

课程大纲

COURSE SYLLABUS

1.	课程代码/名称 Course Code/Title	临床流行病学 Clinical Epidemiology
2.	课程性质 Compulsory/Elective	选修 Elective
3.	开课单位 Offering Dept.	医学院（公共卫生及应急管理学院） Medical School (School of Public Health and Emergency Management)
4.	课程学分/学时 Course Credit/Hours	32 Credits
5.	授课语言 Teaching Language	中英 Chinese/English
6.	授课教师 Instructor(s)	赵文静
7.	开课学期 Semester	秋季 Fall
8.	是否面向本科生开放 Open to undergraduates or not	否
9.	先修要求 Pre-requisites	（如面向本科生开放，请注明区分内容。 If the course is open to undergraduates, please indicate the difference.） 无
10.	教学目标 Course Objectives	<p>（如面向本科生开放，请注明区分内容。 If the course is open to undergraduates, please indicate the difference.）</p> <p>本课程面向临床医学专业硕士的研究生，讲授描述性研究、队列研究、病例对照研究、实验性研究等临床研究的设计、临床研究的测量和评价，并穿插国内外经典或常见研究的实际应用。理论和实际相结合，帮助学生理解和掌握临床流行病学的研究设计方法，拓宽学生视野，提高学生的科研素质。</p> <p>This course is designed for master students majoring in clinical medicine. It teaches learners the clinical research design, including descriptive study, cohort study, case-control study and experimental epidemiology study design, and clinical research measurement and assessment. The common study design at home or abroad and the related examples will be followed for the theoretical framework. This course aims to help the learners understand and master the main clinical study design, broaden their horizons and improve their scientific research quality by combining theory with practice.</p>
11.	教学方法 Teaching Methods	<p>（如面向本科生开放，请注明区分内容。 If the course is open to undergraduates, please indicate the difference.）</p> <p>本课程拟运用理论与实际相结合的方式向学生讲授常见的临床研究设计方法。结合平时作业、课堂提问，学生实际演练，圆满完成授课任务。</p> <p>This course aims to introduce learners to the common clinical study design by integrating theory with practice. It is expected to successfully complete the teaching task by assigning homework, classroom questions, and practical exercises.</p>
12.	教学内容 Course Contents	（如面向本科生开放，请注明区分内容。 If the course is open to undergraduates, please indicate the difference.）

Section 1	<p>绪论 Introduction to clinical epidemiology</p> <p>1.1 临床流行病学基本概念、特点 The definition, and characteristics</p> <p>1.2 研究内容及研究方法: The contents, and research methods</p>
Section 2	<p>临床研究资料收集与分类测量指标 Clinical study materials collections and measured indicators classification</p> <p>2.1 临床研究资料来源、测量方法 The clinical study materials source, measurements</p> <p>2.2 临床研究资料类型以及测量指标 The categories and indicators</p>
Section 3	<p>临床研究设计的原则 Clinical study design principle</p> <p>3.1 临床研究的主要特点、临床研究设计的基本要素 The characteristics, basic ingredients</p> <p>3.2 临床研究的基本原则以及伦理学问题 The basic principle and ethical issues</p>
Section 4	<p>临床研究设计方法——描述性研究 Clinical study design——descriptive study</p> <p>4.1 描述性研究的概念、特点、用途 The definition, characteristics, purpose</p> <p>4.2 描述性研究的实施步骤、优缺点等 Implementation steps, advantages, and disadvantages</p>
Section 5	<p>临床研究设计方法——队列研究 Clinical study design——cohort study</p> <p>5.1 队列研究的概念、特点、用途 The definition, characteristics, purpose</p> <p>5.2 队列研究的实施步骤、优缺点等 Implementation steps, advantages, and disadvantages</p>
Section 6	<p>临床研究设计方法——病例对照研究 Clinical study design——case-control study</p> <p>6.1 病例队列研究的概念、特点、用途 The definition, characteristics, purpose</p> <p>6.2 病例队列研究的实施步骤、优缺点等 Implementation steps, advantages, and disadvantages</p>
Section 7	<p>临床研究设计方法——实验性研究 Clinical study design——experimental epidemiological study</p> <p>7.1 随机对照试验等常见实验性研究的概念、特点、用途 The definition, characteristics, purpose</p> <p>7.2 实验性研究的实施步骤、优缺点等 Implementation steps, advantages, and disadvantages</p>
Section 8	<p>筛检与诊断试验的评价 Screening and diagnostic test assessment</p> <p>8.1 筛检与诊断试验的概念、观察指标 The definition, indicators</p> <p>8.2 筛检与诊断试验的判断标准、评价原则等 The criteria, and the principle of assessments</p>
Section 9	<p>治疗性研究 Therapeutic study</p> <p>9.1 治疗性研究设计与实施 The study design, implementation</p> <p>9.2 治疗性研究的评价原则等 The principle of assessment</p>
Section 10	<p>预后研究 Diagnosis study</p> <p>10.1 预后研究的影响因素、方法、步骤 The impact factors, methods, procedure</p> <p>10.2 预后研究的分析方法、评价等 The analytical methods, and assessment</p>

	Section 11	疾病监测 Surveillance of disease 11.1 疾病监测的概念、各种监测系统的介绍 The definitions, various surveillance systems 11.2 各种疾病监测系统应用 The applications of various surveillance systems
	Section 12	因果关系研究 Causal study 12.1 因果关系的概念、研究方法 The definition and research methods of the causation 12.2 确定因果关联的标准等 The criteria for determining the causation
	Section 13	临床研究资料分析及临床决策分析 Clinical study materials analysis and clinical decision analysis 13.1 临床科研中研究变量的类型、统计方法的选择 The variable categories, the selection 13.2、临床研究资料分析以及临床决策分析方法 The analysis of the statistical methods and clinical decision methods
	Section 14	循证医学与系统综述 Evidence-based medicine and systematic review 14.1 循证医学、系统综述、Meta 分析等相关内容的概念 The definition for evidence-based medicine, systematic review, and Meta-analysis 14.2 基本步骤等 Basic procedures for evidence-based medicine, systematic review, and Meta-analysis
	Section 15	卫生经济学在临床研究中的应用 The applications of health economics in the clinical study 15.1 卫生经济学的概念、常见卫生经济学评价方法的概 The definitions of health economics and the common health economics evaluation methods 15.2 常见卫生经济学评价方法的应用等 The applications of the common health economics evaluation methods
	Section 16	小组讨论&答辩 Group discussion and presentations
13. 课程考核 Course Assessment		
(①考核形式 Form of examination; ②.分数构成 grading policy; ③如面向本科生开放, 请注明区分内容。 If the course is open to undergraduates, please indicate the difference.) 本课程考核方式为考查, 期末考核满分 100 分。主要从出勤 (Attendance): 30%; 课堂表现 (Class Performance): 20%; 平时作业 (Assignments): 20%; 期末报告 (Final Presentation or report): 30% 等几个方面对学生进行考查。		
14. 教材及其它参考资料 Textbook and Supplementary Readings		
1. 临床流行病学 (第五版) 黄悦勤主编 2. 流行病学 (第八版) 沈洪兵、齐秀英主编		