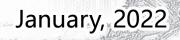


Academic Education Programs Sponsored by Ministry of Commerce PRC



# **Master of Public Health 2022**



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## I Program Description

#### **1. Basic Information**

#### (1) Brief Introduction

The Diploma & Degree Education Aid Program of P.R.C. for Developing Countries, founded in 2008 upon the China's Foreign Aid Fund, is under the management of the Ministry of Commerce of the People's Republic of China for the purpose of training and cultivating high-end financial and commercial officials and administrative talents. The program is specially designed with three academic levels including one-year master degree, two-year master degree and three-year doctoral degree to support the aided countries intellectually by cultivating high-level, inter-disciplinary and application-oriented talents in politics, commercial trade, diplomacy, agriculture, science, education, literature, health, energy, transportation and public administration for them.

Highly valued by their governments, these students are playing an increasingly important role in the economic and trading cooperation and development between their mother countries and China.

The "Master of Public Health 2022" sponsored by the Ministry of Commerce of the People's Republic of China, is a two-year English degree curriculum program under the administration of the Southern Medical University. The program is designed for professional personnel of different backgrounds, who are expected to improve the medical care systems and national public health situations of their countries. Aiming to cultivate high-level application-oriented talents in the health administration and disease prevention fields, it deepens the students' understanding of Chinese public health development practice. In response to the demand of developing countries for the cultivation of senior public health talents, the 2022 program will recruit students in two directions: public health science division and public health management division.

#### (2) Prospective Students

Our prospective students are administrative personnel and professional public health talents from public health departments of developing countries, including health administrative departments, hospitals, disease control centers, community health organizations and inspection & quarantine organizations. They should have demonstrated superior performance in their work and sufficient English proficiency to conduct their study. By the time of matriculation, each must be under 45 years of age and have a bachelor's degree.

#### (3) Program Objective

To cultivate high level application-oriented talents with theoretical knowledge and technical ability of public health, medical and health administration ability, and the ability to solve the actual public health problems in their host country.

#### (4) Enrollment Plan

In 2022 we have planned to enroll up to 30 students in Master of Public Health (MPH) Program which will be offered fully in English and last for two years.

#### (5) Funding Contents

With the foreign aid fund, this program provides funds for expenses relevant to teaching and administration as well as students' basic living expenses and round-trip tickets, including:

- (a) Tuition fees, teaching materials and textbooks, investigation and inspection, English teaching subsidy and graduate thesis tutoring expense;
- (b) Accommodation;
- (c) Regular allowance: 36,000 Yuan per person per year for master degree candidate;
- (d) One-time settlement allowance 3,000 Yuan per person;
- (e) Medical insurance;
- (f) Round-trip tickets provided by the Ministry of Commerce: students in two-year program can be also provided one round-trip ticket for family visit;
- (g) All degree students are required to take part in the annual evaluation. Those who satisfied the standard in the academic performance evaluation can continue to enjoy full scholarship in the next year;
- (h) Other expenses shall be administered and used by the Ministry of Commerce or the university, and shall not be distributed to the students. The Ministry of Commerce only provides students with financial support within the schooling year, which is stated in the admission notice, and students will not receive further funding for deferment.

#### 2. Southern Medical University

#### (1) Brief Introduction

Southern Medical University (SMU) is the former First Military Medical University, was founded in October 1951 and notarized as one of the premier medical universities in 1979. The university was handed over to the local government of Guangdong

Province and meanwhile renamed as Southern Medical University, in line with the command by the State Department and the Central Military Committee of PLA in August 2004. SMU has become the only medical university among the high-level construction universities in Guangdong Province and one of the 8 prestigious universities authorized by the Ministry of Education to run the pilot 8-year medical education program. At present, SMU is the only medical universities in Guangdong Province of the Ministry-Province Co-constructed Medical Universities in Guangdong Province.

School Scale: SMU, located at the foot of the picturesque Baiyun Mountain in Guangzhou, has two campuses, the main campus and the Shunde campus, covering an area of nearly 1.68 million square meters, with a construction area of 0.845 million square meters. The university has 21 schools, 30 undergraduate majors, including 7 majors with national characteristics, 16 majors with Guangdong characteristics and 6 famous majors in Guangdong province, with an enrollment of different degree candidates, including 14,100 undergraduates, 7,692 postgraduates and 1,012 international students.

Disciplines: SMU has 5 national key and cultivation disciplines, 6 National Administration of Traditional Chinese Medicine (NATCM) key disciplines, 10 Guangdong key disciplines. 9 disciplines were listed by ESI (Essential Science Indicators) as the world's top 1%, among which Clinical Medicine was listed as the world's top 1‰. The overall ranking of ESI ranked 52nd among national universities in China. At present, the university has 10 first-level disciplines for doctoral degree authorization and 16 first-level disciplines for master's degree authorization, 2 doctoral degree authorization points, 14 master's degree authorization points and 8 post doctoral research mobile stations, forming a relatively complete degree authorization system with medicine as the main body and coordinated development of science, engineering, law, management, and education.

International Education: As an important part of the internationalization strategy of SMU, the school began international education as early as when it was known as the First Military Medical University. After three decades of development, the international education of the university has formed a good environment conducive enough to host the education of international students as well as China-aid training programs. At present, there are 1,012 international students (including 211 master and doctoral students) in SMU from 92 countries and regions around the world. As one of the 10 Educational China Aid Bases designated by the Ministry of Education and a backbone unit for organizing training programs sponsored by the Ministry of Commerce, up to present, the university has trained 3,196 foreign medical officials and professionals from 122 foreign countries and regions in the past 151 training programs. In 2015, the university organized the China-aid academic degree program "Master of Public Health 2015-2017" (MPH) for the first time, which is a 2-academic-year program in English medium. Till now, it has enrolled 200 students from 44 countries.

#### (2) About the Schools

#### 1) School of Public Health

The School of Public Health of Southern Medical University has the following 15 departments (centers and laboratories): Department of Epidemiology, Department of Bio-statistics, Department of Occupational health and medicine, Department of Environmental hygiene, Department of Nutrition and food hygiene, Department of Toxicology, Department of Radiation medicine, Department of Pathogenic biology, Department of Microbiology, Department of Psychology, P3 bio-safety laboratory, Department of Health inspection and quarantine (Health Inspection Center), Food Safety and Health Research Center, Mental Health Education and Consultation Center, and Preventive Medicine Experimental Teaching Center.

There are 131 faculty members, including 42 professors, 48 associate professors, 34 doctoral supervisors, and 68 master's supervisors. The School of Public Health has a group of excellent experts and scholars that include famous teachers of national "Ten Thousand Talents Plan", members of the subject review panel of the Degree Committee of the State Council, experts who enjoys special government allowances from the State Council, young and middle-aged experts with outstanding contributions from the Ministry of Health, national candidates for the "New Century National Hundred, Thousand and Ten Thousand Talents Project", winners of Wu Jieping-Paul Janssen Award in Medicine, winners of Guangdong Ding Ying Science and Technology Award, national excellent youth, leading talents of Guangdong Province, leading medical talents of Guangdong Province, distinguished professors of "Pearl River Scholars", provincial training objects of millions of talents of Guangzhou, winners of Outstanding Teacher Award of Guangdong Province, winners of Excellent Teacher of South Guangdong, winners of May 1st Labor Award, winners of FDA outstanding scientific achievement award and FDA outstanding analytical science award of America, and vice president of the Provincial and Ministerial Societies.

The school has established friendly and cooperative relations with 18 universities and education and research institutions in many countries and regions, and carried out various forms and channels of exchange and cooperation activities, including scientific research cooperation, Sino-foreign cooperation in running schools, overseas research and joint training of talents. It maintains good cooperation with international organizations such as the World Health Organization (WHO), the National Institutes of Health of American (NIH) and the Centers for Disease Control of American(CDC). It has established good communication and cooperation relations with Harvard University, Yale University, Johns Hopkins University, North Carolina University, British School of tropical diseases, Sydney University, La Trobe University, Griffith University, Auckland University, Seoul University, Tokyo University, Chinese University of Hong Kong and other overseas universities. In recent years, the school has undertaken research projects such as NIH R01, projects from Nikolay Filipov of University of Georgia. In terms of teaching and training, the school has undertaken the Master of Public Health program, Doctor of Public Health and Preventive

Medicine in "the Belt and Road" countries program, and seminars on infectious disease prevention and control in developing countries which all sponsored by the Chinese government. It has signed 6 inter school cooperation agreements, 2 exchange student agreements and more than 20 exchange and cooperation projects with foreign universities.

#### 2) School of Health Management

The School of Health Management consists of three departments: Department of Health Management, Department of Law and Department of Economics. It has formed a complete education system for undergraduate, graduate and doctoral students.

There are 56 faculty members, including 39 full-time teachers, 8 professors, 16 associate professors. 12 doctoral supervisors and 21 master's supervisors are in health care management major. The school has the key laboratory of philosophy and social sciences in Guangdong Province - "Key Laboratory of Public Health Policy Research and Evaluation" and the key research base of humanities and social sciences in Guangzhou - "Research Base of Urban and Rural Public Health Service System Construction in Guangzhou". It has the national and regional research center of the Ministry of Education - "World Health Organization Research Center", the first International Research Institute of Health Law in China built with Association of Chinese Health Law.

It has been cooperating with ISCTE-Lisbon University Institute in Portugal in the doctoral degree program in Public Health Policy and Management for 11 years, and jointly organized the study abroad program of master's degree for 10 years. In 2021, the school cooperated with the University of Birmingham in master's degree program in Health Economics and Health Policy

#### (3) Introduction to Students' Living Environment and Conditions

The university is located in Guangzhou, a commercially developed city in south China, with a pleasant climate (the annual average temperature is about 20°C, 20-35°C in summer and 3-20°C in winter) and diverse culture. The campus is equipped with various public facilities, including the postal office, the cafeteria, the library and the stadium. Besides, the university offers single room with independent bathroom and balcony in the international student apartment building for this program. In each room, the furniture such as bed, wardrobe, bookshelf, TV cabinet, tables, chairs and sofa as well as electrical appliances such as air conditioner, washing machine, and TV set are prepared. Special classrooms are also established for teaching with brand-new decorations, and the equipment is in good condition.

## **3. Teaching Arrangement**

#### (1) Curriculum Arrangement

### ♦ Master of Public Health(Science Division)

Semester No.		Arrangement	Credit	Hour	Course Type	Time	
Entrance	1	Registration				2022.9.12-9.13	
Littrance	2	Orientation	/	36	Required	2022.9.16-9.20	
	1	Introduction to China	2	36	Required		
	2	Primary Chinese	4	102	Required		
	3	Medical Statistics & Application of SPSS	3	56	Required		
	4	Acquisition and Management of Medical Information	2	36	Required		
	5	Toxicology Essentials	2	36	Required		
1 <sup>st</sup>	6	Environmental Health	2	32	Required	2022.9-	
Semester	7	Medical Thesis Writing	2	36	Optional	2023.1	
	8	Introduction to Global Health	3	54	Optional		
	9	Women and Children's Health	2	39	Optional		
	10	Implementation Science	2	36	Optional		
	11	Introduction to Preclinical Medicine	2	32	Optional		
	12	Medical Psychology	2	32	Optional		
		2023.2					
	1	Principles and Methods of Epidemiology	4	72	Required		
	2	Prevention and Control of Tropical Diseases	4	66	Required		
	3	Occupational Health and Safety	2	36	Required		
2 <sup>nd</sup>	4	Nutrition and Food Hygiene	2	36	Required		
Semester	5	Global Health System	2	32	Optional	2023.3- 2023.7	
	6	Practice of Hospital Management	2	32	Optional		
	7	Bio-safety	1	18	Optional		
	8	Modern Management	3	48	Optional		
	9	Management Research Method	3	48	Optional		

Semester	No.	Arrangement	Credit	Hour	Course Type	Time		
	10	Hospital Management	3	48	Optional			
	11	Health Care Management	2	32	Optional			
2 <sup>nd</sup>	12	Health Promotion and Health Education	2	36	Optional	2023.3-		
Semester	13	Health Economics	2	32	Optional	2023.7		
	14	Overview of Clinical Medicine	2	32	Optional			
	2023.8							
3 <sup>rd</sup> Practice						2023.9-2024.1		
	2024.2							
4 <sup>th</sup>		2024.1-2024.6						
Semester		2024.6						

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#### $\diamond$ Master of Public Health (Administration Division)

Semester	No.	Arrangement	Credit	Hour	Course Type	Time
Entrance	1	Registration	2022.9.12-9.13			
Entrance	2	Orientation	/	36	Required	2022.9.16-9.20
	1	Introduction to China	2	36	Required	
	2	Primary Chinese	4	102	Required	
	3	Medical Statistics & Application of SPSS	3	56	Required	
	4	Acquisition and Management of Medical Information	2	36	Required	
1 <sup>st</sup> Semester	5	Implementation Science	2	36	Optional	2022.9- 2023.1
	6	Medical Psychology	2	32	Optional	
	7	Toxicology Essentials	2	36	Optional	
	8	Environmental Health	2	32	Optional	
	9	Introduction to Global Health	3	54	Optional	

#### Academic Education Programs Sponsored by Ministry of Commerce PRC

Semester	No.	Arrangement	Credit	Hour	Course Type	Time	
1 <sup>st</sup> Semester	10	Women and Children's Health	2	39	Optional		
	11	Introduction to Preclinical Medicine	2	32	Optional	2022.9- 2023.1	
	12	Medical Thesis Writing	2	36	Optional		
Winter Vacation							
	1	Modern Management	3	48	Required		
	2	Management Research Method	3	48	Required		
	3	Hospital Management	3	48	Required		
	4	Health Care Management	2	32	Required		
	5	Health Promotion and Health Education	2	36	Required		
	6	Global Health System	2	32	Required		
2 <sup>nd</sup> Semester	7 r 8 9	Health Economics	2	32	Optional		
		Practice of Hospital Management	2	32	Optional	2023.3- 2023.7	
		Bio-safety	1	18	Optional		
	10	Principles and Methods of Epidemiology	4	72	Optional		
	11	Prevention and Control of Tropical Diseases	4	66	Optional		
	12	Occupational Health and Safety	2	36	Optional		
	13	Nutrition and Food Hygiene	2	36	Optional		
	14	Overview of Clinical Medicine	2	32	Optional		
		Summer Vacation				2023.8	
3 <sup>rd</sup> Semester	2023.9-2024.1						
Winter Vacation							
4 <sup>th</sup>	Thesis and defense						
Semester		2024.6					

#### 1) Courses Introduction

#### ♦ Master of Public Health(Science Division)

#### Required Courses

**(Introduction to China)** A general course that systematically introduces the basic situation of China to international students. The main contents include China's natural and cultural conditions, Chinese politics, China's economy and Chinese society. It systematically and objectively shows international students China and Chinese culture by lectures, so that they can understand the basic situation of China in short time, and have a certain sensitivity and tolerance to cultural differences.

**(Primary Chinese )** This course mainly targets at students with zero basis of Chinese. It will teach the necessary phonetics, Chinese characters, vocabulary, sentences, etc. in daily conversation, so that students can master the most basic Chinese phonetics knowledge and pronunciation skills, the vocabulary of common words in the primary stage, and the basic Chinese sentence patterns; have good command of the basic strokes, stroke order and basic structure of Chinese characters, learn to write the Chinese characters; have the preliminary Chinese communication ability, can use Chinese to solve the most basic problems in daily life and study, and adapt to the study and life in China as soon as possible.

**[** Medical Statistics & Application of SPSS **]** In this course, the students are expected to comprehend the fundamentals of health statistics, master the application of common statistical methods and be familiar with various operations of SPSS. It also aims to enable students to choose the correct statistical method according to different data type, and understand SPSS analysis results correctly, so as to lay a good foundation for independent scientific work and data processing.

**(**Acquisition and Management of Medical Information **)** This course focuses on cultivating students' information consciousness and literacy, and making them master the techniques on medical information retrieval and utilization. Through this course, students will know about the basic knowledge of information retrieval and management, and be familiar with the retrieval and utilization of commonly used online medical databases, search engines and other online medical information resources. Furthermore, the students are also expected to master the methods and skills in medical information integration and utilization and strengthen their abilities of self-study, research and innovation.

**(Toxicology Essentials)** Toxicology Essentials mainly studies the toxic effects and mechanism of exogenous chemicals on organisms, especially the human body. This course adheres to the principle of combining theories with practice. Through teaching, learning, discussing and various kinds of teaching activities, students will deeply understand the toxicity and rules of exogenous chemicals and become familiar with the basic theories and techniques of this subject, and also understand its developing tendency so as to lay a solid foundation for future work.

**[Environmental Health]** This course is to make students familiar with how the environment influences human health, master the law of natural development, so that

they can put forward hygienic requirements and preventive countermeasures by making full use of the environmental beneficial factors and controlling harmful factors.

**(Principles and Methods of Epidemiology )** This course aims to help students to acquire the basic concept, theory and investigation method of epidemiology as well as the application of epidemiology in disease prevention and control. It introduces the distribution of diseases and health status in the population and its influencing factors, the strategies and measures for formulating and evaluating the prevention, control and elimination of diseases, so as to enable students to establish the thinking of epidemiological research, and have the ability to carry out disease investigation by using epidemiological research methods and techniques. The ultimate goal of this course is to help lay a foundation for applying the epidemiology theory and methods in the future practical work.

**(Prevention and Control of Tropical Diseases)** Tropical diseases are diseases that mainly occur in tropical and subtropical areas. All common tropical diseases in China and diseases unique to other tropical countries or areas are included in this course study. The primary task for students is to grasp the basic theory, knowledge and skills of tropical medicine through learning and practice, so as to lay the foundation for study on prevention and treatment of tropical diseases.

**(**Occupational Health and Safety **)** This course explores the harmful factors in working environment, and the prevention and treatment of discomfort or diseases caused by occupational hazards. The contents include the basic conception of occupational disease and occupational safety, laws and regulations on occupational health and safety, occupational health, individual protection, etc. The course aims to lay the foundation for cultivating public heath talents in occupational safety and health service.

**(Nutrition and Food Hygiene)** This course refers to body nutrition and food safety which is closely related to the national health, including basic knowledge of nutriology, nutrition for special populations, public nutrition, food contamination and its prevention, and food safety management, etc. It aims to lay a solid theoretical basis for the related personnel who are engaged in public health.

#### Optional Courses

**(Medical Thesis Writing)** This course is a methodological course to cultivate and improve students' ability in research and scientific literacy. From the practical point of view, students will have a preliminary understanding of the basic scientific research procedures and rules of research topics and research deign, and master the principles of medical paper writing, contributing and revising so that to lay a good foundation for medical research.

**[Introduction to Global Health]** Global health is the area of study, research and practice that places a priority on improving health and achieving equity in health for all people worldwide. This course will introduce the basic research methods of global

health. Health problems that transcend national borders or have a global political and economic impact are emphasized as well. The issues will be discussed include but not limit the following: global disease burden, climate change, air pollution, sustainable dietary pattern, food processing and food safety, neglected tropical diseases and emerging infectious disease (e.g. COVID-19), and other hot topics in this field.

**(Women and Children's Health)** Women and children are unique and vulnerable groups in global health. Global health interventions targeting women and children often have positive and lasting effects, such as large-scale malnutrition, improved prenatal care and increased immunization coverage, which are of great benefit to reducing incidence rate and mortality. This course will focus on assessing the growth patterns and methods of children's growth and development, risk factors and prevention strategies of common diseases in women and children, etc.

**[ Implementation Science ]** Implementation science, also known as the implementation research, is an emerging interdisciplinary field to solve the problem that evidence-based intervention methods are faced in the promotion of practice. It is also referred to the "Type II applied research", and it aims to promote evidence-based intervention method to be rapidly, conveniently and low costly mastered and applied by front-line practitioners, and to benefit the target population faster and more widely.

**(**Introduction to Preclinical Medicine **)** This course targets at non-medical graduates. It is a brief overview of preclinical medicine and also a comprehensive course closely related to many disciplines in preclinical medicine.

**(**Medical Psychology **)** Medical Psychology is an interdisciplinary subject of psychology and medicine. It studies the laws and functions of the psychological problems in medical area. Through the study of this course, students will learn the psychosomatic dialectical viewpoint, master the basic theories and techniques application so as to achieve the model change of biological-psychological-social medicine, to further improve the prevention and treatment of diseases, enhance the quality of medical treatment and promote the physical and mental health of human beings.

**[Global Health System]** This course will review the basic concepts, history, and frameworks of health systems with a particular focus on the quality of care. It will also compare the different health systems across low and middle income countries. In particular, it will discuss China's health care system and the lessons learned in China's health reform that might be applied to other low and middle income countries. After learning this course, students will be able to appreciate the literature in health systems critically and to analyze the different components (such as governance, financing, payment, service delivery, medicines and etc.) of a given health system.

**(Practice of Hospital Management)** Based on the classical management theories and methods of hospital management practice both at home and abroad, this course interprets the commonly used theories and tools in hospital management from the aspects of hospital strategy, performance, service process, quality and safety, and information management, etc. with combination of the real situation of hospitals in our country. It is designed to help students better understand and master relevant

theories and tools to improve the level of hospital management.

**(Bio-safety)** This course enables students to get basic knowledge for the work in laboratory, including the safe use of electricity, gas, chemical reagents, the management of Radioisotope laboratory, Microbiology Laboratory, Genetic engineering laboratory and preparation of regular experimental objects so as to lay a good theoretical and technical foundation for students who work in laboratory management or scientific research in the future.

**(Modern Management)** This course will systematically introduce the general rules, basic principles, management ideas, general methods and main functions of the management process, to cultivate the students' management abilities: planning and decision-making, organization and personnel management, leadership and communication, control and evaluation, and to train the comprehensive management skills and quality of students.

**(Management Research Method)** This course introduces the foundations of social science research in general, especially the management and organizational research, including the basic concepts of management research methodology, management research ethics, scientific boundary and falsificationism, and positivism management research paradigms. It aims to help students develop critical and creative thinking, broaden their methodological perspectives and skills, and get well-prepared for independent research and publication in the public journal.

**(Hospital Management )** This course will enable students to understand the new progress of domestic and foreign hospital management, master the basic principles, tools and techniques of hospital management, and have good command of the common tools and methods of hospital management. It involves hospital strategic management, hospital organization management, medical quality management, doctor-patient relationship management, hospital culture construction, hospital infection management, hospital human resource management, hospital management communication, management ideas in traditional Chinese culture, etc.

**[Health Care Management]** This is a comprehensive course that introduces related management theory, health policy and management technology. With theories, methods and techniques of modern management science, it studies the basic law of health management, and learn how to reasonably collect, distribute and use limited health resources to increase social and economic benefits of health services and further to improve the public health.

**(Health Promotion and Health Education)** This is a course that introduces the prevention of diseases and the knowledge and skills of heath promotion to the public. Students are required to grasp the way, method, and efficacy of health information dissemination so that to improve people's active prevention of disease and health management through the development of knowledge, beliefs and behaviors.

**[Health Economics]** As a course on the basic economic principles of health and health care, it focuses on economic evaluation, systems economics and health care economics knowledge in health care field.

**(Overview of Clinical Medicine )** This course targets at non-medical graduates, which is a brief overview of clinical medicine and a subject that studies the diagnostics basis and the common diseases of various clinical sections. It focuses on etiology, pathogenesis, clinical manifestations, diagnosis and treatment of common clinical emergencies, infectious diseases, internal medicine and surgical diseases, gynecological and pediatric diseases, as well as the important role of drugs in the prevention, treatment and diagnosis of diseases.

#### **Master of Public Health (Administration Division)**

Required Courses

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**(Women and Children's Health)** Women and children are unique and vulnerable groups in global health. Global health interventions targeting women and children often have positive and lasting effects, such as large-scale malnutrition, improved prenatal care and increased immunization coverage, which are of great benefit to reducing incidence rate and mortality. This course will focus on assessing the growth patterns and methods of children's growth and development, risk factors and prevention strategies of common diseases in women and children, etc.

**[** Introduction to Preclinical Medicine **]** This course targets at non-medical graduates. It is a brief overview of preclinical medicine and also a comprehensive course closely related to many disciplines in preclinical medicine.

**[Medical Thesis Writing]** This course is a methodological course to cultivate and improve students' ability in research and scientific literacy. From the practical point of view, students will have a preliminary understanding of the basic scientific research procedures and rules of research topics and research deign, and master the principles of medical paper writing, contributing and revising so that to lay a good foundation for medical research.

**[Health Economics]** As a course on the basic economic principles of health and health care, it focuses on economic evaluation, systems economics and health care economics knowledge in health care field.

**(Practice of Hospital Management)** Based on the classical management theories and methods of hospital management practice both at home and abroad, this course interprets the commonly used theories and tools in hospital management from the aspects of hospital strategy, performance, service process, quality and safety, and information management, etc. with combination of the real situation of hospitals in our country. It is designed to help students better understand and master relevant theories and tools to improve the level of hospital management.

**(Bio-safety)** This course enables students to get basic knowledge for the work in laboratory, including the safe use of electricity, gas, chemical reagents, the management of Radioisotope laboratory, Microbiology Laboratory, Genetic engineering laboratory and preparation of regular experimental objects so as to lay a good theoretical and technical foundation for students who work in laboratory management or scientific research in the future.

**(Principles and Methods of Epidemiology)** This course aims to help students to acquire the basic concept, theory and investigation method of epidemiology as well as the application of epidemiology in disease prevention and control. It introduces the distribution of diseases and health status in the population and its influencing factors, the strategies and measures for formulating and evaluating the prevention, control and elimination of diseases, so as to enable students to establish the thinking of epidemiological research, and have the ability to carry out disease investigation by using epidemiological research methods and techniques. The ultimate goal of this course is to help lay a foundation for applying the epidemiology theory and methods in the future practical work.

**(Prevention and Control of Tropical Diseases)** Tropical diseases are diseases that mainly occur in tropical and subtropical areas. All common tropical diseases in China and diseases unique to other tropical countries or areas are included in this course study. The primary task for students is to grasp the basic theory, knowledge and skills of tropical medicine through learning and practice, so as to lay the foundation for study on prevention and treatment of tropical diseases.

**(**Occupational Health and Safety **)** This course explores the harmful factors in working environment, and the prevention and treatment of discomfort or diseases caused by occupational hazards. The contents include the basic conception of occupational disease and occupational safety, laws and regulations on occupational health and safety, occupational health, individual protection, etc. The course aims to

lay the foundation for cultivating public heath talents in occupational safety and health service.

**(Nutrition and Food Hygiene)** This course refers to body nutrition and food safety which is closely related to the national health, including basic knowledge of nutriology, nutrition for special populations, public nutrition, food contamination and its prevention, and food safety management, etc. It aims to lay a solid theoretical basis for the related personnel who are engaged in public health.

**(**Overview of Clinical Medicine **)** This course targets at non-medical graduates, which is a brief overview of clinical medicine and a subject that studies the diagnostics basis and the common diseases of various clinical sections. It focuses on etiology, pathogenesis, clinical manifestations, diagnosis and treatment of common clinical emergencies, infectious diseases, internal medicine and surgical diseases, gynecological and pediatric diseases, as well as the important role of drugs in the prevention, treatment and diagnosis of diseases.

#### 2) Curriculum Provision

The MPH program consists of four semesters of full-time academic work, with a minimum course requirement of 43 credits to complete the degree, including course study, social practice and scientific research activities. Among them, there are no less than 36 credits for course study, no less than 4 credits for social practice and no less than 3 credits for scientific research activities.

#### **3) Profiles of Instructors**

#### ♦ Master of Public Health (Science Division)

#### **Professor WEN Mingang**

Engaged in teaching management and the practice of higher medical education.

#### **Professor YANG Xingfen**

Areas of research: Risk assessment of food safety, toxicology of food and non-animal alternative toxicity testing local special food effective evaluation.

#### **Professor PENG Hongjuan**

Areas of research: Research on the interrelation between pathogen and host, research on vector control method.

#### **Professor MAO Chen**

Areas of research: Gerontology, clinical epidemiology, evidence-based medicine.

#### **Professor ZOU Fei**

Areas of research: Cells' reaction to environment factors, directional migration mechanism of cells.

#### **Professor CHEN Xiaoguang**

Areas of research: Research on new control techniques for important insect vectors, basic and applied study on important opportunistic protozoan.

#### **Professor WAN Chengsong**

Areas of research: Genomics and pathogenic mechanism of pathogenic micro-organism, techniques and management of public health emergency.

#### **Professor TANG Shixing**

Areas of research: HIV and the basis of viral infection and the relation to epidemiology.

#### **Professor CHEN Qing**

Areas of research: Epidemiology of infectious diseases, epidemiological evaluation.

#### **Professor CHEN Pingyan**

Areas of research: Hospital management statistics, scale development and evaluation, statistical method of clinical tests, research on biostatistics method.

#### Professor ZHANG Xiaoyuan

Areas of research: Mental health, counseling and psychotherapy.

#### **Professor ZHAO Wei**

Areas of research: Molecular virology, laboratory biosafety.

#### **Professor MENG Xiaojing**

Areas of research: Neurotoxicology mechanism of occupational toxicants, mechanism of occurrence and metastasis of breast cancer induced by occupational risk factors.

#### **Professor LIU Yungang**

Areas of research: Metabolic activation and inactivation of xenobiotics, muta-genesis and carcinogenesis of environment chemicals.

#### **Professor ZHENG Xueli**

Areas of research: Vector biology and infectious diseases, parasitology.

#### **Professor ZHANG Bao**

Areas of Research: The pathogenic mechanism of ZIKA and MERS virus.

#### **Professor ZHOU Xiaohong**

Areas of Research: Development of new strategies for prevention and control of main infectious diseases and invasive mosquito vectors, study on the genetic evolution and mechanisms of vector-pathogen-host interaction.

#### **Professor CAO Hong**

Areas of research: Microbe-host interaction, host-microflora interaction of gut Ecosystems in human.

#### Professor HUANG Zhenlie

Areas of research: Neurotoxicology of organic solvent exposure, food toxicology and nanotoxicology, clinical epidemiology and epigenetic mechanism of lung cancer.

#### **Professor ZHANG Bo**

Areas of research: Environmental detriments of type 2 diabetes, novel techniques for risk assessment, cancer causes and cancer prevention.

#### **Professor ZHA Longying**

Areas of research: Phytochemicals and health, diet and chronic diseases prevention.

#### **Professor LIAO Wenzhen**

Areas of research: Separation and purification, structure identification, evaluation and application of nutrient compositions and active substances.

#### **Professor GU Jinbao**

Areas of Research: Vector control.

#### **Professor PENG Fei**

Areas of research: Bumblebee higher-order cognitive ability and decision-making, computational modelling of the neural circuit in the bee brain.

#### **Professor DAI Yingchun**

Areas of research: Molecular epidemiologic study on norovirus.

#### Associate Professor ZHOU Liang

Areas of research: DNA damage repair mechanism, toxicological mechanisms of occupational exposure induced.

#### Associate Professor XIE Xiaoli

Areas of research: Mechanisms of xenobiotics induced toxicity in organs.

#### Associate Professor ZENG Xihua

Areas of research: Justice issues about public health and education, attachment (parent-child attachment and phone attachment) and mental health.

#### Associate Professor WANG You

Areas of research: Psychological flexibility and mental health, short-term online and offline mental health intervention.

#### Associate Professor ZHANG Zheqing

Areas of research: Maternal and child nutrition, nutrition and osteoporosis.

#### Associate Professor SUN Suxia

Areas of research: Dietary factors and tumors.

#### Associate Professor ZHANG Guoxia

Areas of research: Bioaaerosol and human health, intestinal microbiology.

#### Associate Professor ZHANG Ruibin

Areas of research: The role of executive function, especially inhibition in mental health, cognitive training intervention for (sub)clinical psychiatry disorder, the data analysis methodology for imaging data.

#### Associate Professor ZHOU Zhengzheng

Areas of research: Pharmaceutical crystal chemistry, pharmacokinetics, health relevant with elements.

#### Associate Professor WU Weiliang

Areas of research: Food safety risk assessment, high throughput determination methods for food contaminants, bio-functions and processing of local foods.

#### Associate Professor WU Jiguo

Areas of research: The fate and transformation of environmental pollutants and remediation of pollution, health effect of environmental pollutants.

#### **Associate Professor GUAN Ying**

Areas of research: Biostatistics method, experimental design method, statistical method and its application in prevention system.

#### **Associate Professor CHEN Jun**

Areas of research: Epidemiology and health statistics.

#### Associate Professor DU Hua

Areas of research: Medical education management.

#### Lecturer DU Qingyun

Areas of research: Developmental and educational psychology, psychological counseling, psychological health.

#### **Master of Public Health (Administration Division)**

#### **Professor CHEN Minsheng**

Engaged in the innovation of university management and related research on the value of university humanistic education.

#### **Professor WEN Mingang**

Engaged in teaching management and the practice of higher medical education.

#### **Professor LI Wenyuan**

Areas of research: Hospital management, health management.

#### Associate Professor LIAO Sizhao

Areas of research: Lean management of hospitals.

#### **Professor WANG Dong**

Areas of research: Public health policy evaluation, health measurement.

#### **Professor ZHANG Chichen**

Areas of research: Model Construction and Intervention Strategy of Health Management, Theory and Practice of Health Education and Health Promotion.

#### **Professor GENG Renwen**

Areas of research: Hospital strategic management and core competitiveness, management innovation of medical service quality.

#### Professor ZENG Qiyi

Areas of research: Hospital management, medical innovation and management.

#### **Professor XU Dong**

Areas of research: Primary health services and global health, with particular attention to chronic disease management, medical quality, and implementation science.

#### **Professor LI Haiyan**

Areas of research: Science and technology evaluation and management mechanism.

#### **Professor CHEN Pingyan**

Areas of research: Hospital management statistics, scale development and evaluation, statistical method of clinical tests, research on biostatistics method.

#### **Professor XU Jun**

Areas of research: Studies on theories, methods and techniques of health assessment and health management.

#### **Professor XIA Oudong**

Areas of research: Higher medical education.

#### **Professor YAO Weiguang**

Areas of research: Community health services and chronic disease management.

#### **Professor LV Qunrong**

Areas of research: Civil and commercial law, health law, health service management.

#### **Professor LI Naling**

Areas of research: Health law, public health policy.

#### **Researcher ZOU Liai**

Areas of research: Hospital operation management, cost management, price management, performance and remuneration management.

#### **Professor GU Ping**

Areas of research: Evidence-based management and utilization of document resources.

#### **Associate Professor SUN Gang**

Areas of research: Health policy and management.

#### Associate Professor LI Bei

Areas of research: Health management and aging, quality of life assessment.

#### Associate Professor ZHANG Yili

Areas of research: Public health policy and management, performance evaluation of health service.

#### **Associate Professor GUAN Ying**

Areas of research: Biostatistics method, experimental design method, statistical method and its application in prevention system.

#### Associate Professor CHEN Jun

Areas of research: Epidemiology and health statistics.

#### Associate Professor DU Hua

Areas of research: Medical education management.

#### Lecturer XIONG Fang

Areas of research: Comparative literature and world literature, cross-culture study.

#### (2) Teaching Methods

Course teaching, practice and field study.

#### (3) Semesters Arrangement

Southern Medical University adopts two semesters in one academic year, and this program has four semesters. Course teaching will be arranged in the first and second semester, and by the end of the second semester, students will be required to select a research topic under the guidance of the supervisor and finish a thesis proposal. In the third semester, research is combined with practical investigation. Students are expected to complete their thesis and pass thesis defense in the fourth semester.

#### (4) Thesis

#### 1) Thesis Requirements

Students need to make a thesis work plan under the guidance of their supervisor, in which detailed arrangements should be made for research methods, experimental scheme and methods, thesis writing, deadlines and expected results. Normally they need to complete thesis proposal in the second semester, submit formal thesis and participate in thesis defense at the beginning of the fourth semester.

#### 2) Defense Requirements

Students must complete all the required courses and practice, get through course assessments, complete the required credits and submit the practice research report before the thesis defense application. The preliminary thesis is required to be reviewed by the supervisor before submission to the reviewers. The formal defense is only for the eligible applicants. Specific arrangement will be implemented by the School of Public Health and School of Health Service Management of Southern Medical University. Please refer to the Master's degree defense requirements of Southern Medical University for uncovered matters.

#### (5) Degrees

The master degree of Public Health will be conferred on students who had successfully completed the required credit courses and the master thesis, passed the thesis defense within the required time period and got approval from University Degree Committee.

## **II** Application

#### 1. Requirement

All applicants must meet the following admission requirements:

- Applicants must be non-Chinese citizens from developing countries and aged below 45 (born after September 1<sup>st</sup>, 1977);
- (2) Applicants must be physically and mentally healthy, can provide health certificate or physical examination form issued by the local public hospitals upon request and have no diseases prohibited by Chinese laws and regulations to enter or stay in China for a long time. Applicants with severe chronic diseases such as serious high blood pressure, cardiovascular/cerebrovascular diseases, diabetes and cancer, etc., or with mental diseases or epidemic diseases that are likely to cause serious threat to public health, or in the process of recovering after a major operation or in the process of acute diseases, or seriously disabled, will be declined to attend this program. Pregnant women are not allowed to attend this program in China. If they become pregnant while studying in China, they will be expelled from the school;
- (3) Applicants should have a bachelor degree recognized by Chinese Ministry of Education, and at least three years of working experience;
- (4) Applicants should have a medical related education or working background. Administrative personnel and professional public health talents from public health departments of developing countries, including health administrative departments, hospitals, disease control centers, community health organizations and inspection & quarantine organizations are preferred;
- (5) Applicants should serve as the senior administrators(charge a department or above), senior managers, academic backbones of the government departments, various institutions and enterprises, universities and scientific research institutions of their own countries;
- (6) Applicants should be proficient in English (Applicants from non-English-speaking countries must reach a score above 6.5 in IELTS (6.0 or above for each item) or 90 in TOEFL (20 or above for each item); or provide other comparable certificates proving English proficiency. Applicants from English-speaking countries or receiving the last degree with the instruction in English are exempt from submitting the English proficiency certificates, but the certificate of English medium issued by the school graduated from shall be provided);
- (7) Applicants should have the potential for career development, intend to promote

friendly exchanges and cooperation between their own countries and China;

(8) Students who have studied in China or have been admitted to other Chinese government scholarship programs are not allowed to apply.

#### 2. Procedure

#### (1) Application for Admission

Applicants' current organization should send a recommendation to the Economic and Commercial Counselor's Office, Embassy of the People's Republic of China.

Upon approval, visit Southern Medical University International Student Service System at *https://fimmu.at0086.cn/Student*, upload the required materials, and complete the online application("Financial Support" type please select "scholarship of Chinese Ministry of Commerce"). Failure to provide accurate materials as required shall be regarded as an invalid application. Please provide all paper application materials when registration.

#### (2) Application for Scholarship

Please visit the online application system of Chinese Government Scholarship Information System at *https://studyinchina.csc.edu.cn/#/login*, and register for an account. After login in, apply online, select the program "Chinese Government Scholarship", fill in all the required information, and an application form will come into being. Print out the form, sign your name and date, and then paste a photo on it. To complete the form successfully, please note the following information:

(a) The Scholarship type is "Type B"; Agency No. of Southern Medical University is "12121"; Discipline category is "Medicine"; Major is "Public Health";

(b) The CSC number generated in the table will be required for the Visa Application Form for Study in China (JW201).

	Documents	Requirements	Original copy	Photocopy
1	SMU Application Form	Please visit https://fimmu.at0086.cn/Student, complete the online application, and print it out.	1	1
2	Chinese Government Scholarship Application Form	Please visit https://studyinchina.csc.edu.cn/#/login, fill in the application form, print it out, sign your name and date, and paste a photo on it.	1	1
3	Recommendation Letters	Two recommendation letters are required: one by a superior in the institution where the applicant works; the other by an associate professor or above who knows the applicant well.	2	1
4	Degree Certificates	An original copy and a photocopy need to be prepared for each degree.	1	1
5	Official Transcripts	Transcripts must list all courses taken and all scores obtained.	1	1

#### Academic Education Programs Sponsored by Ministry of Commerce PRC

	Documents	Requirements	Original copy	Photocopy
6	CV	In English.	1	1
7	Personal Statement	StatementPersonal statement must be written in English. It shall cover such essential elements as applicant's academic background, work experience, achievements, and future career plans, including a research plan at SMU.		1
8	Photocopy of a Valid Passport	The passport must be a personal regular passport. All successful candidates must enter China and register with Southern Medical University using the same passport as used for applying for the program.	0	2
9	English Language Proficiency Test Results	Applicants who are not native English speakers or whose undergraduate education was not conducted in English shall provide TOEFL or IELTS test scores.	1	1
10	Photos	Two photos with white background in 2 inches.	2	0
11	Physical Examination Form	The health form shall be issued within one month before the submission of application, showing that the applicant carries no infectious diseases which may have a serious impact on public health or fall into any of the health situations prohibited by China's Entry-Exit Inspection and Quarantine Laws and Regulations.	1	1

#### (4) Submission

(a)Students can apply for the project only after they have been approved and recommended by the relevant government departments, and submit materials according to the specific requirements of the relevant departments in the country.

(b) If the government of the host country permits individual students to submit materials directly to Chinese embassies, students shall hold the permission certificates of study in China or recommendation letters approved by the host country, submit all the application materials listed in the above table in both hard copy and scanned copy, to the Economic and Commercial Counselor's Office of Chinese Embassy. Hard copy must include both the original copy and the photocopy, as indicated in the table. The address and contact information of the Economic and Commercial Counselor's Office can be found in the official website of the International Business Official Research Institute of Ministry of Commerce (English version), http://www.china-aibo.cn/.

(c)Relevant department of the host country shall submit a written request to the Economic and Commercial Counselor's Office of Chinese Embassy to ask for an official recommendation letter for the recommended students and clearly state:

a) Whether the applicant is willing to be considered for a similar program at other universities if the programs at MPH are already full;

b) Other special requests if any.

#### **Reminders:**

(a) All the documents to be submitted should be in Chinese or English. Otherwise, a notarized copy in Chinese or English is required.

(b) An original copy of degrees, transcripts and language certificates must be presented for on-site verification. After the verification by staffs of the Economic and Commercial Counselor's Office, the applicant should send the scanned application materials to the admission contact person of the university.

(c) Applicants will get back all the hardcopy materials, both original copies and photocopies from the Economic and Commercial Counselor's Office. If admitted, they must take the documents to China and submit them to the Institute of the university during registration.

#### 3. Deadline

The application deadline is May 20, 2022.

#### **II** Important Notes

#### 1. Contacts

Contact person: Swin Zhang, Wendy Liu, Wade Zhou Tel: 0086-20-61648353 Fax: 0086-20-61648354 E-mail: smuywpx@163.com Website: http://istudy.smu.edu.cn/ Address: School of International Education, Southern Medical University, NO.1023, South Shatai Road, Guangzhou, Guangdong Province, P. R. China, 510515.

#### 2. Notes

(1) None of the materials submitted to the Southern Medical University will be returned.

(2) No explanation will be made regarding admission results.

(3) No spouses or children are allowed to come to China to accompany the students. If a student expects to have his/her spouse, children, relatives or friends to visit him/her during the stay in China, the visitor will have to bear all the expenses by him/herself.

(4) Other necessary documents and requirements for visa processing will be included in the Admission letters.



## School of International Education of Southern Medical University

Address: No.1023, South Shatai Road, Guangzhou, Guangdong Province, China. Postal Code: 510515 Tel: 0086-20-6164 8357, 6164 8353, 6164 8390 Fax: 0086-20-6164 8354 E-mail: smuywpx@163.com Website: http://istudy.smu.edu.cn/