※ Curriculum Planning of Institute Of Epidemiology And Preventive Medicine (Master)

Major	Divisions of epidemiology	Divisions of preventive medicine	Divisions of biostatistics and data science
Common Courses	**required credits: 7** 1. Public Health : Perspective and Prospect （2） 2. Principles of Epidemiology (2) 3. Generalized Linear Models (3)		
Core courses	**required credits: 4** ● Special Topics in Epidemiology (2) ● Case Study in Epidemiologic Research (1) ● Study Design of Epidemiology (1)	**required credits: 10** ● Introduction to Preventive Medicine (2) ● Seminar on Practice of Preventive Medicine (2) ● Practice in Preventive Medicine (2) ● Critical Appraisal of Preventive Medicine Methods (2) ● Thesis Writing on Preventive Medicine (2)	**working students: 3** ＊Application and Analysis in Biostatistics - R (1) ＊Introduction to Public Health (2) or Public Health : Perspective and Prospect
Elective courses	**Area of Infectious Diseases** Seminar on New Emerging Vector-borne and Zoonotic Diseases, Environment and Tropical Diseases, Modeling of Infectious Diseases Epidemiology, Laboratory Diagnosis of Reportable Diseases in Taiwan, Advanced Epidemiology of Infectious Disease, Global Epidemiology of Tuberculosis: Prevention and Control, Control Strategies for Infectious Disease in Taiwan, Seminar on Chronic Infectious Diseases Control Communicable disease control and prevention: Ethics and Regulations, Seminar on Chronic Infectious Diseases Control Communicable disease control and prevention: Ethics and Regulations II Case Studies in Infectious Disease Control　Molecular Epidemiology in Infectious Diseases Vaccinology　Case study for infectious disease control policy: Challenges for Taiwan and the world　Vaccine Policy and Immunization Practices	**Area of Chronic Diseases** Pharmacoepidemiology, Clinical Epidemiology, Cancer Epidemiology, Nutritional Epidemiology, Contemporary Research Topics in Epidemiology, Preventive Medicine of Cardiovascular Disease, Seminar on Community Medicine, Issues in Epidemiological Research on Affective Disorders, Principle of Genetic Epidemiology, Psychiatric Disorders and Psychopathology, Introduction to Mental Health, Epidemiology in Children's Health, Preventive Medicine of Chronic Disease　Epidemiology of Chronic Disease Geriatric Healthcare　Mood Disorder and Public Health Contemporary addiction problems in Taiwan Evidence-based Public Health Nutrition	**Area of Quantitative methods** Quantitative Medthod Genomic Research, Statistical Inference, Statistical Inference Practice, Applied Multivariate Quantitative Methods, Methods in Descriptive Epidemiology, Systematic Review and Meta-analysis, Event History Analysis, Biostatistics (I) (II), Biomedical Statistical Consultation (M1-M3), Biomedical Statistics (MI-1, MI-2), Special Topics in Case Control Methodology, Principles of Statistics, Applied Bayesian Statistical Analysis, Principles of Epidemiology: Practice of Data Analysis, Clinical Trial , Special Topics in Genomic Studies, Survival Analysis, Biostatistics in Research Method, Mathematical Statistics, Genetic Statistics, Advanced Genetic Statistics, Applied Stochastic process (II), Statistics in Disease Screening, Applied Stochastic process (I), Secondary Health Data-Application and Practice ,Time Series Analysis, Introduction and Application of Computation Biology Methods Health Data and Application Software　Application and Analysis in Biostatistics－R　Genetic Data Analysis　Measuring burden of disease: methods and applications　Advanced Statistical Methods for Lifetime Data and Longitudinal Data　Introduction to Meta-analysis　High-Dimensional Statistical Methods Introduction to Statistical Learning　Introduction to Statistical Learning Genomic Epidemiology Statistical and Machine Learning Advanced analytical methods for meta-analysis　Causal Inference R programming and application to Public Health data　Analysis And Software Practice For Health Database	**Integrated areas** Complementary Alternative Medicine in Preventive Medicine, Clinical Trial, Qualitative Research and Disease Prevention, Community Medicine and Primary Health Care, Emergency Medical Services and Disaster Response Systems, Substance Use and Public Health, Seminar on Community Medicine ,Fundamentals of English Writing, Academic English Writing　Review of contemporary public health events in Taiwan　Public Health Leadership and Entrepreneurship　Practice and Case Studies in Quantitative Global Health　Cancer Registration and Cancer Statistics　Genetics and Medicine in Population Health

※ Curriculum Planning of Graduate Institute Of Epidemiology And Preventive Medicine (Doctor)

Major	Divisions of epidemiology	Divisions of biostatistics and data science	Divisions of preventive medicine
Common Courses	**required credits: 4** 1. Public Health : Perspective and Prospect (2)		
	2. Advanced Methods in Epidemiology (2)	2. Advanced Methods in Epidemiology (2) or Principles of Epidemiology (2)[choose one of two]	2. Advanced Methods in Epidemiology (2)　or Principles of Epidemiology (2) [choose one of two]
Core courses	**required credits: 6** ● Review of Issues in Epidemiology (2) ● Seminar on Epidemiology（Ⅰ）(1) ● Case Study in Epidemiologic Research（Ⅰ）(1) ● Special Seminar on Epidemiology（Ⅱ）(1) ● Case Study in Epidemiologic Research（Ⅱ）(1)	**required credits: 7** ● Mathematical Statistics (3) ● Seminar on Biomedical Statistics D1 (1) ● Seminar on Biomedical Statistics D2 (1) ● Seminar on Biomedical Statistics D3 (1) ● Seminar on Biomedical Statistics D4 (1)	**required credits: 6** ● Advanced Theory of Preventive Medicine (2) ● Advanced Seminar of Preventive Medicine (I) (1) ● Advanced Seminar of Preventive Medicine(II) (1) ● Advanced Seminar of Preventive Medicine (III) (1) ● Advanced Seminar of Preventive Medicine (IV) (1)
Elective courses	**Area of Infectious Diseases** Seminar on New Emerging Vector-borne and Zoonotic Diseases, Environment and Tropical Diseases, Modeling of Infectious Diseases Epidemiology, Laboratory Diagnosis of Reportable Diseases in Taiwan, Advanced Epidemiology of Infectious Disease, Global Epidemiology of Tuberculosis: Prevention and Control, Control Strategies for Infectious Disease in Taiwan, Seminar on Chronic Infectious Diseases Control Communicable disease control and prevention: Ethics and Regulations, Seminar on Chronic Infectious Diseases Control Communicable disease control and prevention: Ethics and Regulations II Case Studies in Infectious Disease Control　Molecular Epidemiology in Infectious Diseases Vaccinology　Case study for infectious disease control policy: Challenges for Taiwan and the world　Vaccine Policy and Immunization Practices	**Area of Chronic Diseases** Pharmacoepidemiology, Clinical Epidemiology, Cancer Epidemiology, Nutritional Epidemiology, Contemporary Research Topics in Epidemiology, Preventive Medicine of Cardiovascular Disease, Seminar on Community Medicine, Issues in Epidemiological Research on Affective Disorders, Principle of Genetic Epidemiology, Psychiatric Disorders and Psychopathology, Introduction to Mental Health, Epidemiology in Children's Health, Preventive Medicine of Chronic Disease　Epidemiology of Chronic Disease Geriatric Healthcare　Mood Disorder and Public Health Contemporary addiction problems in Taiwan Evidence-based Public Health Nutrition	**Area of Quantitative methods** Quantitative Medthod Genomic Research, Statistical Inference, Statistical Inference Practice, Applied Multivariate Quantitative Methods, Methods in Descriptive Epidemiology, Systematic Review and Meta-analysis, Event History Analysis, Biostatistics (I) (II), Biomedical Statistical Consultation (M1-M3), Biomedical Statistics (MI-1, MI-2), Special Topics in Case Control Methodology, Principles of Statistics, Applied Bayesian Statistical Analysis, Principles of Epidemiology: Practice of Data Analysis, Clinical Trial , Special Topics in Genomic Studies, Survival Analysis, Biostatistics in Research Method, Mathematical Statistics, Genetic Statistics, Advanced Genetic Statistics, Applied Stochastic process (II), Statistics in Disease Screening, Applied Stochastic process (I), Secondary Health Data-Application and Practice ,Time Series Analysis, Introduction and Application of Computation Biology Methods Health Data and Application Software　Application and Analysis in Biostatistics－R　Genetic Data Analysis　Measuring burden of disease: methods and applications　Advanced Statistical Methods for Lifetime Data and Longitudinal Data　Introduction to Meta-analysis High-Dimensional Statistical Methods　Introduction to Statistical Learning　Genomic Epidemiology　Statistical and Machine Learning Advanced analytical methods for meta-analysis　Causal Inference R programming and application to Public Health data　Analysis And Software Practice For Health Database	**Integrated areas** Complementary Alternative Medicine in Preventive Medicine, Clinical Trial, Qualitative Research and Disease Prevention, Community Medicine and Primary Health Care, Emergency Medical Services and Disaster Response Systems, Substance Use and Public Health, Seminar on Community Medicine ,Fundamentals of English Writing, Academic English Writing　Review of contemporary public health events in Taiwan　Public Health Leadership and Entrepreneurship　Practice and Case Studies in Quantitative Global Health　Cancer Registration and Cancer Statistics　Genetics and Medicine in Population Health