

Department	International College of Liberal Arts		
Semester	Fall 2024	Year Offered (Odd/Even/Every Year)	Every Year
Course Number	HIST/JPNA360		
Course Title	History of Science and Medicine in Japan		
Prerequisites	HIST/JPNA260 Bodies and Cultures in Modern Japanese History		
Course Instructor	LEE, I-Zhuen Clarence	Year Available (Grade Level)	3
Subject Area	Japan Studies: History	Number of Credits	3
Class Style	Lecture	Language of instruction	English

(NOTE 1) Depending on the class size and the capacity of the facility, we may not be able to accommodate all students who wish to register for the course

Course Description	<p>This course explores the history of science and medicine in both premodern and modern Japan. The main aim is to have students historicize and rethink the scientific world view that has come to dominate our contemporary social discourse. Students will first be introduced to aspects of premodern medicine, from the basic principles of classical sinitic medicine (kanpō) and its myriad of traditions, to Buddhist healing techniques for supernatural ailments. They will then think about aspects of popular medicine as well as the diffusion of "specialist" knowledge down to the masses. The course will then move toward exploring the gradual professionalization of medical practice in history, and the eventual intersection between traditional medical knowledge, and modern scientific discourse.</p> <p>An important aspect of the course is the discussion of primary material from various periods of Japanese history. These include court medical texts for pregnancy, Buddhist medical texts for demonic illnesses, Confucian texts on healthy living, guidebooks for times of famine, and others. In addition, we will focus on specific case studies such as the use of hot springs for healing, and the horrific biological experiments on prisoners-of-war during the Second World War.</p>
Class plan based on course evaluation from previous academic year	<p>In response to course evaluations, I have trimmed down the readings to a manageable level. More time will also be spent on teaching students how to write their papers in the course.</p>

Course related to the instructor's practical experience (Summary of experience)	None
Learning Goals	<p>By the end of this course, in addition to being able to situate different aspects of medicine and technology in a historical frame, you should:</p> <ol style="list-style-type: none"> 1) possess a broad understanding of the roles medicine and sciences played in Japan's history 2) be able to rethink the concept of "health" in Japan beyond the framework of "western" biomedicine 3) understand why certain cultural and political practices about health persisted from pre-modern Japan to modern Japan 4) be able to consider how the technologies about medicine have evolved alongside cultural and social perceptions

iCLA Diploma Policy	DP1/DP2/DP3/DP4
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iCLA Diploma Policy

(DP1) To Value Knowledge – Having high oral and written communication skills to be able to both comprehend and transfer knowledge

(DP2) To Be Able to Adapt to a Changing World – Having critical, creative, problem-solving, intercultural skills, global and independent mindset to adopt to a changing world

(DP3) To Believe in Collaboration – Having a disposition to work effectively and inclusively in teams

(DP4) To Act from a Sense of Personal and Social Responsibility – Having good ethical and moral values to make positive impacts in the world

Active Learning Methods	Problem-Based Learning/Flipped Classroom/Discussion, Debate/Group Work/Presentation/Others (Specify in the section below)
More details/supplemental information on Active Learning Methods	Brain storming, Mindmaps, Roleplaying
Use of ICT	Powerpoint, Google Forms, Padlet, Mindmaps, etc.

Contents of class preparation and review	As the readings may touch upon ideas and concepts that are beyond the everyday, students should come to class with questions about the readings. Students should review the ideas from class discussion and mini-lectures after class to ensure that they are keeping up with the class. Considerations should also be given to how the topics of each class relate to one-another	Hours expected to be spent preparing for class (hours per week)	3 hours	Hours expected to be spent on class review (hours per week)	3 hours
Feedback Methods	Regular feedbacks will be given to all assignments/projects/finals in the form of comments. Students may approach the instructor at any point in the course to ask for more individualized feedback.				

Grading Criteria		
Grading Methods	Grading Weights	Grading Content
Participation and Discussion	25%	
Response Papers	20%	
Creative Project	20%	
Final Research Paper	35%	

Required Textbook(s)	All texts and readings will be posted online.
Other Reading Materials/URL	None
Plagiarism Policy	Plagiarism is the dishonest presentation of the work of others as if it were one's own. Duplicate submission is also treated as plagiarism. Depending on the nature of plagiarism committed, you may fail the assignment and/or the course. Repeated acts of plagiarism will be reported to the University, which may result in additional penalties. ChatGPT and other AI tools are not replacements for your original and critical thoughts. The ultimate goal of this course and any tool used to submit your assignments is to enhance your own learning and understanding, not to undermine it. Having AI write your paper therefore constitutes plagiarism, and will result in the failure of the assignment and/or the course.

Other Additional Notes (Outline crucial policies and info not mentioned above)	This is a heavily discussion-based class. Students will therefore be graded daily based on their ability to contribute in a relevant and socially responsible manner. This daily grade will be from 1-5. For more details, please refer to the course rubric.
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(NOTE 2) Class schedule is subject to change

Class Schedule	
Class Number	Content
Class 1	Introduction to the course: Thinking about Medicine and Technology
Class 2	Understanding the Basics of Sinitic Medicine Reading: Paul Unschuld, Traditional Chinese Medicine (Selections)
Class 3	Overview 1: Premodern Medicine, technology and the lifestyles Reading: Selections from Life in Medieval and Early Modern Japan
Class 4	Medicines in the Imperial Court during Classical/Medieval Japan Reading: Anna Andreeva, "Childbirth in Early Medieval Japan: Ritual Economies and Medical Emergencies in Procedures During the Day of the Royal Consort's Labor"
Class 5	Buddhist Medicine and the introduction of tea technologies Reading: Andrew Macomber, "Moxibustion for Demons – Oral Transmission on Corpse-Vector Disease"
Class 6	Warrior Medicine and Treating Wounds during times of warfare Reading: Andrew Goble, "War and Injury: The Emergence of Wound Medicine in Medieval Japan," Monumenta Nipponica 60 (3) (2005): 297-309.

Class 7	<p>Warrior Medicine and Treating Wounds during times of warfare (Part II)</p> <p>Reading: "War and Injury: The Emergence of Wound Medicine in Medieval Japan" (Cont.): 309-326.</p>
Class 8	<p>Overview 2: Early Modern Japanese Medicine</p> <p>Reading: Chapter 3 of Nagayo Takeo's Edo Medical History</p>
Class 9	<p>Tokugawa Neo-Confucian Structure and the discourse on nourishing life</p> <p>Reading: Chapters 1 and Chapters 6 of Kaibara Ekiken's Yōjōkun</p>
Class 10	<p>From New to Old: A Revolution in early modern Japanese Sinitic Medicine</p> <p>Reading: Daniel Trambaiolo, "Ancient Texts, New Medical Ideas"</p>
Class 11	<p>Tokugawa Travel and the rise of hotspring as medicinal hotspots</p> <p>Reading: Suzuki Noriko, "Developments in Balneology in Early Modern Japan and the Transformation of Hot Springs"</p>
Class 12	<p>Sugita Genpaku and the "discovery" of Dutch Medicine</p> <p>Reading: Selections from Rangaku Kotohajime, pp. 1-26</p>
Class 13	<p>Sugita Genpaku and the Discovery of Anatomy</p> <p>Reading: Selections from Rangaku Kotohajime, pp. 50-71.</p>
Class 14	<p>Networks and Science -- The dissemination of medical knowledge and case studies</p> <p>Reading: Terrence Jackson, "Creating Community: The Culture of Early Modern Salons"</p>
Class 15	<p>Edo Medicine in the time of Epidemics</p> <p>Reading: "Methods of Avoiding Epidemic Diseases"</p>

Class 16	Edo period Famines and Medical Interventions Reading: "Treatise on Two Things for the Relief of Famine"
Class 17	Pregnancy and Childbirth in Edo Period Reading: Selections from "The Record of Women's Great Treasures"
Class 18	Questioning "Reality" and the Discovery of "Landscape" Reading: TBA
Class 19	Pharmacology, Names, and Scripts -- the disconnect between reality and language Reading: TBA
Class 20	Overview 3: The Birth of a new (and modern) medical gaze Reading: Selections from Michel Foucault, "The Birth of the Clinic"
Class 21	Germanification of Japanese Medicine and Health systems Reading: Kim Hoi-eun, "Same Bed, Different dreams."
Class 22	The Rise of "Western" Medicine Reading: Christian Oberländer, "The Rise of Western Scientific Medicine in Japan: Bacteriology and Beriberi"
Class 23	The Dawn of Hygienic Modernity Reading: Ruth Rogaski, "Hygienic Modernity: Meanings of Health and Disease in Treaty-Port China" (Selections)
Class 24	Modern Appropriations of Religious Treatments Reading: William D. Johnston, "Buddhism contra cholera - How the Meiji state recruited religion against epidemic disease"

Class 25	<p>Colonial Japan and Public Health</p> <p>Reading: Robert John Perrins, "Doctors, Disease, and Development: Engineering Colonial Public Health in Southern Manchuria, 1905-1926"</p>
Class 26	<p>Kanpō Medicine in Sino-Japanese Wartime</p> <p>Reading: Norihito Mizuno, "Kanpō in wartime Sino-Japanese relations: the Association of East Asian Medicine and the search for a tripartite medical partnership"</p>
Class 27	<p>War Crimes and Medical Experiments</p> <p>Reading: Yuki Tanaka, "Japanese Biological Warfare Plans and Experiments on POWs"</p>
Class 28	<p>Postwar Population and the Science of Birth Control</p> <p>Reading: Aya Homei, "The science of population and birth control in post-war Japan"</p>
Class 29	Student Presentations
Class 30	Student Presentations and Final Review