

Course Title	From Edo to Tokyo: The Cultural History and Modernization of the Japanese Capital (1590-2022)			Course Number	V5245	Credit	2
Instructor	Takako SUZUKI	2nd Semester	Fri	3rd	Minami Osawa		
Key words	Japan, Japanese culture, sociology, socialization, globalization						
Course Description / Theme	Tokyo has become a cosmopolitan city today. It is difficult to imagine how life was 150 years ago. Ever since the Meiji Restoration in 1868, Japan underwent a drastic change of modernization and industrialization. Skyscrapers and automobiles dominate the landscape. It is also true that traditional Japanese culture still resides in daily customs and lifestyle. How was it like to be a student 150 years ago? Was it convenient to live in the neighborhood of Minami-Osawa campus? What did people eat for lunch? How many days did it take to travel from Tokyo to Kyoto? This class will focus on the historical background of Tokyo and analyze how cultural values and society had changed in the process of modernization. In general, this course will discuss Japanese history, philosophy and cultural issues from the late seventeenth century to the twentieth century. Ever since the days of the samurai, Tokyo was a megalopolis. Traces of the old castle town can be found in various places.						
Knowledge & Abilities students can acquire through the class Course objectives	Students will learn Japanese history from the seventeenth century to present. Through class discussions students will focus and analyze the influence of modernization from their own interests. They will understand the historical context of Japanese culture and evaluate issues from a broad perspective. Finally, to learn more about Tokyo and enjoy your stay!						
Course Schedule, Contents	1 Introduction: A comparison between medieval and early modern Japanese cities Kamakura and Edo 2 Transformation of samurai mentality: The warrior code and modernization 3 Education and schooling in early modern Japan: Domain schools and private academies 4 Imperial Universities and Higher education: Sending students abroad and hired foreigners 'Oyatoi gaikokujin' *Paper one due* Education and Modernization 5 Japanese cuisine 1 Traditional seasonings and noodles 6 Japanese cuisine 2 Traditional sweets and the Tea ceremony 7 Gardens, botany and horticulture: Bonsai art and 8 Pets, Livestock and Animal worship *Paper two due* Traditional lifestyle a topic of your choice 9 Pilgrimage, sight seeing and travel in early modern Japan 10 Railroads and Subway lines (1872-1927) 11 Urban infrastructure and public hygiene: the Tamagawa waterway and sewage system 12 Second hand kimono shops and recycling industry in Edo: Early modern sharing economy 13 The Universal Exhibition, museums, zoos and art museums 14 Urban culture and the theater: kabuki, rakugo, bunraku and wood block prints 15 Final Day Final presentation discussion and summary of class *Final paper due *						
Instruction Methods	Class lectures and group discussions in class. Reading material for further learning will be provided. Two short essays (50 to 100 words), and a final presentation and paper is scheduled.						
Learning Activities outside the Classroom	I will mention historical sites and museums in class. Every site will be in the vicinity of Minami-Osawa station; within a two hours train ride. I might plan a field trip for the class.						
Textbooks and/or References	Textbooks and Reference works Handouts and powerpoint slides reading assignments will be provided in class. According to the student's interests, additional sources will be provided if necessary.						

	<p>Andrew Gordon, A Modern History of Japan, Oxford university press, n2003.</p> <p>Donald Shivery ed. Tradition and Modernization in Japanese Culture, Princeton University press, 1971.</p> <p>Eric Hobsbawm and Ternece Ranger eds. The Invention of Tradition , Cambridge University press, 1983.</p> <p>Kenneth G. Henshall, A history of Japan: From Stone age to Super Power. Palgrave Macmillan, 2012.</p> <p>Louis G. Perez, The History of Japan, Greenwood Press, 2009.</p> <p>Marius B. Jansen, The Making of Modern Japan, The Belknap Press of Harvard University Press. 2003.</p> <p>Patricia Buckley Ebrey, Anne Walthall, James B. Palais eds. East Asia: A Cultural, Social, and Political History, Houghton and Mifflin Company, 2006.</p> <p>W.G. Beasley, The Japanese Experience A short History of Japan, Iniversity of California Press, 2000.</p>
Grading Evaluation Policy	<p>Participation 10% (Attendance, participation, discussion in group works)</p> <p>Two one page paper 40% (20% each)</p> <p>2,000 word final paper 50% (presentation 20% final paper 40%)</p> <p>*Topics for in-class discussion and one page paper will be announced a week in advance.</p> <p>For your final paper, students will be required to select a topic discussed in class, write a report on the influence of modernization in Japan. Your oral presentation should be the basis of your conclusion.</p>
How to contact the instructor for questions	<p>Questions are always welcome in class. You can reach me by the kibaco system.</p>
Notice for Students	<p>I am planning to approach the history of Tokyo from various angles. I will discuss about environmental issues, traditional urban planning and disaster prevention of the Edo period. Everybody interested in making history, you are welcome.</p>

Course Title	Introduction to Artificial Intelligence			Course Number	V5243	Credit	2
Instructor	Wei Hong Chin Naoyuki Kubota	2nd Semester	Wednesday	1 <sup>st</sup> Period	Hino Campus (Room4-301)		
Key words	Artificial Intelligence, Machine Learning						
Course Description / Theme	This course will introduce the basic ideas and techniques underlying the design of intelligent computer systems. A specific emphasis will be on the machine learning, statistical, and decision-theoretic modeling paradigm.						
Knowledge & Abilities students can acquire through the class Course objectives	By the end of this course, students will understand the basis of autonomous agents that efficiently make decisions in fully informed, partially observable and adversarial settings. The techniques students learn in this course are applied to a wide variety of artificial intelligence problems and will serve as the foundation for further study in any application area students choose to pursue.						
Course Schedule, Contents	Week 1: Introduction to AI Week 2: Search I Week 3: Search II Week 4: Introduction to Machine Learning I Week 5: Introduction to Machine Learning II Week 6: Supervised Learning - Classification Week 7: Midterm Test Week 8: Perceptrons and Neural Networks Week 9: Optimization and Neural Networks Week 10: Apply Machine Learning Week 11: Decision Trees Week 12: Unsupervised Learning Week 13: Reinforcement Learning I Week 14: Reinforcement Learning II Week 15: Final Examination						
Instruction Methods	The lectures note will be provided in PDF format						
Learning Activities outside the Classroom	Students will learn how to build AI models with python programming for solving different tasks. Homework and quiz will be given and discussed.						
Textbooks and/or References	Russell & Norvig, Artificial Intelligence: A Modern Approach, 3rd Ed. 2009.						
Grading Evaluation Policy	Attendance 30%, Midterm report 30%, Final Examination 40%						
How to contact the instructor for questions	Wei Hong Chin: 1-259, Hino Campus, Phone & Fax: 042-585-8441 Naoyuki Kubota: 1-259, Hino Campus, Phone & Fax: 042-585-8441 Email: <a href="mailto:weihong@tmu.ac.jp">weihong@tmu.ac.jp</a> , <a href="mailto:kubota@tmu.ac.jp">kubota@tmu.ac.jp</a> URL: <a href="http://www.sd.tmu.ac.jp/kubota-lab/">http://www.sd.tmu.ac.jp/kubota-lab/</a>						
Notice for Students	No prior AI knowledge and programming students are welcome. This course only deals with some basic mathematics.						

Course Title	Introduction to Robotics			Course Number	V5126	Credit	2
Instructor	Azhar Aulia Saputra Naoyuki Kubota	2 <sup>nd</sup> Semester	Wednesday	2 <sup>nd</sup> Period	Hino Campus (room 4-301)		
Key words	Robotics, Control System, Kinematics						
Course Description / Theme	This course will introduce the basic ideas and techniques underlying the design of robotic systems. This course has some benefit for any student interested in Robotic Field, Integration with AI, and designing the robotics systems						
Knowledge & Abilities students can acquire through the class Course objectives	By the end of this course, students will understand the basic of robotics, sensor, and actuator, how to implement a mathematical model in robot, how to design the robot, to build trajectory planning for robot.						
Course Schedule, Contents	Week 1: Introduction to Robotics Week 2: Mathematical Basics Week 3: Transformation Week 4: Forward kinematics Week 5: Inverse kinematics I Week 6: Inverse kinematics II Week 7: Velocities and static force Week 8: Midterm Test Week 9: Sensors and Actuator Week 10: Practice: control motor Week 11: Practice: Building arm robot Week 12: Practice: Control arm robot Week 13: Practice: Building legged robot Week 14: Practice: Control legged robot Week 15: Final Examination						
Instruction Methods	The lectures note will be provided in PDF format and computer application						
Learning Activities outside the Classroom	Students will learn how to build a robotic system. Homework and quiz will be given and discussed.						
Textbooks and/or References							
Grading Evaluation Policy	Attendance 30%, Midterm report 30%, Final Examination 40%						
How to contact the instructor for questions	Azhar Aulia Saputra: 1-259, Hino Campus, Phone & Fax: 042-585-8441 Naoyuki Kubota: 1-259, Hino Campus, Phone & Fax: 042-585-8441 Email: <a href="mailto:aa.saputra@tmu.ac.jp">aa.saputra@tmu.ac.jp</a> , <a href="mailto:kubota@tmu.ac.jp">kubota@tmu.ac.jp</a> URL: <a href="http://www.sd.tmu.ac.jp/kubota-lab/">http://www.sd.tmu.ac.jp/kubota-lab/</a>						
Notice for Students	No prior AI knowledge students are welcome. This course only deals with some basic mathematics.						

Course Title	Introduction to Japanese Studies			Course Number	V5237	Credit	2
Instructor	Lidia SASAKI, Daisuke ITO	2nd Semester	Thursday	2nd period	Minami Osawa Campus		
Key words	Japanese culture and civilization, Edo, Japanese food culture, traditional flower arrangement, fieldwork						
Course Description / Theme	In this course, students will have opportunities to explore some exclusive aspects of Japan and Tokyo from an academic perspective. Theoretical knowledge gains additional depth during the fieldwork activities.						
Knowledge & Abilities students can acquire through the class Course objectives	<p>Through this course, students will learn and acquire:</p> <ul style="list-style-type: none"> <li>• Introductory knowledge of unique aspects of Japan's / Tokyo's natural environment, history, society, culture or technology.</li> <li>• Deep insights and comprehensive understanding of some aspects of Japanese culture.</li> </ul> <p>The course offers students the opportunity to experience some related activities during fieldwork.</p>						
Course Schedule, Contents	<ol style="list-style-type: none"> <li>1. Guidance</li> <li>2. Issue 1 Edo: sustainable urban planning Lecture</li> <li>3. Issue 1 Edo: sustainable urban planning Fieldwork</li> <li>4. Issue 2 Japanese food culture Lecture</li> <li>5. Issue 2 Japanese food culture Fieldwork</li> <li>6. Issue 3 Traditional flower arrangement Ikebana Lecture</li> <li>7. Issue 3 Traditional flower arrangement Ikebana Fieldwork</li> <li>8. Student presentations (1)</li> <li>9. Student presentations (2)</li> <li>10. Student presentations (3), conclusions</li> </ol>						
Instruction Methods	<p>Each topic contains three components:</p> <ol style="list-style-type: none"> <li>1. Lecture by a faculty member or an expert provides basic knowledge on the topic.</li> <li>2. Fieldwork: we visit places relevant to the topic in order to understand the situation in the field. Depending on the topic, students will conduct some research activities such as interviews or observation.</li> <li>3. Presentation and report</li> </ol> <p>Based on the lecture and fieldwork, students submit a report and give a presentation.</p>						
Learning Activities outside the Classroom	<p>Students are required to read the assigned texts to prepare for classes and fieldwork, to submit reports for each topic and give a presentation.</p> <p>Please note that lectures and presentations are held on Thursday 2nd period, and fieldwork on Saturday, Sunday, or no-class day (field work is an integral part of the course).</p> <p>The detailed schedule will be provided at the introductory session.</p>						
Textbooks and/or References	References and reading materials will be provided in class.						
Grading Evaluation Policy	<p>Comprehensive evaluation based on:</p> <ul style="list-style-type: none"> <li>• Attendance and contribution to class: 20%</li> <li>• Presentation: 40%</li> <li>• Report: 40%</li> </ul>						
How to contact the instructor for questions	<p>e-mail Dr. SASAKI: <a href="mailto:lisasaki@tmu.ac.jp">lisasaki@tmu.ac.jp</a>  office hours: Thursday 13:00-14:30</p>						
Notice for Students	<p>For detailed instructions, students must attend the introductory session.</p> <p>The details of the lectures and fieldwork are subject to change depending on the number of participants. Participants bear the cost of fieldwork, such as transportation, admission tickets, etc.</p>						

Course Title	SDGs: Solutions to Environmental Challenges			Course Number	V5255	Credit	2
Instructor	Lidia SASAKI	2nd Semester	Tuesday	3 <sup>rd</sup> period	Minami Osawa Campus		
Key words	United Nations' SDGs, global environmental issues, global environmental governance, solutions, documentary films						
Course Description / Theme	The course introduces some of the major global environmental issues confronting humanity in the 21 <sup>st</sup> century, using recent documentary films. It focuses on global environmental governance and some of the solutions proposed in the framework of United Nations' SDGs.						
Knowledge & Abilities students can acquire through the class Course objectives	<p>The course aims to provide knowledge of major environmental issues and global environmental governance but also to raise students' awareness of these issues and of the need to contribute as global citizens to international efforts for accomplishing the UN's SDGs.</p> <p>In an interactive format, students have the opportunity discuss the issues, share information and opinions and compare the situation in their respective home countries, and consider potential solutions in line with the SDGs.</p>						
Course Schedule, Contents	<ol style="list-style-type: none"> <li>1. Guidance</li> <li>2. Issue 1 Global Climate Change: documentary</li> <li>3. Issue 1 Global Climate Change: class discussion</li> <li>4. Issue 2 Water issues: documentary</li> <li>5. Issue 2 Water issues: class discussion</li> <li>6. <b>Student presentations (1)</b></li> <li>7. Issue 3 Fishing resources: documentary</li> <li>8. Issue 3 Fishing resources: class discussion</li> <li>9. Issue 4 Plastic pollution: documentary</li> <li>10. Issue 4 Plastic pollution: class discussion</li> <li>11. <b>Student presentations (2)</b></li> <li>12. Issue 5 Biodiversity loss: documentary</li> <li>13. Issue 5 Biodiversity loss: class discussion</li> <li>14. Global environmental governance and UN's SDGs</li> <li>15. <b>Student presentations (3), Conclusions</b></li> </ol>						
Instruction Methods	For each issue, in the introductory session students watch a recent documentary film; in the second session, students discuss the issue, compare the situation in their home countries, identify and discuss the pros and cons of various solutions proposed, in line with UN's SDGs.						
Learning Activities outside the Classroom	<p>Prepare in advance for each topic (for each topic, they submit a short research note on the situation in their home country)</p> <p>Participate in group discussion, share knowledge/information, exchange opinions.</p> <p>Prepare and deliver a presentation on a topic of their choice from among those introduced in class. Submit a term paper on a topic of their choice (in-depth analysis of the topic treated in the presentation)</p>						
Textbooks and/or References	Recommended during class.						
Grading Evaluation Policy	<p>Comprehensive evaluation based on:</p> <ul style="list-style-type: none"> <li>• Attendance and contribution to class: 20%</li> <li>• Presentation: 40%</li> <li>• Report: 40%</li> </ul>						
How to contact the instructor for questions	<p>e-mail Dr. SASAKI: <a href="mailto:lisasaki@tmu.ac.jp">lisasaki@tmu.ac.jp</a></p> <p>Office hours: Thursday 13:00-14:30 (by appointment)</p>						
Notice for Students							

Course Title	Japanese Language, Culture, and Society			Course Number	V5101	Credit	2
Instructor	Daisuke ITO	2nd Semester	Tuesday	3rd	Minami Osawa		
Key words	Japan, Japanese culture, sociology, socialization, globalization						
Course Description / Theme	This course examines Japanese culture and society by paying special attention to Japanese words and phrases. Using a sociological perspective, this course 1) develops better understanding of Japanese culture and society, 2) assists to grasp the relationships between Japanese words and phrases and their cultural/social implications, 3) develops cultural sensitivity through cross-cultural/national comparisons and 4) improves critical thinking skills.						
Knowledge & Abilities students can acquire through the class Course objectives	<p>Once you successfully complete this course, you should be able to demonstrate</p> <ul style="list-style-type: none"> <li>• a better understanding of Japanese culture and society,</li> <li>• how Japanese culture and society are reflected in Japanese words and phrases</li> <li>• your sensitivity to cultural differences, and</li> <li>• critical thinking skills through writing.</li> </ul>						
Course Schedule, Contents	<ol style="list-style-type: none"> <li>1 Introduction: What is Sociology? What is Culture?</li> <li>2 In-group and Out-group 1: Collectivism and Individualism</li> <li>3 In-group and Out-group 2: Thinking Differently</li> <li>4 In-group and Out-group 3: Uchi, Soto, and Yoso</li> <li>5 Gift-giving and Giri</li> <li>6 How to Write a Research Paper</li> <li>7 Socialization</li> <li>8 Learning to be Japanese (Pre-k/Kindergarten)</li> <li>9 Learning to be Adolescent</li> <li>10 Seniority (Club Activities)</li> <li>11 Perfectly Japanese (Family)</li> <li>12 Fathers and Mothers</li> <li>13 Work</li> <li>14 Final Paper Presentation 1</li> <li>15 Final Paper Presentation 2</li> </ol>						
Instruction Methods	Each class will consist of students' presentations, lectures by the instructor, and discussions.						
Learning Activities outside the Classroom	Students are expected to read assigned articles prior to class. Each article will be 10-30 pages in length. How long it takes to complete the assigned readings will depend on each student's reading speed, but it would take approximately 60 minutes. Students should spend approximately 90 minutes to review the materials after class.						
Textbooks and/or References	<p>The Japanese Mind: Understanding Contemporary Japanese Culture (ISBN: 0804832951)</p> <p>Other readings will be distributed in class.</p>						
Grading Evaluation Policy	<p>In-class Activities &amp; Attendance (including a presentation) 40%</p> <p>Outline of Final Paper 5%</p> <p>Final paper 40%</p> <p>Final paper Presentation 15%</p>						
How to contact the instructor for questions	Office Hours: Mondays 12:00-12:30 and by appointment						
Notice for Students	All instructions are conducted in English.						