

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	改变世界的流行病 Epidemics Changed the World
2.	授课院系 Originating Department	社会科学中心 Center for Social Sciences
3.	课程编号 Course Code	SS144
4.	课程学分 Credit Value	2
5.	课程类别 Course Type	通识选修课程 General Education (GE) Elective Courses
6.	授课学期 Semester	秋季 Fall
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 (如属团队授课, 请列明其他授课教师) Instructor(s), Affiliation & Contact (For team teaching, please list all instructors)	朱斌, 公共卫生及应急管理学院助理教授 Zhu Bin, Assistant Professor, School of Public Health and Emergency Management, Email: zhub6@sustech.edu.cn
9.	实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact	无 NA
10.	选课人数限额(可不填) Maximum Enrolment (Optional)	30

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				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	无 NA				
14. 其它要求修读本课程的学系 Cross-listing Dept.	无 NA				

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

流行病学是研究人群中疾病与健康状况的分布及其影响因素,并研究如何防治疾病及促进健康的策略和措施的科学。本课程的主要目的是帮助学生全面了解在全世界产生重大影响的流行性疾病的起因、传播及其控制。要求学生了解影响世界的主要流行病的起因、传播方式、原因、控制措施及其经验教训等。在此基础上,希望学生能从自己所学专业的角度,思考影响疾病流行的环境因素及应对措施,提高其独立思考能力,形成良好的行为习惯的能力。

Epidemiology is a science that studies the distribution and influencing factors of diseases and health conditions in the population, and studies how to prevent and treat diseases and strategies and measures to promote health. The main purpose of this course is to help students fully understand the causes, transmission and control of epidemic diseases that have a significant impact all over the world. Students are required to understand the causes, modes of transmission, causes, control measures and lessons of major epidemics affecting the world. On this basis, it is hoped that students can think about the environmental factors affecting the prevalence of diseases and countermeasures from the perspective of their major, so as to improve their ability to think independently and form good behavior habits.

16. 预达学习成果 Learning Outcomes

- 1) 对流行病学基本理论及流行病学研究的设计与方法的掌握。Students will know the the basic theory of epidemiology and the design and method of epidemiology research.
- 2) 全面了解在全世界产生重大影响的流行性疾病的起因、传播及其控制。Students will fully understand the causes, transmission and control of epidemic diseases that have a significant impact all over the world.
- 3) 用流行病学的思维和视角来分析卫生健康问题。Students could use epidemiological thinking and perspective to analyze and deal with health and hygiene problems.

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.)

本课程将向学生讲述突发流行病学的基本理论知识和典型案例，具体包括利用流行病学研究方法和技术开展疾病和健康调查，本课程还将引导学生围绕影响全球的各类流行病进行汇报和讨论。

This course will introduce the basic theoretical knowledge and typical cases of emergency epidemiology to students, including the use of epidemiological research methods and technologies to carry out disease and health investigation. The course will also lead students to presentations and discussions on various epidemics affecting the world.

(教学日历：中英双语)



Section	Topic	Hours
1	<p>流行病学概论 Introduction to epidemiology</p> <ul style="list-style-type: none"> ➢ 流行病学简介 ➢ 流行病、流行病学定义 ➢ 流行病学的原理和应用 ➢ 流行病学与其他学科的关系及流行病学展望 	2
2	<p>流行病预防策略 Epidemic prevention strategy</p> <ul style="list-style-type: none"> ➢ 健康及其影响因素 ➢ 疾病的三级预防 ➢ 公共卫生监测的概念及目的 ➢ 公共卫生监测方法及步骤 	2
3	<p>影响世界的流行病：传染病 Change the world: infectious diseases</p> <ul style="list-style-type: none"> ➢ 传染病概述 ➢ 传染病的流行 ➢ 传染病流行病学 	2
4	<p>流行病学调查 Epidemic Investigation</p> <ul style="list-style-type: none"> ➢ 流行病学调查概念 ➢ 流行病学调查步骤 ➢ 流行病学调查用途 	2
5	<p>流行病案例：霍乱 Epidemic Case: Cholera</p> <ul style="list-style-type: none"> ➢ 疾病介绍 ➢ 持续时间 ➢ 带来伤亡 ➢ 经验和教训 	2
6	<p>流行病案例：流感 Epidemic Case: Influenza</p> <ul style="list-style-type: none"> ➢ 疾病介绍 ➢ 持续时间 ➢ 带来伤亡 ➢ 经验和教训 	2
7	<p>流行病案例：埃博拉 Epidemic Case: Ebola</p> <ul style="list-style-type: none"> ➢ 疾病介绍 ➢ 持续时间 ➢ 带来伤亡 经验和教训 	2
8	<p>基于课程主题的小组汇报讨论 Group report and discussion based on the subject of the course</p>	2
9	<p>流行病案例：黑死病 Epidemic Case: Black death</p> <ul style="list-style-type: none"> ➢ 疾病介绍 ➢ 持续时间 ➢ 带来伤亡 ➢ 经验和教训 	2
10	<p>流行病案例：SARS Epidemic Case: SARS</p> <ul style="list-style-type: none"> ➢ 疾病介绍 ➢ 持续时间 ➢ 带来伤亡 ➢ 经验和教训 	2
11	<p>流行病案例：新冠肺炎 Epidemic Case: COVID-19</p> <ul style="list-style-type: none"> ➢ 疾病介绍 	2

	<ul style="list-style-type: none"> ➢ 持续时间 ➢ 带来伤亡 ➢ 经验和教训 	
12	流行病案例：性传播疾病 Epidemic Case: Sexually transmitted infections <ul style="list-style-type: none"> ➢ 疾病介绍 ➢ 持续时间 ➢ 带来伤亡 ➢ 经验和教训 	2
13	流行病案例：媒介传播疾病 Epidemic Case: Vector-borne diseases <ul style="list-style-type: none"> ➢ 疾病介绍 ➢ 持续时间 ➢ 带来伤亡 ➢ 经验和教训 	2
14	流行病案例：中国的抗疫故事 Epidemic Case: The China story <ul style="list-style-type: none"> ➢ 疾病介绍 ➢ 持续时间 ➢ 带来伤亡 ➢ 经验和教训 	2
15	基于课程主题的小组汇报讨论 Group report and discussion based on the subject of the course	2
16	基于课程主题的小组汇报讨论 Group report and discussion based on the subject of the course	2

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

教材 Textbook:

[1] 《流行病学》，詹思延. 人民卫生出版社，2018 年出版 *Epidemiology*. Siyan Zhan. People's Medical Publishing House. 2018.

参考资料 Supplementary Readings:

[2] 《流行病学实习教程》. 张卫东. 人民卫生出版社，2018 年出版 *Internship course in Epidemiology*, Weidong Zhang. People's Medical Publishing House. 2018.

[3] *A short introduction to epidemiology*. Neil Pearce. 2nd Edition, 2012 (英文参考书)

[4] *Basic epidemiology*. R Bonita, R Beaglehole, T Kjellström, WHO, 2006 (英文参考书)

[5] *Epidemiology*. fifth edition, Leon Gordis, Elsevier, 2013. (英文参考书)

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	每周 Every Week	20%		
√ 课堂表现 Class Performance	每周 Every Week	30%		
小测验 Quiz				
课程项目 Projects				

√ 平时作业 Assignments	16周 Week 16	20%		
期中考试 Mid-Term Test				
期末考试 Final Exam				
√ 期末报告 Final Presentation	16周 Week 16	30%		
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

