

Department	International College of Liberal Arts		
Semester	Fall 2023	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	Class Methods	Face to face

(NOTE 1) Class Methods are subject to change

(NOTE 2) 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 (kanpo) 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	N/A
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	Flipping the Classroom, Group Discussion, Mini-Presentations, etc.
Use of ICT in Class	Google Docs, Padlet, etc.
Use of ICT outside Class	None
Expected study hours outside class	Students are expected to complete the readings before class (which are usually of realistic length) while thinking about the study questions. They should expect to spend 2 hours per class session. All readings will be in English.
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	20%	
Four Response Papers	20%	
Creative Project	20%	
Final Research Paper	40%	

Required Textbook(s)	All texts and readings will be posted online.
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Other Reading Materials/URL	None
Plagiarism Policy	<p>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.</p> <p>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.</p>
Other Additional Notes	<p>This course meets twice a week. Students are expected to attend every session punctually. Screenings and reading assignments must be completed prior to class. Doing so will ensure that you are well equipped for discussion and participation. As students also know, according to YGU/iCLA regulations, students who fail to attend a third of the course will lose the eligibility to be evaluated, and will not earn any credits for the course.</p> <p>Please refer to the YGU student handbook for university policies.</p>

(NOTE 3) 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: TBA
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	Warrior Medicine and Treating Wounds during times of warfare (Part II) Reading: "War and Injury: The Emergence of Wound Medicine in Medieval Japan" (Cont.): 309-326.

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>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 11	<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 12	<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 13	<p>Sugita Genpaku and the "discovery" of Dutch Medicine</p> <p>Reading: Selections from Rangaku Kotohajime, pp. 1-26</p>
Class 14	<p>Sugita Genpaku and the Discovery of Anatomy</p> <p>Reading: Selections from Rangaku Kotohajime, pp. 50-71.</p>
Class 15	<p>Edo Medicine in the time of Epidemics</p> <p>Reading: "Methods of Avoiding Epidemic Diseases"</p>
Class 16	<p>Edo period Famines and Medical Interventions</p> <p>Reading: "Treatise on Two Things for the Relief of Famine"</p>
Class 17	<p>Pregnancy and Childbirth in Edo Period</p> <p>Reading: Selections from "The Record of Women's Great Treasures"</p>
Class 18	<p>Questioning "Reality" and the Discovery of "Landscape"</p> <p>Reading: Maki Fukuoka, "The Eye of the Shōhyaku-sha: Between Seeing and Knowing"</p>
Class 19	<p>Pharmacology, Names, and Scripts -- the disconnect between reality and language</p> <p>Reading: Maki Fukuoka, "Ways of Conceptualizing the Real"</p>
Class 20	<p>Overview 3: The Birth of a new (and modern) medical gaze</p> <p>Reading: Selections from Michel Foucault, "The Birth of the Clinic"</p>

Class 21	<p>Germanification of Japanese Medicine and Health systems</p> <p>Reading: Kim Hoi-eun, "Same Bed, Different dreams."</p>
Class 22	<p>The Rise of "Western" Medicine</p> <p>Reading: Christian Oberländer, "The Rise of Western Scientific Medicine in Japan: Bacteriology and Beriberi"</p>
Class 23	<p>The Dawn of Hygienic Modernity</p> <p>Reading: Ruth Rogaski, "Introduction" from "Hygienic Modernity: Meanings of Health and Disease in Treaty-Port China"</p>
Class 24	<p>Modern Appropriations of Religious Treatments</p> <p>Reading: William D. Johnston, "Buddhism contra cholera - How the Meiji state recruited religion against epidemic disease"</p>
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, "Kampō 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	<p>Student Presentations</p>
Class 30	<p>Student Presentations and Final Review</p>