

COURSE NUMBER: VR209		COURSE TITLE: The rise of scientific medicine: a global perspective 全球视野下科学医学之兴起	
CREDIT: 4		PREREQUISITES: Vy100	
TEXTBOOKS/REQUIRED MATERIAL: All reading assignments are in English and some from the internet. Some readings are introductory materials from various web sites. To further readings in depth, refer to Roy Porter ed., 2001, <i>The Cambridge Illustrated History of Medicine</i> , Cambridge, UK: Cambridge University Press F. Gonzalez-Crussi, 2008, <i>Pestilence and Mankind</i> , in: <i>A Short History of Medicine</i> , New York: The Modern Library, pp. 101 – 131 Robert Peckham, 2016, <i>Epidemics in Modern Asia</i> , Cambridge: Cambridge University Press		PREPARED BY: Michael Shiyung Liu DATE OF PREPARATION: 2018/12/10 DATE OF UC APPROVAL: Dec 2018	
INSTRUCTOR(S): Michael Shiyung Liu		SCIENCE/DESIGN:	
CATALOG DESCRIPTION: Students are introduced to the history of scientific medicine ranging from late 19 th century to present. Key figures and events will be discussed under the context of current socio-political and cultural background. Major arguments will be provided to students for the comparison of western-centered interpretation and Asian-originated response. After completing this course students should gain knowledge sufficiently to situate current medical issues in a wider historical perspective.		COURSE TOPICS: <ol style="list-style-type: none"> 1. Making the body modern: physical mechanism 2. The breakthrough of bioscience in late 19th century Europe 3. Germ and bacteriology 4. Colonization and the spread of western medicine 5. Public health: the healthy West vs. filthy East 6. Medical modernization in East Asia: Japan and China 7. The role of colonies to advance medical science: tropical medicine 	
COURSE STRUCTURE/SCHEDULE: Lecture: 3 times per week, 90 minutes each, for 10-week spring term			
COURSE OBJECTIVES [Course Outcomes in brackets]		<ol style="list-style-type: none"> 1. To discuss the problem of cultural and historical relativity of modern medicine (Course outcomes #1, 2) 2. To understand the origins of contemporary biomedical knowledge (Course outcomes #4) 3. To give an overview of the history of major arguments of modern medicine (Course outcomes #2, 4) 4. To situate past and present medical practices in a socio-political, cultural, technological and ethical contexts. (Course outcomes #3, 5) 	
COURSE OUTCOMES [Student Outcomes in brackets]		After completing Vr209, students should be able to: <ol style="list-style-type: none"> 1. Gain fundamental knowledge of modern medicine. 2. Require a general knowledge of globalization of scientific medicine. 3. Demonstrate the ability to sense the inner conflicts between western and eastern medical cultures. (student outcomes #5) 4. Reveal the sensibility to the historical roots of contemporary medical issues. 5. Sympathize the difference of various medical thoughts or philosophies. (student outcomes #7) 	
ASSESSMENT TOOLS [Course Outcomes in brackets]		Midterm short essay 30% [Course Outcomes #1, 2, 3, 4, 5] should be 3-5 pages with double space and will be graded with feedback. Pop quiz 10% [Course Outcome#1, 2, 4, 5] 4-5 times. The form varies in short test or oral reflections to questions. Final paper 30% [Course Outcome#1, 2, 3, 4, 5] should be 3-5 pages with double space. Class attendance and participation 30% [Course Outcome#3, 6] Will be jointly considered and graded with the result of pop-quiz.	