within a regional network such as SEAOHUN or OHCEA.
- Global competencies to facilitate sharing curriculum development across regional and network boundaries.

The Vietnam One Health University Network (VOHUN) was established on 22 November 2011 with support from the USAID-RESPOND project. The network brought together 18 medical, veterinary, nursing and public health universities/ faculties to promote and develop the One Health concept in Vietnam. From 2015-2019, the One Health Workforce project aim is to develop capacity in Vietnam to apply the One Health approach through training activities and research in member universities, building a generation of new lecturers and researchers with good knowledge and skills to prevent, detect, and respond to outbreaks of zoonoses and other infectious diseases. The aim of this book is to provide information on graduate and post-graduate courses and modules in training programs in Vietnamese universities/faculties, including the training content related to One Health, using the following structure:

Part I: One Health master programs;

Part II: One Health as a compulsory undergraduate subject;

Part III: One Health as an elective undergraduate subject;

Part IV: One Health integrated into existing courses;

Part V: One Health in-service training courses.

Our group would like to express our gratitude to the lecturers and coordinators from VOHUN university members for their kind support, comments and feedback during the compilation process. Without your help this book would not have been possible.

Sincerely, VOHUN National Coordinating Office.

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VOHUN

VIETNAM ONE HEALTH UNIVERSITY NETWORK

Vietnam One Health University Network (VOHUN) is a part of the South East Asia One Health University network (SEAOHUN) and was established in 2011 with the support of USAID through the RESPOND project. VOHUN has 17 universities in Vietnam, including faculty of medicine, veterinary medicine, public health and nursing. There are five main core universities - Hanoi University of Public Health (HUPH), Hanoi Medical University (HMU), Vietnam National University of Agriculture (VNUA), Hue University of Agriculture and Forestry (HUAF) and the University of Medicine and Pharmacy in Ho Chi Minh City (UMPHCM).

The National Coordinating Office, connecting the faculties and universities, is located in Hanoi University of Public Health. The network coordinates other universities, institutions and NGOs to contribute to promoting One Health for humans, animals and the environment. The main objective of the network is to develop the response capacity in Vietnam to combat emerging and re-emerging infectious diseases, including zoonoses. Through training of university staff and students, and support for multidisciplinary research, the network will provide knowledge, skills and a strategy for enhancing the One Health approach in Vietnam.

The second phase of the project (2015-2019) is aimed at developing a well-trained One Health Workforce (OHW) by Universities to support Government agencies that plan and implement disease control strategies using the OH approach.

VOHUN's VISION is to support a National One Health network to prevent emerging zoonoses and other infectious diseases.

VOHUN's MISSION is to use the strengths of Vietnam's Universities to build a One Health workforce with the knowledge, skills and attitudes to prevent emerging and re-emerging zoonoses and other infectious diseases.

VOHUN's LONG TERM OBJECTIVE is to help develop Vietnam's capacity to implement a One Health approach through training and research at member universities in order to contribute to the development of a new One Health community.

VOHUN's SHORT TERM OBJECTIVES:

- Assess and define the One Health Workforce through planning and policy communication with Government counterparts.
- Educate and train student's to be the One Health workforce in the future (Preservice)
- Educate and train staff and specialists from government agencies, the current One Health Workforce (In-service)
- Develop and promote the capacity of university staff and researchers to train the current and future OH workforce
- Develop VOHUN to become a sustainable institution for long term development of Vietnam's One Health Workforce

VOHUN ACTIVITIES

VOHUN promotes the integration and use of the 7 One Health core competencies and 8 technical competencies defined by the USAID-funded RESPOND project into a number of current or planned One Health training programs including:

- International Master of Public Health One Health Oriented;
- Master of Public Health Environmental Health Oriented;
- Master of Veterinary Public Health;
- Zoonoses training modules;
- One Health and Health Programs;
- One Health and Eco Health programs;
- One Health field-based training for veterinary and health practitioners;
- One Health field-based training for students.

VOHUN's ACHIEVEMENTS

Throughout 7 years of efforted development, VOHUN has achieved remarkable results:

- OH trained lecturers: 200 lecturers, included 122 human health lecturers and 78 animal health lecturers.
- OH trained taff: 100 staffs, included 50 health staffs and 50 veterinary staffs.
- OH student clubs: 12 clubs with 777 students, included 486 health students and 291 veterinary students.

ONE HEALTH CORE COMPETENCIES AND TECHNICAL MODULES

The One Health concept is a worldwide strategy for expanding interdisciplinary collaboration and communication in all aspects of health care for humans, animals and the environment. From the viewpoint of public health, the main objective of One Health (OH) is to promote the best possible human health. Human health can be seen as an interface with animal and environmental health. From the perspective of veterinary medicine, veterinary public health can be seen as a contribution from veterinary medicine to public health using a One Health approach.

One Health Competencies are the knowledge, skills and attitudes required by each member of a One Health team for health problem solving. One Health competencies include 15 modules: 7 core competency modules and 8 technical modules.

The core competencies are fundamental for supporting the technical modules as they provide the skills and knowledge for applying technical expertise in a One Health context. These competencies are interdependent. For example: behavior change requires that the One Health professional understands how culture and beliefs shape an individual's and a community's attribution of disease; public health requires leadership and collaboration to develop and implement policies and regulations.

The technical competencies are also interdependent. For example, Infectious Disease Management requires an understanding of the Fundamentals of Infectious Disease and Behavior Change.

I. ONE HEALTH CORE COMPETENCIES

1. Collaboration and Partnership

At the centre of One Health is the ability to form partnerships and collaborate across disciplines. This module builds an understanding of, and aptitude in, the basic principles of collaboration and partnership, in the context of a One Health approach to addressing complex health challenges. Among other innovative teaching activities, the module uses the "Marshmallow Challenge" a fun and instructive exercise that allows students to experience simple but profound lessons in collaboration, innovation and creativity.

Competencies

• Promote inclusion of representatives of diverse constituencies across human, animal, environmental health and other relevant disciplines.

2. Communication and Informatics

This module fosters an understanding of effective communication and informationsharing across disciplines and sectors. Students will learn about verbal and nonverbal communication as they practice the critical communication skills of listening, asking open-ended questions and paraphrasing. They will apply these skills as they practice developing and delivering One Health messages to a range of stakeholders.

Competencies

- Describe basic communication techniques and tools (e.g. written communication, multi-media, social media, interactive discussion, listening).
- Understand the fundamentals of risk communication.
- Understand a variety of ways to manage and share information.

3. Culture and Beliefs

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Culture and belief are a set of capabilities that focus on effective communication and interaction through an understanding of the diverse social norms, roles and practices of individuals, communities, and Organizations affect the intended outcome of the One Health program.

A collection of cultural concepts shows that culture is a complex, abstract and diverse domain. Culture is the way people adapt to their surroundings. Culture and belief are understood to be an external manifestation of individual health from the synthesis of mental, physical and behavioral/lifestyle. Thus, cultural competence and belief in One Health emphasize the harmony between science and culture and the beliefs of the people in the community to have a proper behavior when dealing with a problem health.

Competencies

- Identify and interpret local norms, wisdom and culture about human, animal and environmental health.
- Generate trust among the community during One Health interventions.
- Demonstrate values, ethics and professionalism in planning and implementing One Health interventions.

4. Value and ethics

Valuable and ethical capacities include the capacity to identify and respond in a respectful and fair manner to responsibilities and rights across all sectors and sectors when responding to health issues. The demand for respect and fairness is especially necessary for cross-sectoral health within a diverse population of humans, animals and ecosystems. Valuable and ethical capacities also require comprehensive and comprehensive level of information sharing and analysis to get sufficient impact on decision-making at the local, national level. and international level.

This capability demonstrates the personal, ethical, and professional values in planning and implementing interventions in One Health. A health professional needs to respect and treat the individual well and is always willing to listen and accept personal opinions from different sectors and disciplines, thereby changing the mindset, A new information-based approach or new situation. This reflects the behavior of others in an honest, fair and respectful manner.

5. Leadership

This module discusses leadership in the context of One Health as the 'ability to catalyze collective action for positive change'. In this module, students will explore the range of leadership skills, knowledge and behaviors that One Health professionals must demonstrate to be effective in their work, examine their own personal leadership styles and the impact they have on their ability to work in groups, and to review techniques for empowering others to take collective action.

Competencies

- Understand and define the importance of leadership and how cultural and multisectoral lenses have an impact on our perceptions of effective leadership.
- Demonstrate an understanding of effective leadership in the One Health context.
- Develop and adapt personal leadership styles.
- Apply strategies for engaging and empowering others to take collective action.

6. Planning and Management

Following Peter Drucker's premise that leadership is about doing the right thing and management is about doing things right, this module focuses on management skills including work planning, monitoring and evaluation of programs, anticipating problems and finding solutions. The module discusses the use of Six Sigma tools for effective project management. In addition, the module addresses the importance of a manager to a One Health team in areas such as recognizing and managing stress so that the team can be effective in responding to an emerging pandemic threat.

Competencies

- Understand the difference between managing and leading and the importance of each to a successful One Health initiative.
- Develop work plans to organize and monitor progress.
- Ensure policies, procedures and systems are in place to guide and support the One Health initiative.
- Oversee implementation and monitoring of programs to maximize the effectiveness of One Health actions and to produce desired outcomes.
- Overcome barriers, solve problems and apply corrective active during One Health initiatives.
- Evaluate and share lessons learned after the initiative has ended.
- Ensure the safety and well-being of the One Health team.

7. Systems Thinking

Using a problem-based learning approach, this module provides students with the skills necessary to use system thinking approach to prevention, detection and response to emerging infectious disease threats. Key outcomes of this module are (i) the ability to use systems thinking to create maps of complex systems that include human, animal, environment and ecological components (ii) to operate as part of a One Health team that uses systems maps to develop solutions to complex problems, integrating information from multiple and sectors, to develop strategies to address One Health challenges, and (iv) to anticipate and mitigate potential unintended consequences of One Health actions.

Competencies

- Describe the elements of complex problems and systems thinking.
- Create and use systems mapping to deepen understanding of One Health problems.
- Partner with One Health team members to develop solutions to complex One Health problems using systems thinking tools.

II. TECHNICAL MODULES

1. Definition and One Health concepts

The history of One Health, the array of disciplines that must work together to solve some of the world's most difficult health issues, and important One Health terms and concepts will be introduced. Students will be able to understand and explain the importance of taking an approach and perspective that integrates human, animal and ecosystem health to respond to and control emerging and re-emerging infectious diseases and other threats.

Competencies

- Explain the history and concepts of One Health.
- Describe the One Health Core Competency (OHCC) domains and their application.
- Describe the application of the One Health approach in real-life scenarios

2. Fundamentals of Infectious Diseases

This module fosters an understanding of the basic principles of infectious diseases in the context of One Health. The module will use a One Health approach to examine various important zoonotic infectious diseases of humans and animals and will help students how infectious diseases spread and their impact on daily life.

Competencies

- Describe the fundamental concepts of infectious diseases caused by bacteria, viruses and parasites
- Interpret how infectious diseases spread and their impact on daily life
- Identify problems relating to culture and traditional practices (e.g. livestock, sanitation)
- Integrate the respective elements of fundamental concepts of infectious disease
- Apply various communication strategies in writing, oral presentation, and role plays
- Discuss the ecology and epidemiology of important infectious diseases and zoonoses

3. Infectious Disease Management

Infectious disease management is a comprehensive way of thinking and looking at the problem of infectious disease using multiple perspectives over the whole spectrum of disease management including surveillance, health promotion, prevention, detection, treatment and rehabilitation from the perspective of host/ agent/environment. This module fosters an understanding of the concept of One Health programs in infectious disease management at the individual and societal levels, which is critical to working across disciplines and contexts to achieve the goals of One Health. Students will also understand the interplay among agent, host and environment, when developing interventions to control outbreaks and developing strategies to eradicate disease.

Competencies

- Identify and analyze the risk factors associated with illness during an infectious disease outbreak or epidemic.
- Design an infectious disease management plan.
- Evaluate the effectiveness of One Health actions in infectious disease management.
- Design a disease surveillance and monitoring system.

4. Epidemiology and Risk Analysis

Epidemiology, epizootiology and population health are all terms describing the study of health and disease in populations, as distinct from individuals. Risk analysis is a systematic approach to evaluating both the likelihood of occurrence and the magnitude of impact of a adverse event, and in taking steps to mitigate that risk and communicate with relevant stakeholders and populations. Epidemiology and risk analysis are both important to the practice of the One Health approach, and professional health science programs incorporate these topics to some degree in their curricula. Recognizing that a One Health approach is broad and includes many disciplines distinct from health sciences (such as economics, social sciences, law and policy, and many others), this module is designed to introduce those with little or no background in epidemiology to the history, concepts, theories, terminology and practice of epidemiology, to improve their ability to collaborate with epidemiologists

Competencies

- Define epidemiology and the basic terminology and concepts used in epidemiology.
- Explain critical components of the practice of epidemiology.
- Explain the major components of disease risk analysis and how disease risk analysis links science to policy.

5. Public Heath

This module brings a One Health approach to public health by looking at the interface between human, animal and ecosystem health and exploring how to prevent disease and promote health within groups of people, from small communities to entire countries. Topics in this module include air quality, water quality and sanitation, food safety and security, epidemiology and biostatistics, maternal and child health and social sciences as students are introduced to critical public health topics. The module includes discussions on policy and stakeholder involvement.

Competencies

- Understand public health practice and its relationship to One Health.
- Understand and define the inter-relationships among government authorities, policymakers, industry and researchers related to implementation of public health programs.

- Analyze and comment upon the suitability of national or local public health policies.
- Use systems thinking to analyze issues and create effective public health policies.

6. Ecosystem Health

This module fosters an understanding of the basic principles of ecosystem health in the context of One Health. Students will explore three South East Asian ecosystems mangroves, tropical rainforests and coral reefs, and analyze how natural and anthropogenic changes to the environment can affect animal and human health locally, regionally and nationally. The capstone of the module is a real-world simulation in which students discover the questions they need to ask about the impact of extractive industries on human, animal and ecosystem health.

Competencies

- Understand fundamental ecological and ecosystem principles.
- Recognize the inter-relationships among ecosystems, animal health and human health.
- Analyze the effects and impacts of anthropogenic changes on the environment, human health and animal health.

7. Behavior Change

In this module, students use research and models for behavior modification from a health care context to develop behavior change models for One Health interventions to analyse how human behavior change impacts not only human health, but also animal and ecosystem health. The first half of the module addresses individual behavior change; the second half addresses organizational and community change.

Competencies

- Explain behavior change theories and change management concepts.
- Adapt and apply models for individual behavior change for One Health contexts.
- Demonstrate cultural competency and professionalism in leading change.
- Design behavior change strategies for One Health interventions in communities.

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ONE HEALTH TRAINING PROGRAMS





I. HANOI MEDICAL UNIVERSITY

1A Ton That Tung street, Dong Da, Hanoi

International Master of Public Health - One Health Oriented

- 1. Outcome:
- A. Overview:

Master of Public Health will provide the capacity (knowledge, skills, attitude) to identify and propose solutions for health problems in communities

B. Detail

After completing this program, students will be able to:

- Solve health problems in communities:
 - + Identity health problems in communities
 - + Propose recommendations to minimize health problems based on available resources and health care principles
 - + Plan, implement, monitor and assess health programs and public health activities.
- Communication and training:
 - + Develop a plan for drafting health education materials and implementing public health activities in communities
 - + Develop plans and organize training courses for public health staff
- Design and implement research for health assessment of communities
- Guide and implement policies and laws related to health with participation of communities and other organizations

- Collaborate and build multidisciplinary relationships with individuals, organizations, government authorities, NGOs and community organizations at all levels
- Observe ethical values in public health practice.
- Apply social and culture perspectives in solving problems related to public health
- Demonstrate leadership and systems thinking capacity for public health activities
- 2. Duration: 12 months
- 3. Training form: Full time
- Candidate: Bachelor degree from all majors and fields. Priority will be given to a Bachelor degree in medicine, public health, life sciences or social sciences. International students accepted.
- 5. Required:
- Bachelor degree
- At least one year's experience working in fields related to medicine, public health, environmental science, veterinary medicine (except people who hold a degree of medicine, public health, life sciences, veterinary medicine or environmental science)
- TOEFL 500 or IELTS 5.5
- 6. Admission form: Interview
- 7. Time: July
- 8. Degree: Master of Public health (MPH)
- 9. Total subject: 10 subjects
- Compulsory: 07 subjects (26 credits)
- Elective: 03 subjects (6 credits)
- Thesis: 8 credits
- Total of credits: 40 credits
 - » Theory: 369 hrs
 - » Practice: 424 hrs

- 10. Graduate form: Thesis
- 11. Teaching materials:
- Lecture presentations and reading materials
- 12. Started year: 2016
- **13.** Coordinator: Assoc. Prof. Le Thi Huong Director of Institute of Preventive medicine and Public Health

Contact:

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- Phone: 091 5648237

Subject	Code	No. lecture	Credit	Theory (hr)	Practice (hr)	Form
Introduction to Biosta - tistics	IB03	9	03	30	30	Required
Environmental health	EH05	9	05	45	60	Required
Global health	GH03	9	03	34	26	Required
Health management and policy	HMP03	8	03	30	30	Required
Applied epidemiology	AE05	10	05	48	54	Required
Health education and Health promotion	HEHP0 3	7	03	22	44	Required
Public health ethics	PHE02	8	02	20	20	Required
Health economics	HE03	11	03	30	30	Elective
Nutrition and Food safety	NFS02	5	02	20	20	Elective
Population and health	PH02	7	02	22	16	Elective
Occupational health	OHS02	6	02	18	24	Elective
Research methodology	RM02	9	02	15	30	Elective
Project management	PM02	9	02	15	30	Elective
Social and Cultural perspectives on Health	SCH02	8	02	20	10	Elective
Thesis			08			Elective

II. HANOI UNIVERSITY OF PUBLIC HEALTH

1A Duc Thang street, Bac Tu Liem, Hanoi

Master of Public health tracking Environmental health (in progress)

- 1. Expected object and requirements (for admission to the Master of Public Health program)
- Required:
 - Graduated with a degree in Public health (includes: Public health, nutrition, medical biochemistry, medical imaging, physiotherapy)
 - Graduated with another degree relevant to the PH field: Graduates in the field of health science, except health services management, have to study 2 additional subjects in the specialized knowledge supplementary program: (Introduction to Public health; Health Management Organization)
 - Graduated from other disciplines: need to study 4 additional subjects (Physiology, Genetics, Introduction to Public Health and Health Management)
- Experience:
 - Candidates who graduated PH, Health Service Management, Health Science discipline with a good GPA will be allowed to take an enrolment examination without work experience. If the candidate does not have a good GPA, they require at least 1 year's experience in a health-related field
 - Candidates who graduated from any other disciplines need to have at least 2 years experience in a health-related field

2. Subjects included in the enrolment examination

Candidates will take three subjects in the enrolment examination: Mathematics, English, and Epidemiology-Environmental health

3. Enrolment procedures: (i) Enrolment examination. (ii) Full-time from minimum 18 months to maximum 42 months from the date of recruitment.

4. Expected number of subjects:

No	Subject	Number of credits
1	Common subjects (Philosophy and English)	6
2	Basic and specialized subjects	
2.1	Required subjects for public health	19
2.2	Required subjects for environmental health	14
2.3	Elective subjects for environmental health/ public health	4
3	First assignment and thesis on environmental health	17
	TOTAL	60

- 5. Total number hours for 14 required credits on environmental health (each subject has one self-learning credit): 150 hrs
- Theory: 98 hrs
- Practice: 52 hrs
- 6. Expected graduation form: Thesis
- 7. Coordinator: Dr. Le Thi Thanh Huong Deputy head of Faculty of Environmental and occupational health

Contact:

- Email: lth@huph.edu.vn
- Phone: 091 2056596
- **8. Expected teaching materials:** Textbook in Environmental Health, and other textbooks for the Master of Public Health training program
- 9. Expected starting time: 2018 2019

10. Expected outcomes:

I. C	OUTCOMES OF PUBLIC HEALTH PR	OGRAM
1	Understand the core knowledge on public health, includes: statistics-advanced epidemiology, environmental health, behavioral science, health management, and health policy	Understand the core knowledge on public health, includes: statistic - basic epidemiology, environmental health, behavioral science, health management, and health policy
2	Understand the basic components system	and structure of Vietnamese health
3	Respect the opinions of communit resolution of health issues	y and stakeholders in detection and
4	Apply management skills in planning and conducting research	Apply management skills to manage unit/organization and solve health problems
5	Develop and implement research with different designs to provide scientific evidence to stakeholders in solving health issues	Develop and implement reseach with Basic designs to provide scientific evidence that applying in solving the works of unit/organization
6	Synthesize and communicate research results effectively to different stakeholders	Use evidence for community and stakeholder advocacy, decision making, policy development and implementation
7	Participate in the development and assessment of health policies to address health problems	Participate in the development of health policies to develop unit/ organization and address health problems
8	Advocate with community and sta addressing health problems based	
9	Effectively apply soft skills (commu etc) in the work	inication, decision making, teamwork,

10	Demonstrate self-learning as well as encouraging and influencing
	colleagues in continuous learning and specialized development.

II. OUTCOMES OF ENVIRONMENTAL HEALTH PROGRAM

1	Plan, conduct assessments and communicate on environmental health risks	Plan the management and communication on environmental health issues
2	Apply the core principles of Ecohealth and One Health approaches to study of priorities in environmental health such as drinking water supply, waste management, climate change, zoonoses	Apply the core priciples of Ecohealth and One Health approaches to plan, implement, monitor, and assess the priorities in environmental health such as drinking water supply, waste management, climate change, zoonoses
•		

Plan and implement activities of health and environment impact 3 assessments related to projects and strategy development.

11. Expected lessons:

Subject	Lecturer	No lesson	Credit	Theory (hour)	Practice (hour)	Form (Required/ Elective)
Climate change	Dr. Le Thi Thanh Huong Dr. Tran Thi Tuyet Hanh Assoc. Prof. Ha Van Nhu Dr. Pham Duc Phuc	5	3	20	10	Required
Ecohealth approach in research and manage	Dr. Tran Thi Tuyet Hanh Dr. Le Thi Thanh Huong Dr. Pham Duc Phuc MSc. Luu Quoc Toan	5	3	20	10	Required

Subject	Lecturer	No lesson	Credit	Theory (hour)	Practice (hour)	Form (Required/ Elective)
Ecohealth approach in research and manage	Dr. Tran Thi Tuyet Hanh Dr. Le Thi Thanh Huong Dr. Pham Duc Phuc MSc. Luu Quoc Toan MSc. Dang Xuan Sinh	6	3	20	10	Required
Health impact assessment	Dr. Le Thi Thanh Huong Dr. Pham Duc Phuc Dr. Tran Thi Tuyet Hanh Dr. Le Thi Thanh Xuan Dr. Tran Quynh Anh	8	3	20	10	Required
Medical waste management	Dr. Le Thi Thanh Huong Assoc. Prof. Nguyen Huy Nga Assoc. Prof. Pham Ngoc Chau MSc. Phung Xuan Son	9	3	16	22	Required
Planning and Water quality surveillance	Dr. Tran Thi Tuyet Hanh Dr. Le Thi Thanh Huong MSc. Dan Thi Lan Huong MSc. Phung Xuan Son	11	3	18	22	Required
Management of emerging and reemerging zoonotic diseases	Dr. Le Thi Thanh Huong Dr. Pham Duc Phuc Dr. Trinh Dinh Thau Dr. Lai Thi Lan Huong Dr. Tran Thi Tuyet Hanh	7	3	16	18	Required
Total		56	23	150	102	

III. NONG LAM UNIVERSITY AT HO CHI MINH CITY

KP6, Linh Trung ward, Thu Duc district, Ho Chi Minh city

Masters Program of Veterinary Medicine, specializing in Veterinary Public Health

- 1. Expected duration: 18 months (12 months theory and 6 months thesis)
- 2. Expected form: Fulltime
- **3.** Entrance qualification: Graduate in veterinary medicine, animal husbandry, fisheries, medicine, food technology, biotechnology, or other related field.
- 4. Expected requirement:

Hold a bachelor's degree in one of the disciplines listed above or a related discipline IELTS 5.0 or equivalent

- 5. Expected enrollment form: Interview
- 6. Expected deadline for application: April and August
- 7. Expected degree: Master of Veterinary Medicine Veterinary Public health
- 8. Expected language: English
- 9. Thesis: 15 credits
- 10. Total credits: 45 credits
- 11. Coordinator: Assoc. Prof. Le Quang Thong

Contact:

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- Phone: 091 9625645

ONE HEALTH TRAINING PROGRAMS

ONE HE OH AS A COMPULSORY SUBJECT



I. HAI PHONG UNIVERSITY OF MEDICINE AND PHARMACY

72 Nguyen Binh Khiem street, Dang Giang, Ngo Quyen, Hai Phong

- 1. Subject: One Health and health programs
- 2. Credit: 2
- 3. Class: 30 hours
- 5. Method:
- Compulsory subject for Preventive Medicine students
- Elective subject for Master of Public Health students
- 6. Objectives: Preventive Medicine Doctor, Master of Public Health
- 7. Teaching materials:
- One Health in Preventive Medicine and Public Health
- Powerpoint presentations
- Materials on website: http://seaohunonehealth.wordpress.com
- 8. Started: 2017 2018
- 9. Outcomes: The year of After completing this course, students will be able to:
- Understand One Health concepts and the importance of One Health Core Competencies
- Define One Health issues and the need for multidisciplinary teams to solve them, including health, veterinary and environmental sectors

10. Subject Coordinator: MSc. Nguyen Thanh Hai

Contact:

- Email: hainguyenthanh7@gmail.com
- Phone: 091 3513654

11. Lectures:

Lecture	Lecturer	Falcuty	Theory hours	Practice hours
Overview of One Health and One Health approach	Assoc. Prof. Pham Minh Khue/ MSc. Nguyen Thanh Hai	Occupational Health	2	0
Ecohealth	Assoc. Prof. Duong Thi Huong	Environmental Health	2	1
Factors involved in outbreaks of infectious diseases and relevant diagnostic methodolo- gies	Dr. Vu Hai Vinh/ MSc. Pham Thi Van Anh	Infectious/ Microorganism	2	1
Zoonotic diseases	Dr. Dinh Thi Thanh Mai/ Dr. Vu Van Thai	Parasites	2	0
Systems thinking	Assoc. Prof. Pham Minh Khue	Occupational Health	2	1
One Health policies	Specialist Doctor II Nguyen Ba Dung	Social health	1	1
Culture and Beliefs and One Health	MSc. Tran Thi Thuy Ha	Social health	2	1

Lecture	Lecturer	Falcuty	Theory hours	Practice hours
Risk analysis	MSc. Nguyen Thi Tham	Nutrition	2	1
One Health Economics	MSc. Tran Thi Bich Hoi	Environmental Health	2	0
Team work and Collaboration	MSc. Nguyen Thi Thanh Binh	Epidemiology	2	1
One Health scenarios	MSc. Pham Thi Van Anh/ Dr. Vu Hai Vinh	Epidemiology/ Infectious	0	4

II. THAI BINH UNIVERSITY OF MEDICINE AND PHARMACY

373 Ly Bon street, Thai Binh city, Thai Binh province

- 1. Subject: One Health
- 2. Credits: 2 (1 Theory, 1 Practice)
- 3. Hours: 30
- 4. Method: Compulsory subject
- 5. Objective: Preventive Medicine Doctor
- 6. Teaching materials: One Health in Preventive Medicine and Public Health
- 7. Started year: October 2017
- 8. Objective: After completing the course, students will be able to:
- Present basic knowledge of One Health concepts and One Health Core Competencies
- Understand the importance of the One Health approach in solving health problems
- Apply One Health principles and approach to improve the health of humans, animals and the environment
- 9. Coordinator: MSc. Nguyen Huu Ngu

Contact:

- Email: huunguytb@gmail.com.
- Phone: 098 8347506

10. Lectures:

Lecture	Lecturer	Department/ Faculty	Theory hours	Practice hours
Overview of One Health and the One Health approach	Assoc. Prof. Ngo Thi Nhu	Public Health	2	0

Lecture	Lecturer	Department/ Faculty	Theory hours	Practice hours
Ecohealth	Assoc. Prof. Ngo Thi Nhu	Public Health	2	2
Defining and solving specific health problems using a OH approach	Assoc. Prof. Ninh Thi Nhung	Public Health	1	3
Systems thinking and One Health	Assoc. Prof. Ngo Thi Nhu	Public Health	1	3
Policies related to One Health	MSc. Ngo Van Dong	Public Health	1	1
Culture and Beliefs and One Health	Special Doctor II Tran Thi Thu Ha	Public Health	1	2
Health Econoics	MSc. Ngo Van Dong	Public Health	1	3
Teamwork and collaboration in the One Health Approach	MSc. Nguyen Van Thinh	Public Health	2	4
Factors involved in outbreaks of infectious disease and relevant diagnostic methods	Dr. Dang Bich Thuy	Public Health	2	2
Zoonoses	MSc. Nguyen Huu Ngu	Public Health	2	4
Risk analysis and infetious disease control	Dr. Pham Thi My Hanh	Public Health	2	4
Total			16	28

III. VIETNAM NATIONAL UNIVERSITY OF AGRICULTURE (VNUA)

Trau Quy, Gia Lam, Ha Noi

- 1. Subject: One Health
- 2. Credits: 2
- 3. Hours: 30
- 4. Method: Compulsory Subject
- 5. Object: Veterinary Doctor
- 6. Materials for teaching:
- Textbook "One Health for Preventive Medicine Student"
- 7. Time to start: 2017
- 8. Outcome: After completing this subject, students will be able to:

Understand One Health concepts, the risk of epidemics arising from animal to human contact and application of the One Health approach for zoonotic disease management.

9. Coordinator: Assoc. Prof. Pham Hong Ngan

Contact:

- Email: phngan@vnua.edu.vn
- Phone: 091 2288450

10. Lessons:

Name of lesson	Lecturer	Organization	Theory hours (22)	Practice hours (8)
Overview of One Health	Assoc. Prof. Pham Hong Ngan	Public Health Veterinary Faculty	3	0
One Health approach in the management of zoonotic diseases	Assoc. Prof. Pham Hong Ngan	Public Health Veterinary Faculty	3	0

Name of lesson	Lecturer	Organization	Theory hours (22)	Practice hours (8)
Cross-sectoral coordination in One Health	PhD. Trinh Dinh Thau	Anatomy Faculty	4	0
Disease in the population	Assoc. Prof. Nguyen Ba Hien	Infectious Microor- ganisms Faculty	3	1
Sampling methods for monitoring and diagnosis of zoonotic diseases	PhD. Lai Thi Lan Huong PhD. Nguyen Van Giap	Anatomy Faculty and Infectious Microorganisms Faculty	3	1
Systems thinking in One Health	PhD. Duong Van Nhiem	Public Health Veterinary Faculty	3	0
Communication	PhD. Lai Thi Lan Huong	Anatomy Faculty	3	1
Application of One Health in surveillance and management of zoonotic diseases	PhD. Lai Thi Lan Huong PhD. Nguyen Van Giap	Anatomy Faculty and Infectious Microorganisms Faculty	0	0
ONE HEALTH INTEGRATED				
Veterinary epidemiology: Risk analysis Disease prevention and management plans	Assoc. Prof. Nguyen Ba Hien	Infectious Microor- ganisms Faculty		
Animal testing: Testing products of animal origin	PhD. Duong Van Nhiem	Public Veterinary Faculty		
Food safety: One Health concepts	Assoc. Prof. Pham Hong Ngan	Public Veterinary Faculty		

IV. THAI NGUYEN UNIVERSITY OF AGRICULTURE AND FORESTRY (TUAF)

Quyet Thang Commune, Thai Nguyen City

- 1. Subject: One Health
- 2. Credits: 2
- 3. Hours: 30
- 4. Form: Elective
- 5. Subject/Compulsory: Veterinary doctor
- 6. Teaching Materials: One Health Curriculum (for Veterinary students)
- 7. Time to start: August, 2017
- 8. Outcome: After completing this subject, students will be able to:
- 9. Use One Health knowledge and skills to solve health problems using a One Health approach
- Throughout this subject, students will have One Health basic concepts and core competences of that will be able to identify and involved problems with the participation of many stakeholders (medical, veterinary, environment and other department).
- 10. Coordinator: Dr. Phan Thi Hong Phuc

Contact:

- Email: phanthihongphuc@tuaf.edu.vn
- Phone: 098 8706238

11. Lecture:

Lesson	Lecturer	Organization	Theory Hours	Practice Hours
One Health basic concepts	Phan Thi Hong Phuc	Veterinary Faculty	3	6
Ecosystem Health	Tran Nhat Thang	Veterinary Faculty	2	4
Systems thinking and One Health	Phan Thi Hong Phuc	Veteritary Faculty	1	2
One Health policies	Phan Thi Hong Phuc	Veterinary	1	2
Culture and Beliefs and One Health	Tran Nhat Thang	Veterinary Faculty	1	2
One Health Collaboration	Tran Nhat Thang	Veterinary Faculty	1	2
Planning and Management using OH principles	Phan Thi Hong Phuc	Veterinary Faculty	1	2
Teamwork in One Health	Phan Thi Hong Phuc	Veterinary Faculty	1	2
One Health economics	Phan Thi Hong Phuc	Veterinary Faculty	1	2
Application of One Health Core Competencies for outbreak management	Phan Thi Hong Phuc	Veterinary Faculty	1	2
Application of One health Core Competencies to respond to issues at the human-animal interface	Tran Nhat Thang	Veterinary Faculty	2	4

OH AS AN ELECTIVE SUBJECT

ONE HEALTH TRAINING PROGRAMS



I. HANOI MEDICAL UNIVERSITY

No 01A Ton That Tung street, Dong Da district, Hanoi

- 1. Subject: One Health
- 2. Credit: 03 (02 theory, 01 practice)
- 3. Hour:
- Theory: 30 hrs
- Practice: 30 hrs (including fieldwork)
- 4. Form: Elective
- 5. Subject: Preventive medicine doctor students
- **6. Teaching material:** One Health approach in Preventive Medicine and Public Health (Vietnamese version)
- 7. Started year: 2015-2016 academic year
- 8. Outcome: After completing this subject, students will be able to:
- Describe the basic concepts of One Health and the OH approach
- Discuss the interactions between human, animal and environmental factors that result in health problems
- Analyse the risks and management strategies for preventing zoonoses in communities
- Describe the cultural, and social factors related to One health issues and the policies required to manage them

- Apply OH knowledge to minimize the effects of infectious and zoonotic diseases in communities
- **9. Coordinator:** Assoc. Prof. Le Thi Huong Director of Institute of Preventive Medicine and Public Health

Contact:

- Email: lethihuong@hmu.edu.vn
- Phone: 091 5648237

10. Lectures:

Lesson name	Lecturer	Organization	Theory Hours	Practice Hours
Overview of OH concept and OH approach	Assoc. Prof. Le Thi Huong	Hanoi Medical University	3	0
Zoonotic diseases	Dr. Trinh Dinh Thau	Vietnam National University of Agriculture	3	0
Ecosystem health	Dr. Pham Duc Phuc	VOHUN NCO	3	0
Systems thinking	Dr. Le Thi Thanh Xuan	Hanoi Medical University	3	0
Policies relating to One Health	Dr. Nguyen Dang Vung	Hanoi Medical University	3	0
Cultural factors and One Health	MSc. Pham Phuong Mai	Hanoi Medical University	3	0
Risk assessment and management in One Health	Assoc. Prof. Dao Thi Minh Anh	Hanoi Medical University	3	0
Teamwork skills in One Health	Assoc. Prof. Nguyen Van Hien	Hanoi Medical University	3	0

Lesson name	Lecturer	Organization	Theory Hours	Practice Hours
One Health collaboration	Dr. Le Minh Giang	Hanoi Medical University	3	0
Health problem identification and solutions	MSc. Pham Phuong Mai	Hanoi Medical University	3	0
One Health fieldwork	Dr. Trinh Dinh Thau, Dr. Le Minh Giang, MSc. Pham Phuong Mai	Vietnam National University of Agriculture, Hanoi Mdeical University		30

II. HANOI UNIVERSITY OF PUBLIC HEALTH

No 01A Duc Thang road, Duc Thang ward, North Tu Liem district, Hanoi

- 1. Subject: One Health
- 2. Credits: 2
- 3. Hours: 22
- 4. Training Form: Elective
- 5. Object: Public Health student
- 6. Teaching materials:
- One Health approach in Preventive Medicine and Public health book
- Lecture presentations and powerpoints
- 7. Starting date:
- 8. Outcomes:
- After completing the subject, students will have received the basic knowledge and skills required to identify problems and to solve them by applying One Health and Ecohealth approaches. In detail, students will be able to:
- Present OH concepts and applications of the OH approach in real-life situations;
- Describe appropriate methods to solve health problem using the OH and EH approaches;
- Build and propose solutions to solve problems based on the OH approach, including prevention and control
- 9. Coordinator: MSc. Luu Quoc Toan

- Email: lqt@huph.edu.vn
- Phone: 091 2227295

10. Lesson:

Lesson	Lecturer	Organization	Theory Hours	Practice Hours
Overview of basic One Health and Ecohealth concepts	Dr. Tran Thi Tuyet Hanh	HUPH	02	0
Basic tests for diagnosis in community	MSc. Luu Quoc Toan	HUPH	02	04
Zoonotic diseases	Dr. Tran Quynh Anh	HMU	02	0
Systems thinking	Dr. Tran Quynh Anh	HMU	02	02
Policies related to One Health and Ecohealth approaches	Dr. Le Thi Thanh Huong	HUPH	04	00
Importance of cultural factors and collaboration in the OH approach	Dr. Le Thi Thanh Huong	HUPH	02	02
Infectious disease management in One health	Dr. Tran Thi Tuyet Hanh	HUPH	04	00
Risk analysis in One health	Assos. Prof. Ha Van Nhu	HUPH	02	02
Teamwork skills in One health and Ecohealth approaches	Dr. Le Thi Thanh Huong	HUPH	02	02
One health economics	Dr. Tran Thi Tuyet Hanh	HUPH	04	0

Lesson	Lecturer	Organization	Theory Hours	Practice Hours
Health problem identification and development of solutions	Dr. Tran Thi Tuyet Hanh	HUPH	08	00
Health problem identifica tion and development of solutions	Dr. Tran Thi Tuyet Hanh	HUPH	08	00

III. NONG LAM UNIVERSITY AT HO CHI MINH CITY

KP6, Linh Trung ward, Thu Duc district, Ho Chi Minh city

- 1. Subject: One Health
- 2. Credits: 2
- 3. Hours: 40
- 4. Form: Elective
- 5. Subject: Veterinary Medicine
- 6. Teaching material: One Health textbook, lecture presentations
- 7. Start teaching: 2017
- 8. Objective: After completing the subject, student will be able to:
- Understand One Health concepts
- Describe the One Health approach and the reasons for its application
- Discuss the One Health core competencies and their importance for a successful OH approach
- Describe the application of One Health core competencies to solve issues in the field of Veterinary Medicine
- 9. Coordinator: Assoc. Prof. Le Quang Thong

- Email: lqthong@hcmuaf.edu.vn
- Phone: 091 9625645

10. Lesson:

Lesson	Lecturer	Organization	Theory Hours	Practice Hours
Overview of zoonotic diseases	Nguyen Thi Phuoc Ninh, Nguyen Dinh Quat	Faculty of veterinary and animal science	5	-
Overview of food safety and public health	Ho Thi Kim Hoa	Faculty of veterinary and animal science	6	-
Introduction to the One Health concept	Le Thanh Hien	Faculty of veterinary and animal science	3	-
Leadership, collaboration and partnership	Le Thanh Hien Le Quang Thong	Faculty of veterinary and animal science	5	-
Systems thinking, Communication & Informatics	Le Thanh Hien Le Quang Thong	Faculty of veterinary and animal science	5	-
Group assignment	Le Thanh Hien Le Quang Thong	Faculty of veterinary and animal science	-	6

IV. BAC GIANG UNIVERSITY OF AGRICULTURE AND FORESTRY (BUAF)

Bich Son, Viet Yen, Bac Giang

- 1. Subject: One Health
- 2. Credits: 2
- 3. Hours: 45 (Theory 19; Practice 26)
- 4. Form: Elective
- 5. Object: Veterinary doctors
- 6. Coordinator: Veterinary Faculty
- 7. Teaching materials: One health lecture materials
- 8. Time: August, 2017
- 9. Outcome: After completing this subject, students will be able to:
- Knowledge:
 - Understand basic concepts of One Health, Ecosystem Health, One Health core competencies and methodologies applied to address specific situations related to One Health
- Skills:
 - Practical application of the One Health core competencies to solve real life OH problems
 - Application of One Health core competencies for rapid detection and management of infectious diseases
- Attitude:
 - Educate student attitudes seriously, actively in class as well as in discussions
 - Education of students to ensure optimal health for humans, animals and the environment

- Email: khoacnty@bafu.edu.vn
- Tel: 02403 674 521

10. Lecture:

Name of lesson	Lecturer	Organization	Theory Hours	Practice Hours
Overview of One Health concepts	MD. Nguyen Duc Duong	Veterinary Faculty	2	
Ecosystem Health	MD. Nguyen Duc Duong	Veterinary Faculty	2	
Systems thinking and One Health	MD. Nguyen Duc Duong	Veterinary Faculty	2	
Policies in One Health	MD. Nguyen Duc Duong	Veterinary Faculty	2	
Culture and Beliefs and One Health	MD. Nguyen Viet Dung	Veterinary Faculty	2	
Risk analysis	MD. Nguyen Viet Dung	Veterinary Faculty	2	
Case study: Systems thinking	MD. Nguyen Viet Dung	Veterinary		4
Case study: policies and cultural factors related to One Health issues	MD. Nguyen Viet Dung	Veterinary Faculty		4
Case study: risk analysis and infectious disease management using the One Health approach	Dr. Tran Duc Hoan	Veterinary Faculty		4
Collaboration in One Health	PhD. Tran Duc Hoan	Veterinary	2	

Name of lesson	me of lesson Lecturer Organization		rer Organization Theory Hours	
Working group for One Health	PhD. Tran Duc Hoan	Veterinary Faculty	2	
One health economics	PhD. Tran Duc Hoan	Veterinary Faculty	2	
Identification and solving specific health problems	MD. Nguyen Thi Huong Giang	Veterinary Faculty		4
Case study: treatment and management of zoonotic parasites	MD. Nguyen Thi Huong Giang	Veterinary Faculty		4
Application of One health Core Competencies in infectious disease management	MD. Nguyen Thi Huong Giang	Veterinary Faculty	1	2
Application of rapid diagnostic tests for infectious diagnosis by community based in One health	MD. Nguyen Thi Huong Giang	Veterinary Falcuty		

V. HUE UNIVERSITY OF AGRICULTURE AND FORESTRY (HUAF)

No 102 Phung Hung street - Hue City

- 1. Subject: One Health
- 2. Credits: 2
- 3. Hours: 30
- 4. Form: Elective
- 5. Subject: Veterinary Doctor
- 6. Teaching materials: One Health Curriculum, Ecosystem Health, Lectures
- 7. Started year: 2016
- 8. Outcomes: After completing this subject, students will be able to:

Describe the basic concepts of One Health and apply OH knowledge to analyse the risk factors and management strategies for zoonotic diseases

9. Coordinator: Assoc. Prof. Nguyen Xuan Ba

- Email:nguyenxuanba@huaf.edu.vn
- Phone: 091 3411708

10. Lecture

Name of lession	Lecturer	Department/ Organization	Theory Hours	Practice Hours
Overview of One Health concepts	Nguyen Xuan Hoa	Parasitology - Infectious Diseases Faculty	2	
Ecosystem Health	Nguyen Xuan Hoa	Parasitology - Infectious Diseases Faculty	4	
One Health economics	Nguyen Xuan Hoa	Parasitology - Infectious Diseases Faculty	4	
Systems thinking and One Health	Nguyen Xuan Hoa	Parasitology - Infectious Diseases Faculty	4	
Culture and Beliefs and One Health	Nguyen Xuan Hoa	Parasitology - Infectious Diseases Faculty	4	
Risk analysis and management of zoonotic diseases	Nguyen Xuan Hoa	Parasitology - Infectious Diseases Faculty	3	3
Collaboration in One health	Nguyen Xuan Hoa	Parasitology - Infectious Diseases Faculty	3	3

VI. TAY NGUYEN UNIVERSITY (TNU)

FACULTY OF MEDICINE AND PHARMACY

No. 567 Le Duan, Ea Tam, Buon Ma Thuot city, Dak Lak

- 1. Name of subject: One Health
- 2. Hours: 30
- 3. Form:
- 4. Integration in subjects: Health Organization, Education and Health Promotion, Special Topics, Community Practice
- 5. Subject: Medical students
- 6. Teaching materials: Handout materials
- 7. Time to start: The second semester of 2017 2018
- 8. Outcome: After completing this subject, students will be able to:
- Present leadership and management concepts
- Describe the factors involved in outbreaks of zoonotic diseases.
- Apply teamwork skills to identify priority health issues and to plan for One Health interventions
- 9. Coordinator: MSc. Tran Tuan Bach Van

- Email: tbachvan93@gmail.com
- Phone: 091 3444750

10. Lesson:

Lesson	Lecturer	Organization	Theory Hours	Practice Hours
Working group	MSc. Tran Tuan Bach Van	Faculty of Medicine and Pharmacy	3	2
Leadership	MSc. Tran Tuan Bach Van	Faculty of Medicine and Pharmacy	3	2
Management	MSc. Tran Tuan Bach Van	Faculty of Medicine and Pharmacy	3	2
Identification of priority One Health issues	MSc. Nguyen Thi Xuan Trang	Faculty of Medicine and Pharmacy	3	2
One health planning	MSc. Nguyen Thi Xuan Trang	Faculty of Medicine and Pharmacy	3	2
Zoonotic diseases	MSc. Nguyen Thi Xuan Trang	Faculty of Medicine and Pharmacy	5	

VII. VINH MEDICAL UNIVERSITY

No. 161 Nguyen Phong Sac, Hung Dung, Vinh city, Nghe An province

- 1. Name of subject: One Health
- 2. Credit: 02
- 3. Form: Elective
- 4. Subject/object: Public health and Preventive medicine students
- 5. Coordinator: Assoc. Prof. Nguyen Canh Phu

Contact:

Email: phuhuyen2010@gmail.com

Phone: 091 3322717

- 6. Teaching materials: One health syllabus (Hanoi Medical University 2014)
- 7. Time to start: 4th year students
- 8. Outcome: After completing this subject, students will be able to
- 9. Theory:

Knowledge:

- Present One Health concepts
- Understand the importance and skills required for collaboration, teamwork, systems thinking, OH policy development
- Describe the fundamentals of zoonotic diseases, including risk factors and management practices

Attitude:

Recognize the importance of the subject to human, animal and environmental health.

Engage in learning the skills to apply the knowledge in future work.

Skills:

• Practice teamwork, collaboration and systems thinking skills in professional practice, especially in prevention of community outbreaks using the One Health approach

10. Practice:

• Integrate in community practice 1

11. Lesson:

Name of lesson	Lecturer	Organi- zation		Practice (Hours)
Overview of One Health concepts	Assoc. Prof. Nguyen Canh Phu	Public Health Falcuty	4	4
Ecosystem health	PhD. Phan Quoc Hoi	Public Health Falcuty	4	4
Systems thinking and One Health	MSc. Cao Thi Phi Nga	Public Health Falcuty	4	4
One Health policies	Assoc. Prof. Nguyen Canh Phu	Public Health Falcuty	4	4
Zoonotic diseases	MSc. Ngo Tri Hiep	Public Health Falcuty	4	4
Risk analysis	MSc. Ngo Tri Hiep	Public Health Falcuty	2	2

04 OH INTEGRATED INTO EXISTING PROGRAMS

ONE HEALTH TRAINING PROGRAM



I. NAM DINH UNIVERSITY OF NURSING (NDUN)

257 Han Thuyen street, Vi Xuyen, Nam Dinh city, Nam Dinh province

- 1. Objective: Nursing student
- 2. Method: Integrated teaching
- 3. Start time: October 2016

Lecture	Content	Hours		Lecturer
		Theory	Practice	
Introduction of One Health	Definition	1	0	Tran Van Long
approach	 History 			
	 Approach 			
Introduction	Rabies	1	0	Tran Van Long
popular zoonoses	• A Flu			
	 Streptococcus suis 			
	 Salmonellosis 			
	 Leptospira 			
Using OH approach in prevention and control zoonoses	Emphasize the nursing role in prevention and controlling	1	0	Tran Van Long

Lecture	Content	Hours		Lecturer
		Theory	Practice	
OH core competencies	Communication health			
	Collaboration			
	 Management, planning 			
	Culture and Belief			
	• Ethics and Values			
	 System thiking 			
	Leadership			
Apply the OH	• Risk assessment	0	40	Tran Van Long
approach in community	Priority selective			
nursing	Intervention plan			
	Implemention			
	Assessment			

II. UNIVERSITY OF MEDICINE AND PHARMACY IN HO CHI MINH CITY (HCMUMP)

217 Hong Bang, 11th Ward, 5 District, Ho Chi Minh city

Subject	Content	онсс	Hours	Objective
 Health management and organization: Management policy and basic management skills Health system management and organization 	 Method, tools, organization management Health planning 	Collaboration and partnership	02	Preventive Medicine in 5th year Public Health in 3th year
Health Education and Medical Psycology • Health Sociological Population • Communication to change behavior on population policy	 Culture and health behavior Communication on behavior changing 	Culture and belief	02	Preventive Medicine in 5th year Public Health in 3th year
 Health management and organization Management policy and basic management skills Health planning 	 Characteristic and skills of leadership Overview of plan and health plan 	Leadership	02	Preventive Medicine in 5th year Public Health in 3th year
 Health management and organization: Management policy and basic management skills Health planning 	 Method, tools, organization management Monitoring and assessment health plan 	Planning and Management	02	Preventive Medicine in 5th year Public Health in 3th year

Subject	Content	онсс	Hours	Objective
 Health Education and Medical Psycology Health Education Population Communication to change behavior on population policy 	 Communication progress and impact factors on communication Advocacy 	Communication and informatic	02	Preventive Medicine in 5th year Public Health in 3th year
Epidemiology • Basic Epidemioly	 Present the epidemioly data Deduce reason 	System thinking	02	Preventive Medicine in 5th year Public Health in 3th year
 Health Education and Medical Psycology Health Education Health sociology and anthropology 	 Cuture and health ethic Health belief 	Culture and Belief	02	Preventive Medicine in 5th year Public Health in 3th year
Environmental Health • Health factors	 Basic knowledge about environmental health 	Basic knowledge about One Health	02	Preventive Medicine in 5th year Public Health in 3th year

III. CAN THO UNIVERSITY OF MEDICINE AND PHARMACY (CUMP)

179 Nguyen	Van Cu, A	n Khanh,	Ninh Kieu,	Can Tho
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Faculty	Lecture	ОНСС	Hours	OH hours	Object
	Overview of environmental health	Communication and Information Systems thinking	2 units	1 unit	Preventive Medicine Students
Environmental sciences – Environmental health 1	Risk and environmental risk management	Cooperation and Partnership Leadership Planning and Management Communication and Information Systems thinking	5 units	3 units	Preventive Medicine Students
	Ecosystem health	Communication and Information Systems thinking	4 units	4 units	Preventive Medicine Students

Faculty	Lecture	ОНСС	Hours	OH hours	Object
Environmental sciences -	Environmental sanitation and soil pollution	Planning and Management Communication and Information Systems thinking	5 units	1 units	Environmental sanitation and water pollution
Environment al health 2	Environmental sanitation and water pollution	Planning and Management Communication and Information Systems thinking	5 units	1 units	Environmental sanitation and water pollution
	Environmental sanitation and air pollution	Planning and Management Communication and Information Systems thinking	5 units	1 units	Environmental sanitation and water pollution
Occupational Health	Management and treatment of solid waste	Cooperation and Partnership Ethical Value Leadership Planning and Management Communication and Information Systems thinking	5 units	1 units	Preventive Medicine Students
	Biological factors	Cooperation and Partnership Ethical Value Planning and Management Communication and Information Systems thinking	5 units	2 units	Preventive Medicine Students

Faculty	Lecture	ОНСС	Hours	OH hours	Object
Management principles and basic	Building team- work	Cooperation and Partnership	5 units	1 units	Preventive Medicine and Public Health Students
management skills	Leadership and management	Leadership	5 units	1 units	Preventive Medicine and Public Health Students
Psychology - Medical ethics	Medical ethics and principles of medical ethics	Ethical Value	2 units	0.5 units	Preventive Medicine and Public Health Students
Organization and management of health system	Health planning	Planning and Management Systems thinking	4 units	1 units	Preventive Medicine and Public Health Students
Behavioral science	Health Behaviors – Health Behavior Change Process	Communication and Information	4 units	1 units	Preventive Medicine and Public Health Students
and health education	Planning and Management of health communication and education activities	Communication and Information	4 units	0.5 units	Preventive Medicine and Public Health Students
Medical sociology and Medical anthropology	Health and illness from cultural points of view	Culture and belief	3 units	0.5 units	Preventive Medicine and Public Health Students

Faculty	Lecture	ОНСС	Hours	OH hours	Object
Epidemology of infectious disease	Diseases spread between animals and humans	Systems thinking	2 units	2 units	Preventive Medicine and Public Health Students
Epidemiology II	Infectious disease pathogens and basic rapid diagnostic techniques in the community in One Health	Systems thinking	2 units	2 units	Preventive Medicine and Public Health Students
	Analysis of risk factors and management of infectious diseases	Systems thinking	2 units	2 units	Preventive Medicine and Public Health Students

IV. THAI NGUYEN UNIVERSITY OF MEDICINE AND PHARMACY

Lecture	Lecturer	Department	Theory	Practical
Viewpoint of the Party and State on the care and protection of people's health (integrating the content of One Health policy)	Dr. Dam Thi Tuyet	Department of Public Health	1	0
Some environmental problems related to health	Dr. Nguyen Thi Quynh Hoa	Department of Public Health	0	5
Case study analysis about zoonosis: Practical lesson – 5 units	Dr. Nguyen Thi To Uyen	Faculty of Community Medicine	0	5
The process of investigat- ing and handling Rabies	Dr. Tran The Hoang	Faculty of Community Medicine	4	0

IN-SERVICE TRAINING

I. TRAINING OF TRAINERS ON ONE HEALTH CORE COMPETENCIES

1. Information

- Name: Training of trainers on One Health Core Competencies
- Objectives: Lecturers from VOHUN member universities

2. Objective:

- Understand about the One Health approach
- Apply the One Health Core Competencies in training program
- Apply the OH training methods for students
- 3. Outcomes:
- Lecturers will able to teach the students about One Health, One Health approach, OH Core Competencies and will be able to integrate OH in training programs

II. ONE HEALTH FIELD BASED TRAINING FOR HEALTH AND VETERINARY STAFF

- 1. Information
- Name: One Health field based training for Health and veterinary staff
- Number of Staff: 20
- Objectives:
 - » Medical staff from Centers of Preventive Medicine
 - » Veterinary staff from Sub-Department of Animal Health

2. Aim

- Knowledge aims
 - » Understand the basic knowledge about One Health concepts and One Health approach.
 - » Risk analysis and solutions, controlling zoonoses.

• Attitude aims

- » Objectively assess complex situations, respect partners and community stakeholders in the prevention of animal-to-human transmission of infectious agents.
- Skills aims
 - » Use of epidemiological research methods in investigating epidemics of zoonoses
 - » Effective cross-sectoral collaboration in surveillance, monitoring, evaluation and control of animal to human disease transmission.
 - » Apply risk communication in the surveillance of zoonoses

3. Outcomes

After finishing the course, students will have to

- Complete a fieldtrip report
- Defend the report
- Publish a journal article in a Health or Veterinary Journal.

4. Agenda

No	Lecture	Lecturer
Theory (01 week)	
1	One Health Definition	Pham Duc Phuc (VOHUN) Le Thi Huong (HMU)
2	Systems Thinking	Luu Quoc Toan (HUPH)
3	Collaboration in One Health	Trinh Dinh Thau (VNUA)
4	Zoonoses risk analysis	Pham Hong Ngan (VNUA)
5	Prevention and control of zoonoses	Pham Duc Phuc (VOHUN)
6	Epidemiology in the investigation of zoonoses	Nguyen Ba Hien (VNUA) Dao Thi Minh An (HMU)
7	Risk communication and surveillance of zoonoses	Tran Thi Tuyet Hanh (HUPH) Duong Van Nhiem (VNUA)

Fieldtrip (01 month)

- 1st week: Survey and evaluate the field, determine the topic of research
- 2nd + 3rd week: Implement the proposal
- 4th week: Complete the fieldtrip report
- 5th week: Defend the fieldtrip report















INSERVICE TRAINING



VIETNAM ONE HEALTH UNIVERSITY NETWORK (VOHUN)





