

课程详述

COURSE SPECIFICATION

以下课程信息可能根据实际授课需要或在课程检讨之后产生变动。如对课程有任何疑问，请联系授课教师。

The course information as follows may be subject to change, either during the session because of unforeseen circumstances, or following review of the course at the end of the session. Queries about the course should be directed to the course instructor.

1.	课程名称 Course Title	流行病学与预防医学 Epidemiology and Preventive Medicine
2.	授课院系 Originating Department	医学院 School of Medicine
3.	课程编号 Course Code	MED312
4.	课程学分 Credit Value	2
5.	课程类别 Course Type	专业基础课/ Major Basic Courses
6.	授课学期 Semester	春季/ Spring
7.	授课语言 Teaching Language	中英双语 English & Chinese
8.	授课教师、所属学系、联系方式 Instructor(s), Affiliation & Contact (For team teaching, please list all instructors)	袁静, 南方科技大学附属第二医院, 13500054798@139.com Jing Yuan, 2st Affiliated Hospital of SUSTech, 13500054798@139.com
9.	实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact	
10.	选课人数限额(可不填) Maximum Enrolment (Optional)	

11. 授课方式 Delivery Method	讲授 Lectures	习题/辅导/讨论 Tutorials	实验/实习 Lab/Practical	其它(请具体注明) Other (Please specify)	总学时 Total
学时数 Credit Hours	32	0	0	0	32
12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	无/NA				
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite	待定/To be determined				
14. 其它要求修读本课程的学系 Cross-listing Dept.	待定/To be determined				

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

<p>理解流行病学的原理和方法。</p> <p>增进疾病预防控制基本知识。</p> <p>提高公共卫生应急技能。</p> <p>To teach the basic concepts and research methods of epidemiology.</p> <p>To teach basic knowledge of disease prevention and control.</p> <p>To develop student's basic skills in public health emergency.</p>

16. 预达学习成果 Learning Outcomes

<p>掌握流行病学的基本原理和基本研究方法，疾病的危险因素及预防策略、传染病预防控制的基本策略、公共卫生应急处置基本流程。</p> <p>了解如何运用流行病学的观点和方法，开展病因研究，人群健康和疾病调查、管理和防治工作。</p> <p>掌握疾病的危险因素及预防策略、传染病预防控制的基本策略、公共卫生应急处置基本流程。</p> <p>熟悉流行病学基本概念和研究方法、实验室生物安全基本要求，了解常见公共卫生问题。</p> <p>Grasp the basic principles and basic research methods of epidemiology, disease risk factors and prevention strategies, basic strategies for the prevention and control of infectious diseases, and basic procedures for public health emergency response.</p> <p>Understand how to use the viewpoints and methods of epidemiology to carry out etiological research, population health and disease investigation, management and prevention.</p> <p>To master the risk factors of diseases and tertiary prevention strategies, basic strategies for infectious disease prevention and control, and basic processes for public health emergency response.</p> <p>To be familiar with the basic concepts and research methods of epidemiology, basic requirements for laboratory biosafety, and to understand common public health issues.</p>

17. 课程内容及教学日历（如授课语言以英文为主，则课程内容介绍可以用英文；如团队教学或模块教学，教学日历须注明主讲人）

Course Contents (in Parts/Chapters/Sections/Weeks. Please notify name of instructor for course section(s), if this is a team teaching or module course.)

Section	Teaching Contents	Hours
1	<p>流行性学与预防医学概论</p> <p>流行病学和预防医学的定义、内涵、外延和学科性质，主要研究内容，学习流行病学和预防医学的意义</p> <p>Introduction to Epidemiology and Preventive Medicine</p> <p>The definition, connotation and extension of epidemiology and preventive medicine and specialty of discipline; the main research contents; the meaning of learning epidemiology and preventive medicine</p>	2
2	<p>流行病学的资料来源、疾病分布、病因与病因推断</p> <p>健康相关数据资料的来源、测量及常用指标、疾病的分布、病因的概念及模型、推断方法</p> <p>Epidemiological data sources, distribution of diseases, Cause inference: Sources, measurements and common indicators of health-related data, distribution of diseases, concepts and models of causes, and methods for inference of causes</p>	2
3	<p>常用流行病学的研究方法</p> <p>描述性研究、队列研究、病例对照研究、实验流行病学研究</p> <p>Commonly used epidemiological research methods</p> <p>Descriptive study, Cohort study, Case-control study, Experimental Studies</p>	2
4	<p>筛查与诊断试验评价、疾病预后研究</p> <p>筛查与诊断试验评价、疾病预后研究的概述、设计、实施、评价及常见偏倚</p> <p>Evaluation of Screening and diagnostic test, disease prognosis research</p> <p>Evaluation of screening and diagnostic tests, overview, design, implementation, evaluation and common biases of disease prognosis research</p>	2
5	<p>传染病的流行病学、预防与控制</p> <p>常见传染病的诊断依据、流行环节、爆发调查及预防控制策略</p> <p>Basic Principles of Prevention and Control of Communicable Diseases</p> <p>The diagnostic basis, epidemic links and prevention and control strategy of common infectious diseases</p>	2
6	<p>慢性非传染性疾病的流行病学、预防与管理</p> <p>慢性非传染性疾病的流行性特征、影响因素、预防控制和管理</p> <p>Epidemiology, prevention and management of chronic non-communicable diseases</p> <p>Epidemiological characteristics, influencing factors, prevention, control and management of chronic non-communicable diseases</p>	2
7	<p>疾病监测、公共卫生监测与疾病爆发调查</p>	2

	<p>疾病监测的概念、程序、方法和监测系统，公共卫生监测与疾病爆发调查</p> <p>Disease surveillance, public health surveillance and disease outbreak investigation</p> <p>The concept, procedure, method and system of disease surveillance, public health surveillance and disease outbreak investigation</p>	
8	<p>循证医学与系统评价</p> <p>循证医学与系统评价的基础、应用和进展</p> <p>Evidence-based medicine and systematic review</p> <p>Basis, application and progress of evidence-based medicine and systematic review</p> <p>药物流行病学</p> <p>药物流行病学研究内容、方法、设计原则、应用和评价</p> <p>Drug epidemiology</p> <p>Research content, methods, design principles, application and evaluation of drug epidemiology</p>	2
9	<p>临床预防服务与健康行为干预</p> <p>临床预防服务的概念、规范和实施，健康行为及其影响因素、健康行为改变理论、健康教育与健康促进、健康咨询</p> <p>Clinical preventive service and healthy behavior intervention</p> <p>Concept, standard and implementation of clinical preventive services, healthy behavior and its influencing factors, theory of healthy behavior change, health education and health promotion, health consultation</p>	2
10	<p>职业病与职业医学</p> <p>职业性有害因素及其来源，职业性病损的致病条件与职业病特点，职业性损害的防制</p> <p>Occupational Disease and Occupational Medicine</p> <p>Harmful factors and its origin of occupational disease; pathogenic condition of occupational disorders and occupational disease characteristics; the prevention of occupational adverse effect</p>	2
11	<p>营养与食品安全</p> <p>食物中营养素的测定方法，人体营养状况评价的基本方法，食物中常见污染物及添加剂的测定方法；以酒中甲醇测定为代表，学习各类食品的卫生检验方法及内容</p> <p>Food Nutrition and Health</p> <p>The determination of nutrients, common contaminants and additive in food, the basic method of human nutrition evaluation. Learn various food hygiene inspection method and content via methanol determination in wine as an example</p>	2
12	<p>食源性疾病</p> <p>食源性疾病的定义、种类、特点，食源性疾病的预防控制</p> <p>Food-borne Diseases</p> <p>The definition, classification, characteristics and prevention and control of food-borne diseases</p>	2
13	<p>实验室生物安全</p> <p>实验室生物安全管理制度，感染性微生物的危险度等级分类，生物学操作技术规范，意外事</p>	2

	<p>故应对方案</p> <p>Laboratory Biosafety</p> <p>Laboratory biosafety management regulation, classification of dangerous levels of infectious microorganisms, technical specifications of biological operations, and accident response plan</p>	
14	<p>突发公共卫生事件及其应对策略</p> <p>自然灾害、食品安全、环境污染、传染病、化学毒物泄漏等公共卫生事件应对</p> <p>Public health emergencies and their response strategies</p> <p>Countermeasures of natural disasters, food safety, environmental pollution, infectious diseases, leakage of chemical toxicants and other public health events</p>	2
15	<p>卫生服务体系与卫生管理</p> <p>卫生系统及中国卫生体制改革、医疗保险与医疗费用控制、全球健康策略与健康中国</p> <p>Health service system and health management</p> <p>Health System and China's Health System Reform, Medical Insurance and Medical Expense Control, Global Health Strategy and Healthy China</p>	2
16	<p>公共卫生案例分析（传染病及与非传染病）</p> <p>常见传染病暴发流行、食物中毒、环境污染、职业中毒等案例分析</p> <p>Case Analysis in the Practice of Public Health (non-communicable diseases)</p> <p>Case analysis of outbreaks of common communicable diseases, via food poisoning, environmental pollution and occupational poisoning, etc</p>	2

18 教材及其它参考资料 Textbook and Supplementary Readings

教材 Textbook:

Preventive Medicine, Medical Statistics and Epidemiology. Zhao Jinshun, Ni Chunhui. Zhejiang University Press, 2014.

参考书 Reference books:

1. 《预防医学》第7版 傅华 人民卫生出版社
2. 《流行病学》第9版 沈洪兵 齐秀英 人民卫生出版社
3. 《公共卫生与预防医学导论》李立明 人民卫生出版社

参考资料 Reference materials:

1. <http://www.who.int>
2. <https://www.cdc.gov/niosh/>
3. <http://www.chinacdc.cn>
4. <http://www.ilo.org/>

5. <http://www.chinasafety.gov.cn>
6. http://dohs.ors.od.nih.gov/industrial_hygiene.htm

课程评估 ASSESSMENT

19. 评估形式 Type of Assessment	评估时间 Time	占考试总成绩百分比 % of final score	违纪处罚 Penalty	备注 Notes
出勤 Attendance		10		
课堂表现 Class Performance		10		
小测验 Quiz				
课程项目 Projects				
平时作业 Assignments		30		
期中考试 Mid-Term Test				
期末考试 Final Exam		50		
期末报告 Final Presentation				
其它（可根据需要 改写以上评估方 式） Others (The above may be modified as necessary)				

20. 记分方式 GRADING SYSTEM

- A. 十三级等级制 Letter Grading
- B. 二级记分制（通过/不通过） Pass/Fail Grading

课程审批 REVIEW AND APPROVAL

21. 本课程设置已经过以下责任人/委员会审议通过
This Course has been approved by the following person or committee of authority

本课程已经医学院教学副院长张文勇教授审核通过。