

## **ILAS Course Catalog #2**

# **Recommended Courses for KUINEP Students & Additional Liberal Arts and Sciences Courses**

Fall 2025

Kyoto University

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## **Recommended Courses for KUINEP Students**

**Lecture code: HB02001**

Course number		U-LAS07 10002 LE31			
Course title (and course title in English)		Culture and Traditions in Japan II Culture and Traditions in Japan II		Instructor's name, job title, and department of affiliation  Institute for Liberal Arts and Sciences Associate Professor, YUKAWA SHIKIKO	
Group	Humanities and Social Sciences		Field(Classification)		Understanding Japan
Language of instruction	English		Old group	Group A	Number of credits 2
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters 2025・Second semester
Days and periods	Mon.5		Target year	All students	Eligible students International students
[Overview and purpose of the course]					
年中行事、食文化、日本人の美的嗜好、信仰、結婚や家族、職、日本人のコミュニケーションスタイルなど、様々な側面から日本の文化や伝統、またその歴史的変遷について考察していく。					
We will explore Japanese culture and its traditions from classical to modern times from a variety of angles: Japanese annual traditions, food culture, aesthetic tastes, religion, marriage/family, work and communication styles, to name a few.					
[Course objectives]					
日本への関心を広げ、そして深めること。日本の文化と自国の文化とを比較し、その共通点と相違点を見出し、より深く理解できるようになること。					
The primary goal of this class is for students to explore and deepen their understanding of Japan, its culture and its people. Students should also take the opportunity to compare Japanese culture with their own in order to identify and gain a better understanding of points of similarity and difference between the two.					
[Course schedule and contents]					
授業は 1) 以下のテーマに基づく講義および、 2) 受講生によるグループ発表によって行われる。講義の内容・順番は授業の進みぐあいを見て変更することがある。学期末には期末試験を行う。					
1) 第1回目～第11回目《講義》 第1～2回目： 日本の食文化と生活様式の変化、日本の年中行事・儀礼 第3～4回目： 日本人の美意識 第5～6回目： 日本人とのコミュニケーション、日本人の価値観・思考パターン 第7～9回目： 日本の婚姻制度と家族 戦前と戦後、グループ発表の準備 第10～11回目： 日本人と仕事、グループ発表の準備					
2) 第12～14回目《グループ発表》 最後の3回の授業では、日本の文化や社会の中で関心を持っているトピックについて、3～4人からなるグループ発表を英語で行う。発表の具体的な日程や要領については、初回の授業で説明する。					
・ 期末試験 ・ フィードバックの回（日時は後日通知する）					
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Continue to Culture and Traditions in Japan II(2)					

<b>Culture and Traditions in Japan II(2)</b>					
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Classes will consist of 1) lectures on the following topics, and 2) group presentations to be given by the students. The order and/or content of the lectures are subject to revision as needed. A final exam will be given at the end of the semester.					
1 ) 《Lectures》 1st ~ 11th classes 1st ~ 2nd classes: Orientation/ Changing tastes and lifestyles in Japan/ Annual traditions and rituals 3rd ~ 4th classes: The aesthetic sensitivities of the Japanese 5th ~ 6th classes: Communicating with the Japanese/ Japanese attitudes and values/ Japanese thinking patterns 7th ~ 9th classes: Marriage in Japan and the Japanese family pre and post WWII / Preparing for the group presentations 10th ~ 11th classes: The Japanese and work/ Preparing for the group presentations  2 ) 《Group presentations》 12th ~ 14th classes The last three classes will be used for the students ' group presentations (3-4 members per group). The presentations will be conducted in English on an aspect of Japanese culture or society (past or present) of the group ' s choice. Details of the presentation schedule and guidelines will be explained during the first class.  ・ Final exam ・ Feedback class (specific date and time to be announced)					
<b>[Course requirements]</b>					
初回の授業からすべて参加すること。学期末に行われる発表は全員必須。講義はすべてナチュラルスピードの英語で行われる。本授業を受講する学生は十分な英語による聞き取り能力、またクラスへの積極的な参加が求められる。 Be sure to attend all of the classes from day one. The final presentation is required of all students taking this course. The instructor's lectures will be given in English at natural speed. Students taking this course are expected to be able to follow the lectures and take an active part in the class.					
<b>[Evaluation methods and policy]</b>					
成績判定は以下によって行う。 (1) 期末試験（40%） (2) 発表（40%） (3) グループ発表の質疑応答への参加度合い（20%） ・（2）の発表はグループ発表とするが、各学生の担当部分と貢献度によって各々の評価を行う。 ・なお、（3）の評価は、グループ発表後に提出してもらう「質問・コメントシート」の内容によって行う。  The student's final grade will be based on the following. (1) Final exam (40%) (2) Presentation (40%) (3) Contribution to Q&A sessions following the group presentations (20%) ・ Although the presentation listed in (2) is a group presentation, each student will be evaluated individually based on his/her part of the presentation and contribution to the group effort. ・ The evaluation for (3) will be made based on the content of the “ Question/Comment Sheets ” to be submitted by the students after the group presentations.					
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Continue to Culture and Traditions in Japan II(3)					

Culture and Traditions in Japan II(3)
<b>[Textbooks]</b>
授業中に資料を配布する。 Handouts will be provided in class.
<b>[References, etc.]</b>
<p>( <b>Reference book</b> )</p> <p>1) Varley, Paul, Japanese Culture: Fourth Edition, University of Hawai'i Press, 2000.  2) Hendry, Joy, Understanding Japanese Society, Fourth edition, Routledge, 2013.  3) Sugimoto, Yoshio, An Introduction to Japanese Society, Second edition, Cambridge University Press, 2003.  4) Davies, Roger J. and Ikeno, Osamu (editors), The Japanese Mind: Understanding Contemporary Japanese Culture, Tuttle Publishing, 2002.  5) Martinez, D. P. (editor), Modern Japanese Culture and Society, Volumes I-IV, Routledge Library of Modern Japan, 2007.</p>
<b>[Study outside of class (preparation and review)]</b>
<p>グループ発表では、グループのメンバーと協力し、各自責任をもって必要な準備・練習を行うこと。</p> <p>For the group presentations, students are expected to cooperate with the members of their group and to do their fair share in preparing for and rehearsing their presentation.</p>
<b>[Other information (office hours, etc.)]</b>
<p>オフィスアワーの場所・時間はKULASISで確認してください。</p> <p>For my office hour location/times, please check KULASIS.</p>

**Lecture code: HB02002**

Course number		U-LAS07 10002 LE31				
Course title (and course title in English)		Culture and Traditions in Japan II Culture and Traditions in Japan II		Instructor's name, job title, and department of affiliation	Institute for Liberal Arts and Sciences Associate Professor,AKUZAWA KOYO	
Group	Humanities and Social Sciences		Field(Classification)	Understanding Japan		
Language of instruction	English		Old group	Group A	Number of credits	2
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters	2025・Second semester
Days and periods	Tue.5		Target year	All students	Eligible students	International students
[Overview and purpose of the course]						
This class will overview modern Japanese history, and explore several classic and prototypical topics related to the current Japanese society, incorporating their historical aspects. The topics include World War II, discrimination, economic/political issues, and pop culture.						
[Course objectives]						
The primary goal of this class is for students to deepen their understanding of Japan by obtaining fundamental knowledge of modern Japanese history. Moreover, students are expected to gain an analytical perspective on the history and culture of their own country and region.						
[Course schedule and contents]						
The class is divided into three parts: 1) lectures on the modern history of Japan (weeks 1-5), 2) lectures on selected topics (weeks 6-11), and 3) group presentations to be given by the students (weeks 12-14).						
Week 1: Pre-modern history, the last days of the Tokugawa Shogunate Week 2: Meiji and Taisho period Week 3: Prewar Japan Week 4: Postwar Japan Week 5: From Heisei to present-day Japan Week 6: World War II and Japan Week 7: Discrimination in Japanese society Week 8: Economic issues of Japan Week 9: Political issues in Japan Week 10: Changes in youth culture Week 11: History of Manga and Anime Week 12: Group presentation Week 13: Group presentation Week 14: Group presentation Final exam Week 16: Feedback						
The schedule is subject to change according to the class's progress and students' requests.						
----- Continue to Culture and Traditions in Japan II(2)						

<b>Culture and Traditions in Japan II(2)</b>
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<b>[Course requirements]</b>
This class is limited to international students. There are no prerequisites, but it is preferable for students to be interested in developing their insight into Japan independently based on what they learn during the class.
<b>[Evaluation methods and policy]</b>
In-class participation: 30% Group presentation: 30% Final exam: 40%
<b>[Textbooks]</b>
Handouts will be provided.
<b>[References, etc.]</b>
<b>( Reference book )</b> Gordon, Andrew 『A Morden History of Japan: From Tokugawa Times to the Present』 ( Oxford University Press, 2003 ) Reischauer, Edwin O. 『Japan: The Story of a Nation, Fourth Edition』 ( Tuttle Publishing, 2004 ) Any other reference materials will be introduced during the lesson if necessary.
<b>[Study outside of class (preparation and review)]</b>
Participants are required to work together with other participants to prepare a group presentation on a selected topic about Japanese culture and tradition.
<b>[Other information (office hours, etc.)]</b>
Please check my office hours, location, and availability on KULASIS. Please make an appointment beforehand by e-mail. My e-mail address will be provided during the first lesson.

**Lecture code: HB04002**

Course number		U-LAS07 10004 LE31				
Course title (and course title in English)		Current Issues in Japan II Current Issues in Japan II		Instructor's name, job title, and department of affiliation	Part-time Lecturer,SAKODA SAYAKA	
Group	Humanities and Social Sciences		Field(Classification)	Understanding Japan		
Language of instruction	English		Old group	Group A	Number of credits	2
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters	2025・Second semester
Days and periods	Thu.3		Target year	All students	Eligible students	International students
[Overview and purpose of the course]						
<p>The primary purpose of this class is to deepen our understanding of a variety of issues in Japan. Japan is the world ' s third-largest economy and can be categorized as one of the world's most prosperous nations. However, there are many seemingly intractable challenges that the country and people are facing. Throughout this class, we will cover a wide variety of these issues that Japan is currently facing. During this course, participants will learn about the low birth rate, the aging society, marriage, divorce, gender, economic inequality, labour issues, poverty, Hikikomori, discrimination social exclusion, medical services, and other aspects of the country.</p> <p>The course consists of lecture-based instruction followed by guided discussion and short and final essay. At the end of each class, students are expected to discuss the lecture topics and consider policies.</p>						
[Course objectives]						
<p>The primary goal of this class is that the students could deepen their understanding as followings:</p> <p>1. Based on statistical data and official documents, analyzing the social issues in current Japan by using the methods of economics and sociology.</p> <p>2. Comparing Japanese society's characteristics and social problems in modern Japan with those of other countries.</p>						
[Course schedule and contents]]						
<p>The tentative schedule is as follows. However, it may be changed according to the progress of the class and requests by students.</p> <p>Population Issues</p> <p>Week 1) Introduction</p> <p>Week 2) The Population Pyramid and its Transition</p> <p>Week 3) Institutional Design for Low Fertility and Aging Society</p> <p>Week 4) Marriage and Non-marriage.</p> <p>Gender Issues</p> <p>Week 5) History of Women's Empowerment in Society</p> <p>Week 6) Division of Labor in the Household: Comparison with other countries</p> <p>Week 7) Gender Consciousness and Marriage</p> <p>Week 8) Divorce/Sexual Infidelity Behavior Economic Disparities</p> <p>Week 9) Japan's Economic Disparities (1)</p> <p>Week 10) Japan's Economic Disparities (2)</p> <p>Week 11) Economic Efficiency and Income Redistribution Policies</p>						
----- Continue to Current Issues in Japan II(2) -----						

<b>Current Issues in Japan II(2)</b>
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<p>Week 12) How to write an academic essay: for non-social science students</p> <p>Labour Issues and Poverty</p> <p>Week 13) Labour patterns in Japan (non-regular employment, freeters, and NEETs) and its problems</p> <p>Week 14) Social Exclusion, Hikikomori, Discrimination</p> <p>Feedback</p>
<b>[Course requirements]</b>
This class is limited to international students. No prerequisites are required. It would be appreciated if you are interested in and committed to learning about Japan's current issues and comparing them with those of the mother country.
<b>[Evaluation methods and policy]</b>
attendance and participation:30%, Final essay:70%
<b>[Textbooks]</b>
Handouts will be distributed at each class.
<b>[Study outside of class (preparation and review)]</b>
Review the contents of the lectures and prepare for the essay
<b>[Other information (office hours, etc.)]</b>
No specific date and time. Please make an appointment by e-mail.

## **Additional Liberal Arts and Sciences Courses**



**Lecture code: W607002**

Course number		U-LAS54 10007 SB47			
Course title (and course title in English)		日本語・日本文化演習 Japanese Language & Culture		Instructor's name, job title, and department of affiliation	Institute for Liberal Arts and Sciences Professor,KAWAI JUNKO Institute for Liberal Arts and Sciences Associate Professor,HAN LIYOU
Group	Career Development		Field(Classification)	Other Career Development Courses	
Language of instruction	Japanese and English		Old group		Number of credits 2
Number of weekly time blocks	1	Class style	Seminar (Face-to-face course)		Year/semesters 2025・Second semester
Days and periods	Tue.2		Target year	All students	Eligible students For all majors
[Overview and purpose of the course]					
<p>本授業では、まず講義で日本語や日本文化の特徴、およびその様々な検討方法を学ぶ。その際、日本文化を広義に定義し、その範囲に日本社会の状況、社会問題をも含んで講義を進めていく。</p> <p>そして、日本語、日本文化、日本の社会状況を紹介する経験とその準備を通して、日本人学生と留学生が共に、日本語、日本文化、社会状況ならびに自分自身が身につけてきた言語や文化、そして自分自身が育ってきた社会の特徴を再発見することを目指す。そして、その過程を通じて、グローバルな視野に立った物の見方・考え方を養うことを目的とする。</p> <p>In this class, both Japanese and international students will be introduced to and exchange views on Japanese language and cultures. We define culture broadly in this class to include social conditions and problems in Japanese society.</p> <p>Learning about Japanese culture together will allow students of all backgrounds to rediscover their own cultures and develop new perspectives regarding languages, cultures and social conditions in today's global contexts.</p>					
[Course objectives]					
<p>・日本語、日本文化、日本の社会状況ならびに自分自身が身につけてきた言語、文化を捉える多様な視点を学ぶこと。</p> <p>・日本語、日本文化、日本の社会状況を紹介し、異なる文化的背景を持つ学生間で議論を行うことによってグローバルな視野に立った物の見方・考え方を身につけること。</p> <p>・母語とは異なる言語による、より効果的なプレゼンテーション及びディスカッションの技法を習得すること。</p> <p>・ To gain understanding of diverse viewpoints and develop various perspectives on Japanese language and cultures including social conditions and issues as well as on international students' cultures</p> <p>・ To be able to introduce various aspects of Japanese language, cultures including social conditions and issues through presentations</p> <p>・ To learn presentation method and how to actively join discussions</p>					
[Course schedule and contents]					
<p>多様な文化を有する人たちとの交流の中で、自国文化や社会的状況を多面的に理解し紹介できることが要請される場面は多い。日本人であっても日本語や日本文化について深い理解をもって解説するためには、言語・文化に意識的に向き合わなければならない。本授業は、日本語や日本文化を意識的に捉え、深い理解に立って他者と見方や考え方を共有できるようなることを目的に、講義を中心としながら、演習・討議を交えて進めていく。</p>					
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Continue to 日本語・日本文化演習(2)					

日本語・日本文化演習(2)
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第1回(1) オリエンテーション <担当：河合、韓>
<p>[ 第1回(2) - 第7回 - 日本語の特徴と日本語教育方法 - ]</p> <p>前半全体の内容</p> <p>講義：日本語の特徴と日本語教育方法の基礎についての講義を行う。</p>
<p>第1回(2) &lt;河合&gt;</p> <p>講義：導入</p>
<p>第2回 &lt;河合&gt;</p> <p>講義：日本語の基本的特徴</p> <p>演習：ディスカッション 及び プレゼンテーションの準備(1)</p>
<p>第3回 &lt;河合&gt;</p> <p>講義：日本語教育方法の基礎</p> <p>演習：ディスカッション 及び プレゼンテーションの準備(2)</p>
<p>第4回 &lt;河合&gt;</p> <p>講義：日本語教育における日本文化の教えかた</p> <p>演習：ディスカッション 及び プレゼンテーションの準備(3)</p>
<p>第5回、第6回 &lt;河合・韓&gt;</p> <p>演習：リハーサル&amp;プレゼンテーション（に向けたフィードバック</p>
<p>第7回 &lt;河合・韓&gt;</p> <p>プレゼンテーション</p>
<p>[ 第8回 - 第14回 - 日本文化・日本社会の特徴 ]</p>
<p>第8回、第9回 &lt;韓&gt;</p> <p>講義：</p> <ul style="list-style-type: none"> <li>・文化の定義と比較の方法</li> <li>・外から見た日本文化・社会の特徴と背景(1)</li> </ul> <p>挑戦・失敗・積極性</p>
<p>第10回、第11回&lt;韓&gt;</p> <ul style="list-style-type: none"> <li>・外から見た日本文化・社会の特徴と背景(2)</li> </ul> <p>創造性・イノベーション</p>
<p>第12回、第13回&lt;韓・河合&gt;</p>
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Continue to 日本語・日本文化演習(3)

### 日本語・日本文化演習(3)

#### リハーサル&プレゼンテーションに向けたフィードバック

第14回 <韓・河合>  
プレゼンテーション(日英選択可)

第15回 <韓・河合>  
フィードバック

When people from different cultural backgrounds meet, it offers an opportunity not only to exchange views, but also to introduce and reflect on aspects of one's own culture and society. Consciously learning about a culture and discussing it with others leads to deeper understanding and a better ability to explain elements of that culture. In this way, this course is beneficial for both international and Japanese students. The class consists of lectures and seminars as well as discussions and student presentations. We will examine Japanese language and culture from a variety of angles and share views among classmates from various cultural and social backgrounds

1(1) Guidance [Kawai, Han]

Part I:  
Overview of lectures 1(2)-7  
Lectures: Characteristics of Japanese language and language teaching  
Seminars: Working in groups composed of international and Japanese students.

1(2) [Kawai]  
Lecture: Introduction

2 [Kawai]  
Lecture: Basic aspects of Japanese  
Seminar: Discussion and preparing for your presentation (1)

3 [Kawai]  
Lecture: Basics of Japanese teaching methods  
Seminar: Discussion and preparing for your presentation (2)

4 [Kawai]  
Lecture: Japan culture through Japanese language education  
Seminar: Discussion and preparing for your presentation (3)

Continue to 日本語・日本文化演習(4)

### 日本語・日本文化演習(4)

5, 6 [Kawai, Han]  
Seminar: Presentation rehearsal and feedback

7 [Kawai, Han]  
Final Presentation

Part I: Lectures 8 - 15  
Social scientific approach toward Japanese culture and society in the global context

8 and 9 [Han]  
Lecture: Definitions of "culture" and comparative studies  
Characteristics of Japanese culture and society- Attitude toward challenge and failure,  
Seminar: Discussion and preparing for your presentation (1) (2)

8 and 9 [Han]  
Lecture: Definitions of "culture" and comparative studies  
Characteristics of Japanese culture and society- Creativeness and innovation  
Seminar: Discussion and preparing for your presentation (3)(4)

12,13 [Han, Kawai]  
Seminar: Presentation rehearsal and feedback

14 [Han, Kawai]  
Presentation for Part II: Either in Japanese or English

Feedback [Han, Kawai]

#### [Course requirements]

- ・受講生に日本語初級者が含まれる場合は、主に英語で授業を行います。
- ・ただし、日本語が母語でない人は、授業の円滑な理解のために初級修了以上の日本語能力を有していることが望ましいです。PPTスライドは日本語のみ、日英併記の場合があります。

日本語能力試験N4、CEFR A2レベルをクリアしていること。

- ・ If there are beginner-level Japanese students among the participants, the class will be conducted mainly in English.
- ・ However, if Japanese is not your first language, for smooth understanding of the class, it is desirable for students to have completed Japanese language classes of Elementary level or higher\*.

PPT slides may be written in Japanese only, or in both Japanese and English.  
\*Have mastered JLPT N4, CEFR A2 level or higher.

#### [Evaluation methods and policy]

積極的参加態度 (30%)、「レポート・発表準備課題、プレゼンテーション」(70%)で評価する。

配点の割合の詳細は講義において示す。

Participation (30%), "Reports, assignments, and presentations"(70%).  
Details will be announced in class.

Continue to 日本語・日本文化演習(5)

日本語・日本文化演習(5)
<b>[Textbooks]</b>
プリントを配布する Handouts
<b>[References, etc.]</b>
<p>( Reference book )</p> <p>Readings for each week will be handed out in class.</p> <p>The following books will be our basic guides throughout the course.</p> <p>Part I:遠藤織枝『日本語教育を学ぶ』第2版(三修社、2011年3月)[Endoh, Orie, " Nihongo-kyoiku o manabu ", 2011] (Abridged translations in English will be provided.)・金水敏『ヴァーチャル日本語 役割語の謎』(岩波書店、2003年1月)[Kinsui, Satoshi, " Virtual-Nihongo Yakuwarigo no Nazo ", 2003] (Abridged translations in English will be provided.)・近藤安月子『「日本語らしさ」の文法』(研究社、2018年3月)[Kondoh, Atsuko, " ' Nihongo-rashisa ' no Bunpo ", 2018] (Abridged translations in English will be provided.)・定延利之『日本語社会のぞきキャラくり』(三省堂、2011年3月)[Sadanobu, Toshiyuki, " Nihongo-shakai Nozokikyarakuri ", 2011] (Abridged translations in English will be provided.)・Kingston, Jeff (ed) (2013), Critical Issues in Contemporary Japan, Routledge., Part II: To be announced in class.</p>
<b>[Study outside of class (preparation and review)]</b>
<p>プレゼンテーションの準備として、段階を追って随時レポート・課題が出される。各自、積極的に準備を行うことが求められる。</p> <p>To prepare for presentation(s), you will be asked to submit several assignments and short reports step by step. Your active participation is expected.</p>
<b>[Other information (office hours, etc.)]</b>
<p>( 1 ) 全学共通科目「多文化教養演習：見・聞・知@XXX」受講のための推奨科目となっている。XXX・・・香港、タイ、ベトナム、中国大陸、インドネシア、台湾、韓国、バルセロナ、京都</p> <p>( 2 ) 交換留学生のための履修推奨科目になっている。</p> <p>(1) Although this class was designed for students who plan to study abroad, all local and international students who want to learn about Japanese language and cultures from various different perspectives are welcome.</p> <p>(2) This class is recommended for the local students who are planning to participate in the short-term study abroad programs, 全学共通科目「多文化教養演習：見・聞・知@～」("Seminar for Multicultural Studies: Watch, Listen and Learn @ XXX"). XXX=Hong Kong, Indonesia, Thailand, Mainland China, Vietnam, Taiwan, Korea, Barcelona, and Kyoto.</p> <p>(3) This class is one of the "recommended classes" for international exchange students.</p> <p>平成27年度以前の卒業要件が適用される学部生が履修し、単位を修得した場合には、単位数の2分の1が卒業に必要な単位として算入されます。</p>

**Lecture code: H731001**

Course number		U-LAS04 20008 LE47			
Course title (and course title in English)	Education in Contemporary Japan Education in Contemporary Japan			Instructor's name, job title, and department of affiliation	Institute for Liberal Arts and Sciences Professor,KAWAI JUNKO
Group	Humanities and Social Sciences		Field(Classification)	Pedagogy, Psychology and Sociology(Issues)	
Language of instruction	English		Old group	Group A	Number of credits 2
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters 2025・Second semester
Days and periods	Wed.3		Target year	All students	Eligible students For all majors
[Overview and purpose of the course]					
This course provides an introduction to approaches to and topics in Japanese education. The course examines the characteristics of schooling in Japan from the past to today, and includes analysis of contemporary issues in education.					
"Education" has several functions: it transmits values, culture, and customs while at the same time instilling societal rules, and selecting individuals (for example through examinations) and allocating them in a certain position within the society. We will study how these social functions operate in Japanese society by comparing Japan's educational system with that of other countries. Students are encouraged to share their own knowledge and experiences.					
Class will be interactive, mixing both lectures and discussions with activities, including a field trip, either virtual visit or real visit depending on the situation, to a local school. Throughout the whole course, students will have opportunities to take a close look at what is happening and what has happened in Japanese society by examining Japanese education from various perspectives.					
[Course objectives]					
<ul style="list-style-type: none"><li>• To gain knowledge and understanding of the characteristics of Japanese education through comparisons with other countries and students' own experiences.</li><li>• To develop interest and skills to participate in discussions with classmates from various cultural backgrounds.</li><li>• To develop skills in critical analysis through structured reading, written assignments, and a field observation.</li></ul>					
[Course schedule and contents]					
Topics					
1. Introduction to approaches to education (Session 1)					
2. Overview of Japanese education system (Session 1-2)					
3. Characteristics of Japanese education (Session 2-9)					
(1) Historical background for understanding contemporary Japanese education					
(2) Egalitarianism in Japanese elementary education					
(3) Ability grouping and effort-ism (Spirit of “ Gambaru ” )					
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Continue to Education in Contemporary Japan(2)					

<b>Education in Contemporary Japan(2)</b>					
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(4) Individualism and group harmony					
(5) Life of adolescents - Roles of Japanese school clubs, functions and culture of cram schools, teacher-student relationships, school-family relationships.					
(6) Entrance examinations					
(7) Transition from school to work					
4. Observation in real educational settings: field trip to a local school (method of the visit and date to be decided)					
5. Contemporary education issues (Session 10-14)					
(1) Japanese educational problems: a historical overview					
(2) Ijime (Bullying) and Futoko (Truancy, Non-attendance)					
(3) Over-demanding parents					
(4) Language education					
(5) Studying abroad					
6. Feedback (Session 15)					
<b>[Course requirements]</b>					
None					
<b>[Evaluation methods and policy]</b>					
Participation in class activities (30%), Mid-term report (book review) (30%), and Final report (40%)*.					
*For the final report, students may choose one of the following assignments: (1) A report on observation at school site or (2) An analysis of a personal educational history (In-depth Interview).					
授業への参加(30%)、中間レポート(文献紹介)(30%)、期末レポート(40%)。					
<b>[Textbooks]</b>					
Handouts will be distributed. プリント配布					
<b>[References, etc.]</b>					
(Reference book)					
(1)Apple, Matthew T., Da Silva, Dexter, and Fellner, Terry, Language Learning Motivation in Japan (Second Language Acquisition), Multilingual Matters, 2013					
(2)Cummings, William, Chapter 5, "Egalitarian Education", Education and Equality in Japan, Princeton University Press, 1980					
(3)Fukuzawa, Rebecca E. and LeTendre, Gerald. Intense Years: How Japanese Adolescents Balance School, Family, and Friends, Taylor and Francis, 2001					
(4)Mock, John, Kawamura, Hiroaki, and Naganuma, Naeko, The Impact of Internationalization on Japanese Higher Education: Is Japanese Education Really Changing? Sense Publishers, 2016					
(5)Rohlen, Thomas, Chapter 5 "Space and Time", and Chapter 6 "Organization", in Japan's High School, The University of California Press, 1983					
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Continue to Education in Contemporary Japan(3)					

<b>Education in Contemporary Japan(3)</b>
<p>(6)Shavit, Yossi, and Muller, Walter, (eds.) From School to Work; A Comparative Study of Educational Qualifications and Occupational Destinations, Clarendon Press Oxford, 1998</p> <p>(7)Tobin, Joseph J, Wu, David Y., and Davidson, Dana H. Preschool in Three Cultures; Japan, China, and the United States, Yale University Press, 1989</p> <p>(8)伊藤茂樹「心の問題」としてのいじめ問題」『教育社会学研究 59』1996 [Ito, Shigeki, “ IJIME Constructed as a Problem of Mind, ” Kyoiku SyakigakuKenkyu, Vol. 59, 1996 (Abridged translations in English will be provided.)]</p> <p>(9)森田洋司『不登校現象の社会学』学文社、1991 [Morita, Yoji, Futokogensho no Shakaigaku, 1991 (Abridged translations in English will be provided.)]</p> <p>(10)小野田正利『悲鳴をあげる学校 親の ” イチャモン ” から ” 結びあい ” へ』旬報社、第7刷、2007 [Onoda, Masatoshi, Himei o ageru gakko, 2007 (Abridged translations in English will be provided.)]</p>
<b>[Study outside of class (preparation and review)]</b>
<ul style="list-style-type: none"> <li>• Students are expected to complete the reading assignments and actively participate in class discussion every week.</li> <li>• Students are required to give a 10-15 minute presentation on one of the selected reading assignments as a small group.</li> </ul>
<b>[Other information (office hours, etc.)]</b>
<p>During one of the classes between Session 7 and Session 9, we will visit or virtually visit a nearby local elementary school for a participant observation. Students will need to cover any necessary transportation fees and enroll in the Personal Accident Insurance for Students while Pursuing Education and Research. 第7回～9回のうち1回は、小学校実習を行う予定である。訪問の方法はその時の状況によって判断する。旅費（交通費）が必要な場合、原則として受講生の負担となる。学生教育研究災害傷害保険に各自加入しておくこと。</p> <p>このクラスは英語で行われますが、E2科目ではありません。例年、留学生が受講しており、多様な文化的背景の学生が共に学ぶ機会となっています。</p>

**Lecture code: H387001**

Course number		U-LAS02 20026 LE37			
Course title (and course title in English)	Introduction to Classical Japanese Literature		Instructor's name, job title, and department of affiliation	Institute for Liberal Arts and Sciences Associate Professor, YUKAWA SHIKIKO	
	Introduction to Classical Japanese Literature				
Group	Humanities and Social Sciences		Field(Classification)	Arts, Literature and Linguistics(Issues)	
Language of instruction	English		Old group	Group A	Number of credits 2
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters 2025・Second semester
Days and periods	Wed.3		Target year	All students	Eligible students For all majors
[Overview and purpose of the course]					
<p>To explore recurrent themes, ideas and values seen in representative works of classical Japanese literature and to gain a better understanding of how some of the ideas or values have changed over time, and how others have been altered to suit changing tastes.</p> <p>日本古代から室町時代までの代表的な古典を取り上げ、それらに繰り返し現れる重要な文学的概念や類型、また日本古来の社会的規範や価値観などについて考察すると共に、それらがどのように形成され、またどのような変遷を経て、現代にまで継承されてきたかについて考える。</p> <p>This course is being offered concurrently to both international students and students of Kyoto University. Hence, students will have ample opportunity to interact and to share their thoughts with other students from a variety of backgrounds and cultures in our discussion of the selected works of literature. We will be using English translations of the original Japanese works as our reading material. Discussion sessions and the final exam will also be completed in English.</p> <p>この授業は、本学に在籍する学生に限らず、海外からの留学生にも開講しているので、受講者は様々な文化的背景を持つ外国人留学生と英語で対話し、日本の古典について意見を交換する機会を得ることができる。また、違う角度から自国の文学や文化を見つめ直すよい機会にもなる。</p> <p>本授業では、『萬葉集』、『伊勢物語』、『源氏物語』、『方丈記』、『物くさ太郎』など、日本人学生には馴染みのある代表的な作品を扱うが、テキストとしては英訳本を用いる。ディスカッションおよび期末試験も英語で行われる。</p>					
[Course objectives]					
<p>To recognize and understand some of the important and recurring literary themes/patterns/concepts that can be seen in representative works of classical Japanese literature from the Nara to Muromachi Periods, in addition to the Japanese values, social attitudes and ways of thinking from pre-modern times that are reflected in these works.</p> <p>奈良時代から室町時代までの代表的な作品を読み、それらに繰り返し現れる重要な類型、文学的概念、また日本古来の社会的規範や価値観を見出し、理解すること。</p> <p>Before enrolling in this course, please note the following:</p> <p>One of the main objectives of this course is for students to acquire the ability to express their thoughts on the works to be studied in an objective and logical manner based on a careful and close reading of the text, and by citing evidence from the literature. This course is not intended for students to express their subjective opinions or personal preferences with regard to the literary works in question.</p> <p>本授業では、講義やディスカッションで取り上げられる文学作品について、受講者が主観的な感想</p>					
Continue to Introduction to Classical Japanese Literature(2)					

<b>Introduction to Classical Japanese Literature(2)</b>	
<p>を述べることを目的としておらず、テキスト(text)に基づいて、客観的且つ論理的に自己の考えを述べられるようになることを目標としている。このことを十分に理解し授業に臨んでもらいたい。</p>	
<b>[Course schedule and contents]</b>	
<p>The course schedule is as follows. This semester we will cover works through the Muromachi Period. The lecture content and schedule are subject to revision as needed.</p> <p>1st ~ 2nd classes: Orientation, Monokusa Taro* (Kyoto University Rare Materials Digital Archive “Enjoying Otogi Zoshi with the help of synopsis and illustrations, ” second story)</p> <p>3rd ~ 4th classes: Manyoshu*</p> <p>5th ~ 6th classes: Kokinwakashu, Taketori Monogatari*</p> <p>7th ~ 8th classes: Ise Monogatari*</p> <p>9th ~ 11th classes: Genji Monogatari*</p> <p>12th ~ 13th classes: Shinkokinwakashu, Hojoki</p> <p>14th class: Tsurezuregusa, or selected setsuwa narratives</p> <p>《Final exam》</p> <p>Feedback class (specific date and time to be announced)</p> <p>Group discussion sessions are scheduled for the works marked with an asterisk *.</p>	
<p>授業計画は以下の通りである。今学期は室町時代までの作品を扱う。授業の進行を見て変更することがある。</p> <p>1回目～2回目 オリエンテーション、『物くさ太郎』（京都大学貴重資料デジタルアーカイブ「挿絵とあらすじで楽しむお伽草子」第2話）</p> <p>3回目～4回目 『萬葉集』</p> <p>5回目～6回目 『古今和歌集』、『竹取物語』</p> <p>7回目～8回目 『伊勢物語』</p> <p>9回目～11回目 『源氏物語』</p> <p>12回目～13回目 『新古今和歌集』、『方丈記』</p> <p>14回目 『徒然草』または説話</p> <p>《期末試験》</p> <p>フィードバックの回（日時は後日通知する）</p> <p>印を付した作品はグループディスカッションを行う予定である。</p>	
<p>What events, what things, what qualities provoked the artistic sensitivities of pre-modern Japanese writers and moved them to literary expression? What appealed to them and what did not? What were the objects of Japanese aesthetic appreciation?</p> <p>In the course of our study, we will attempt to answer these and other questions based on a careful reading of selected works. We will explore themes such as miyabi, mononoaware, wakashu, irogonomi, mujo, etc., as seen in representative works from the Nara to Muromachi Periods. In many cases the themes are recurrent, drawing upon the literature of preceding eras or profoundly influencing that of later periods, and they offer valuable insight into Japanese ideals and ways of thinking. We will also discuss examples, as seen in the text, of pre-modern Japanese conventions, cultural practices and social values tsumadohi, inton (tonsei), masurawo/tawoyame, to name just a few.</p> <p>種々の作品を残した日本古典文学の作者達は、どのような出来事、事柄、性質によって刺激を受け、</p>	
Continue to Introduction to Classical Japanese Literature(3)	



Introduction to Classical Japanese Literature(3)
<p>触発され、そして、その刺激に対し、いかに文学的に答えようとしたのだろうか。どのようなものを好み、どのようなものを敬遠したのだろうか。</p> <p>本授業では、奈良時代から室町時代にかけての代表的な作品の精読を通じて、上記のような問題について考察する。また、実際に例を見ながら、「みやび」、「もののあはれ」、「をかし」、「いろごのみ」、「無常」といった重要なテーマを考える。「妻問ひ」、「隠遁」、「ますらを（振り）・たをやめ（振り）」など、さまざまな社会的慣習、生き方や価値観についても考察を試みる。</p>
<b>[Course requirements]</b>
None
<b>[Evaluation methods and policy]</b>
<p>Assessment will be based on the following:</p> <p>(1) Contribution to discussions and degree of participation (30%).</p> <p>(2) Final exam (70%).</p> <p>成績判定は以下によって行う。</p> <p>(1)ディスカッションへの貢献度・参加度合い ( 30% ) 。</p> <p>(2)期末試験 ( 70% ) 。</p> <p>Grading scale used: raw score based on assessment of (1) and (2) above (maximum 100 points)</p> <p>成績評価の種別：素点 ( 100点満点 )</p> <p>Further details of the grading policy will be explained during the first lecture.</p> <p>成績評価基準の更なる詳細は初回の授業時に説明する。</p>
<b>[Textbooks]</b>
<p>Handouts and required reading material will be uploaded to PandA [Resources].</p> <p>PandAの[授業資料・リソース]に資料を掲載する。</p>
<b>[References, etc.]</b>
<p>( Reference book )</p> <p>(1) McCullough, Helen Craig, Classical Japanese Prose: An Anthology, Stanford University Press, 1990.</p> <p>(2) Carter, Steven D. (translator), Traditional Japanese Poetry: An Anthology, Stanford University Press, 1991.</p> <p>(3) Keene, Donald (ed.), Anthology of Japanese Literature: from the earliest era to the mid-nineteenth century, Grove Press, 1955.</p> <p>(4) Miner, Earl et al., The Princeton Companion to Classical Japanese Literature, Princeton University Press, 1985.</p> <p>(5) Haruo Shirane (ed.), Traditional Japanese Literature: An Anthology, Beginnings to 1600 (Translations from the Asian Classics), Columbia University Press, 2008.</p> <p>(6) William Theodore De Bary et al., Sources of Japanese Tradition: From Earliest Times to 1600 (Introduction to Asian Civilizations), Columbia University Press, 2002.</p> <p>(7) William Theodore De Bary et al., Sources of Japanese Tradition Vol. 2: 1600 to 2000 (Introduction to Asian Civilizations), Columbia University Press, 2005.</p>
<b>[Study outside of class (preparation and review)]</b>
<p>(1) Students are expected to review the content of each lecture each week, including and especially any key terms and concepts introduced in class.</p>
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Continue to Introduction to Classical Japanese Literature(4)

Introduction to Classical Japanese Literature(4)
<p>毎週授業で紹介された作品に関するキーワードや概念をはじめ、講義の内容を復習すること。</p> <p>(2) Students are requested to prepare for the discussion sessions by carefully reading the assigned material before coming to class. Discussion time is limited, so students need to form their opinions in response to the discussion questions in advance, and be ready to explain their thoughts concisely and efficiently. Students should also come prepared with questions to ask of their group members.</p> <p>この授業では、数回、少人数によるディスカッションを行う。ディスカッションが予定されている回については、前もって資料を読むこと。ディスカッションの時間は限られているので、効率よく進めるために、各テーマについてあらかじめ自分の意見や考えをまとめ、簡潔に述べられるように準備し、また他のメンバーに聞きたい質問を考えておくこと。</p>
<b>[Other information (office hours, etc.)]</b>
<p>オフィス・アワーはKULASISで確認して、アポをとってください。</p> <p>For my office hours, please check KULASIS and make an appointment.</p>

**Lecture code: H274001 for Fri.1  
H274002 for Fri.2**

Course number		U-LAS01 10010 LE38			
Course title (and course title in English)	Western History II-E2		Instructor's name, job title, and department of affiliation	Graduate School of Human and Environmental Studies	
	Western History II-E2			Senior Lecturer,BHATTE, Pallavi Kamlakar	
Group	Humanities and Social Sciences		Field(Classification)	History and Civilization(Foundations)	
Language of instruction	English		Old group	Group A	Number of credits 2
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters 2025 • Second semester
Days and periods	Fri.1/Fri.2		Target year	All students	Eligible students For all majors
[Overview and purpose of the course]					
This is an introductory undergraduate course, providing students a basic narrative of major turning points that shaped modern Europe from the late 18th-century through the present, including the cause and the course of the two world wars.					
The purpose of this course is to develop					
(a) an understanding of some of the principle themes in modern Western History, and					
(b) an ability to analyze historical evidence and historical interpretation, and					
(c) an ability to express historical understanding verbally.					
[Course objectives]					
One of the goals of this course is to help students to consider multiple accounts of historical events in order to understand international relations from a variety of perspectives. Besides nurturing their English reading, writing and communication skills, the ultimate goal of this course is to provide a platform for students to discuss history in English.					
[Course schedule and contents)]					
Week : Content					
1: Introduction to the course and Overview					
2/3: The French Revolution and Napoleon					
4/5: The Industrial Revolution and Pax Britannica					
6/7: World War I					
8/9: Interwar period and the rise of Fascist Italy, Germany and Japan					
10/11: World War II					
12/13: The Cold War					
14: Post Cold War and the Contemporary Era					
Final examination					
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Continue to Western History II-E2(2)					

<b>Western History II-E2(2)</b>
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15: Feedback & Summary of the Course
*Note: The schedule may change slightly depending on class requirements.
<b>[Course requirements]</b>
There are no prerequisites. This course is open to all students regardless of major. Enthusiasm and willingness to participate and share ideas in class is necessary.
<b>[Evaluation methods and policy]</b>
A system of continuous evaluation will be adopted. Students are expected to be physically and mentally present for each class, engage in discussions and/or presentations and, submit written work in English as per instructions. Note-taking is an essential element, slides will NOT be uploaded. Final grade will be based on the following: 30% Active participation and activity in class 70% Assignments/Exams
<b>IMPORTANT:</b> 1. Class participation is MANDATORY, unless special exemption is granted (e.g. for illness, other conditions). 2. Absence from FOUR or more classes, will result in loss of credits for the course. 3. Tardiness (by 15 minutes or more) will be treated as absence. 4. Systematic tardiness and/or unexplained early departures will greatly reduce your attendance and participation grade.. 5. Final Exam is a MUST to pass the course.
<b>[Textbooks]</b>
Not used
<b>[References, etc.]</b>
<b>( Reference book )</b> Introduced during class Reference materials and readings will be provided in class as per requirements. Students will be expected to go through the handouts and bring them to class as per instruction.
<b>[Study outside of class (preparation and review)]</b>
No prior knowledge of history is required. Students should be able to participate in discussions with their classmates in English. All necessary out of class preparation announced in class is mandatory.
<b>[Other information (office hours, etc.)]</b>
Tuesdays 1:30-2:30 pm, and by appointment; email *in advance* to meet in person or set up remote meeting (via Zoom) during office hours. Please visit KULASIS to find out about office hours.
Inclusivity & Classroom Behavior:
Please be respectful to everyone and everything in class. I will remain mindful of the need to foster an inclusive academic environment and ask you to do the same. If
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Continue to Western History II-E2(3)



**Western History II-E2(3)**

you have any specific needs related to accessibility, please discuss them with me, confidentially, as soon as possible.

Academic Integrity:

Written work submitted throughout the course should adhere to the standards of academic honesty, as defined in the Kyoto University Student Handbook.

**Lecture code: H918001 for Wed.3  
H918002 for Wed.4**

Course number		U-LAS06 10010 LE43			
Course title (and course title in English)	Contemporary Economics II-E2 Contemporary Economics II-E2			Instructor's name, job title, and department of affiliation	Graduate School of Economics Professor,Alireza Naghavi
Group	Humanities and Social Sciences		Field(Classification)	Jurisprudence, Politics and Economics(Foundations)	
Language of instruction	English		Old group	Group A	Number of credits 2
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters 2025 • Second semester
Days and periods	Wed.3/Wed.4		Target year	All students	Eligible students For all majors
[Overview and purpose of the course]					
This course is an introductory undergraduate course that teaches the fundamentals of macroeconomics and application of economics concepts. It provides a solid foundation for macroeconomic analysis and thinking that can last throughout their education and subsequent professional careers.					
[Course objectives]					
After completing this course, students should have developed a range of skills enabling them to understand economic concepts and use those concepts to analyze specific questions. By the end of this course, students should be able to understand economic growth, recession/booms, un-/employment, de-/inflation, and the financial system.					
[Course schedule and contents]					
Course Description: This course begins with an introduction to supply and demand and the basic forces that determine an equilibrium in a market economy. Next, it introduces a framework for learning about macroeconomics indicator, such as the Gross Domestic Product (GDP) and the Consumer Price Index (CPI). We then turn our attention to specific economic problems such as recessions, unemployment, inflation, international trade etc. The final section of the course provides an opportunity of independent learning. It helps students to deeply understand basic tools of macroeconomics and the way to apply them to real world economic policy.					
Content Outline: 1. What is Economics 2. Economic Methods and Questions 3. Optimization, Choice in the World of Scarcity 4. Equilibrium, Demand and Supply 5. Pricing Elasticity 6. The Macroeconomic Perspective 7. Inflation and The cost of Living 8. Economic Growth 9. Employment and Unemployment 10. Money and Banking 11. Monetary Policy and Bank Regulation 12. The International Trade and Capital Flows 13. Students ' Conference on Selected Macroeconomic Topics (I)					
----- Continue to Contemporary Economics II-E2(2) -----					

<b>Contemporary Economics II-E2(2)</b>					
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14. Students ' Conference on Selected Macroeconomic Topics (II) 15. Feedback					
Course Methodology: The course will use primarily interactive lectures and case studies to help students develop knowledge of “ real world ” economics. Quizzes will be spread out over the term of the course. The last three lectures will be accompanied by group presentation, all students are required to participate. Group will be required to select a research topic a list of topics presented by the instructor.					
<b>[Course requirements]</b>					
None					
<b>[Evaluation methods and policy]</b>					
Quizzes (6/10); Presentations (4/10);					
<b>[Textbooks]</b>					
Steven A. Greenlaw, David Shapiro, Timothy Taylor. 『Principles of Macroeconomics. 2e (2017)』 ( Openstax ) ISBN:9781947172388					
<b>[References, etc.]</b>					
( Reference book ) Mankiw, NG 『Principles of Macroeconomics. 8e (2018)』 ( Cengage Learning ) Williamson, SD 『Macroeconomics. 5e (2014)』					
<b>[Study outside of class (preparation and review)]</b>					
- Prepare and review class contents (textbook). - Complete and submit all assignments, and take quizzes by the assigned due dates.					
<b>[Other information (office hours, etc.)]</b>					
to be announced					

**Lecture code: H947001 for Mon.3**  
**H947002 for Mon.4**

Course number		U-LAS06 10020 LE43				
Course title (and course title in English)		Applied Game Theory-E2 Applied Game Theory-E2		Instructor's name, job title, and department of affiliation	Graduate School of Economics Program-Specific Senior Lecturer,LI CHEN	
Group	Humanities and Social Sciences		Field(Classification)	Jurisprudence, Politics and Economics(Foundations)		
Language of instruction	English		Old group	Group A	Number of credits	2
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters	2025 • Second semester
Days and periods	Mon.3/Mon.4		Target year	Mainly 1st year students	Eligible students	For all majors
[Overview and purpose of the course]						
Game theory is the study of strategic decision-making, where the outcome for each participant depends on their own actions as well as the actions of others. It provides a powerful framework for analyzing a wide range of competitive and cooperative scenarios.						
In a complete information game, all players have full knowledge of the rules, strategies, and payoffs of others, allowing for fully informed decisions. In contrast, an incomplete information game involves uncertainty about some aspects of the game, such as the payoffs or strategies of other players, adding an additional layer of complexity to strategic reasoning.						
This course will provide standard undergraduate-level knowledge of complete information games and an introduction to incomplete information games. We will cover the basic concepts, model formalization, and key solution concepts such as Nash equilibrium and Bayesian Nash equilibrium.						
Throughout the course, we will explore various applications of these concepts in economics, politics, and other real-world scenarios.						
[Course objectives]						
<ul style="list-style-type: none"><li>• Develop an understanding of the models and solution concepts for both complete and incomplete information games.</li><li>• Practice and acquire essential skills to analyze and solve application problems related to complete information games.</li><li>• Gain a foundational understanding of the applications of incomplete information games.</li></ul>						
[Course schedule and contents]						
The lectures will be organized as follows.						
1. Static games of complete information: Normal-form games.						
2. Dominance and iterated elimination of strictly dominated strategies.						
3. Nash equilibrium: Theory.						
4. Nash equilibrium: Applications.						
5. Dynamic games of complete and perfect information.						
6. Dynamic games of complete and perfect information: Applications.						
7. Dynamic games of complete but imperfect information.						
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Continue to Applied Game Theory-E2(2)						

<b>Applied Game Theory-E2(2)</b>
8. Dynamic games of complete but imperfect information: Applications. 9. Static games of incomplete information: Bayesian games. 10. Bayesian Nash equilibrium: Theory. 11. Bayesian Nash equilibrium: Applications. 12. Introduction to dynamic games of incomplete information. 13. Introduction to perfect Bayesian equilibrium. 14. Perfect Bayesian equilibrium in signaling games. (Final examination.) 15. Feedback.
<b>[Course requirements]</b>
Certain topics will assume a foundational understanding of derivatives, integrals and expectation operation.
<b>[Evaluation methods and policy]</b>
Homework (25%) Class participation (5%) Final examination (70%)
<b>[Textbooks]</b>
Instructed during class
<b>[References, etc.]</b>
( Reference book ) Gibbons, R. 『Game Theory for Applied Economists.』 ( Princeton University Press, 1992. ) ISBN: 1400835887, 9781400835881
<b>[Study outside of class (preparation and review)]</b>
Students will be assigned three problem sets as the homework.
<b>[Other information (office hours, etc.)]</b>
Office hour by e-mail appointment.

**Lecture code: HA05001**

Course number		U-LAS03 10005 SB48				
Course title (and course title in English)		外国文献研究（教育・英）II-E1 Readings in Humanities and Social Sciences (Education, English)II-E1		Instructor's name, job title, and department of affiliation	Graduate School of Education Professor,Emmanuel MANALO	
Group	Humanities and Social Sciences		Field(Classification)	Readings in Humanities and Social Sciences		
Language of instruction	English		Old group	Group C	Number of credits	2
Number of weekly time blocks	1	Class style	Seminar (Face-to-face course)		Year/semesters	2025・Second semester
Days and periods	Mon.4		Target year	2nd year students or above	Eligible students	For all majors
[Overview and purpose of the course]						
The main purpose of this course is to develop students ’ English communication skills (reading and writing, listening and speaking) through examination and discussion of recent scientific research studies in Education. Students will be assigned readings to undertake, as well as to look for their own pertinent research articles to read. They will be asked to write brief reports about what they have read, to make short presentations in class, and to contribute to discussions.						
[Course objectives]						
The objective of this course is to facilitate the development of students' reading, writing, listening, and speaking skills in English through active engagement in authentic tasks relevant to the study of Education. In the process, they will also need to apply critical thinking skills to the materials they read and discuss, and to develop skills in collaborative work with others.						
[Course schedule and contents]]						
The following is a guide to the structure of the 16-week lectures of the semester. Some minor adjustments may be made in the process.						
Week 1: Introduction to the course and its expectations; introduction to the special issue of a journal we will use for group presentations						
Week 2: Example research presentation, assignment of articles to present, discussion of presentation requirements						
Week 3 to 4: Presentation preparation and practice						
Weeks 5 to 7: Group oral presentations and discussion						
Weeks 8 to 12: Discussion, research, preparation, and creation of electronic presentations						
Weeks 13 to 14: Electronic presentations and commenting						
Week 15: Examination week (There is NO final examination for this course.)						
Week 16: Feedback week						
[Course requirements]						
None						
[Evaluation methods and policy]						
• Two brief presentations = 30% (15% for each) • Two brief reports = 30% (15% for each) • Portfolio of work done in class and for homework = 40%						
Continue to 外国文献研究（教育・英）II-E1(2)						

外国文献研究（教育・英）II-E1(2)
<b>[Textbooks]</b>
Not used
<b>[References, etc.]</b>
( Reference book )
Introduced during class
<b>[Study outside of class (preparation and review)]</b>
Students will be expected to spend about 90 minutes each week on out-of-class preparation, readings, and assignments.
<b>[Other information (office hours, etc.)]</b>
Students will be expected to read assigned chapters and other readings in preparation for each class. During the semester, students can email the instructor to make an appointment or to ask any questions about the course.

**Lecture code: N184001**

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Course number		U-LAS10 10033 LE55			
Course title (and course title in English)	Linear Algebra B-E2 [For non-science majors]		Instructor's name, job title, and department of affiliation	Graduate School of Engineering Senior Lecturer,Tam Willy Nguyen	
	Linear Algebra B-E2 [For non-science majors]				
Group	Natural Sciences		Field(Classification)	Mathematics(Foundations)	
Language of instruction	English		Old group	Group B	Number of credits 2
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters 2025 • Second semester
Days and periods	Fri.2		Target year	All students	Eligible students For all majors
[Overview and purpose of the course]					
The rapid progress of computers has made it possible to analyze various social and natural phenomena using mathematical methods, and the importance of these methods is increasing. This course is designed to provide liberal arts students with basic knowledge of linear algebra as a basis for learning such mathematical methods. The Linear Algebra B [For non-science majors] is the consecutive course of Liner Algebra A [For non-science majors]. Linear Algebra B [For non-science majors] offers, the students the concepts and techniques that play a central role in linear algebra, based on the basic content of vectors and matrices learned in Linear Algebra A [For non-science majors].					
[Course objectives]					
In Linear Algebra B [For non-science majors], students will understand essential ideas and techniques that play a central role in linear algebra, such as determinants, the basis of vector space, inner product, eigenvalues and eigenvectors, and diagonalization of matrices and become proficient in more advanced treatment of vectors and matrices.					
[Course schedule and contents]					
The following subjects will be covered. The number of lessons is 15, including feedback. The order of the subjects is not fixed; the lecturer will decide according to the lecturer's lecture policy and the student's background and understanding of the subject. Real vectors and matrices will be covered mainly.  1. Determinants (Definition and characteristics of determinant (elementary transformation, product, relation with transpose, substitution, and sign), expansion of determinant, Cramer's rule) [4 ~ 5 weeks] 2. Numerical vector space (linear independence, subspaces, basis and dimension, inner product, orthonormal basis, *direct sum, *orthogonal complementary space, *orthogonal matrix, *QR decomposition) [4-5 weeks] 3. Eigenvalues, eigenvectors, and diagonalization (eigenvalues and eigenvectors, matrix diagonalization, *matrix upper triangulation, *Cayley-Hamilton theorem, *diagonalization of a symmetric matrix by an orthogonal matrix, *positive definiteness of symmetric matrix, *square root of a positive symmetric matrix) [4-5 weeks] 4. Feedback [1 week].  Items marked with an asterisk (*) will be covered if time permits. In addition to lectures on the above topics, there will be exercises (in-class exercises or homework) related to					
Continue to Linear Algebra B-E2 [For non-science majors](2)					

Linear Algebra B-E2 [For non-science majors](2)	
the topics.	
<b>[Course requirements]</b>	
Students are assumed to have a good understanding of high school mathematics except calculus.	
<b>[Evaluation methods and policy]</b>	
Students will be evaluated primarily on their performance in the final examination. The student's performance in exercises and homework may also be taken into account. The details of the evaluation system will be explained by the lecturer in the first lecture.	
<b>[Textbooks]</b>	
Instructions on the textbook will be given in class. For those topics for which no appropriate textbook is available, printed or electronic materials will be provided by the lecturer.	
<b>[References, etc.]</b>	
( Reference book )	
Introduced during class	
<b>[Study outside of class (preparation and review)]</b>	
In order to learn mathematics, it is necessary to try to solve the exercises on your own, in addition to preparing and reviewing the lectures.	
<b>[Other information (office hours, etc.)]</b>	

**Lecture code: N374002 for Wed.3・4**  
**N374004 for Fri.3・4**

<b>Course number</b>	U-LAS13 10012 EE60				
<b>Course title (and course title in English)</b>	Fundamental Chemical Experiments-E2 Fundamental Chemical Experiments-E2		<b>Instructor's name, job title, and department of affiliation</b>	Graduate School of Engineering Associate Professor, Juha Lintuluoto Graduate School of Engineering Associate Professor, Yi Wei Graduate School of Engineering Senior Lecturer, Nguyen Thanh Phuc Graduate School of Engineering Professor, Cathy McNamee Graduate School of Engineering Senior Lecturer, LANDENBERGER, Kira Beth Graduate School of Engineering Associate Professor, ZHU, Tong Graduate School of Human and Environmental Studies 基礎化学実験授業担当教員	
<b>Group</b>	Natural Sciences		<b>Field(Classification)</b>	Chemistry(Foundations)	
<b>Language of instruction</b>	English		<b>Old group</b>	Group B	<b>Number of credits</b> 2
<b>Number of weekly time blocks</b>	2	<b>Class style</b>	Experiment (Face-to-face course)		<b>Year/semesters</b> 2025・Second semester
<b>Days and periods</b>	Wed.3・4/Fri.3・4	<b>Target year</b>	Mainly 1st year students	<b>Eligible students</b>	For science students
<b>[Overview and purpose of the course]</b>					
The purpose of this laboratory class is to practice the basic identification and synthesis of chemical compounds as well as to learn the underlying principles involved.					
<b>[Course objectives]</b>					
Students will gain understanding in basic chemical concepts by actual hands-on work performing fundamental analysis and synthesis of chemical compounds.					
<b>[Course schedule and contents)]</b>					
Registration information: <a href="https://www.z.k.kyoto-u.ac.jp/zenkyo/guidance">https://www.z.k.kyoto-u.ac.jp/zenkyo/guidance</a>					
1. General Guidance [2 times] The aims and contents of the experiments, how to make laboratory notes and reports, and how to use experimental instruments, labware and reagents safely.					
2. Qualitative Inorganic Analysis Experiments [4 times] (1) Basic Reactions of Fe <sup>3+</sup> and Al <sup>3+</sup> (3rd Analytical Group). (2) Basic Reactions of Ag <sup>+</sup> , Pb <sup>2+</sup> , Cu <sup>2+</sup> and Bi <sup>3+</sup> (1st and 2nd Analytical Groups). (3) Basic Reactions of Ni <sup>2+</sup> , Co <sup>2+</sup> , Mn <sup>2+</sup> and Zn <sup>2+</sup> (4th Analytical Group). (4) Analysis of an Unknown Sample Containing Some Cations.					
3. Volumetric Analysis Experiments [4 times] (1) Chelatometric Titration: Quantitative Determinations of Ca <sup>2+</sup> and Mg <sup>2+</sup> in tap water. (2) Iodometry: Quantitative Determination of NaClO in Bleach. (3) Oxidation Reaction Rate: Measurement of a Pseudo-first-order Reaction Rate Constant. (4) Adsorption of Oxalic Acid by Activated Carbon.					
Continue to Fundamental Chemical Experiments-E2(2)					

<b>Fundamental Chemical Experiments-E2(2)</b>
4. Experiments in Organic Chemistry [4 times] (1) Qualitative Analysis of Organic Compounds. (2) Structure and Property of Organic Compounds: Azo Dyes and Fluorescent Dyes. (3) Organic Synthesis I: Acetylation of 4-Methoxyaniline. (4) Organic Synthesis II: Nitration and Hydrolysis.
5. Feedback [1 time]
<b>[Course requirements]</b>
None
<b>[Evaluation methods and policy]</b>
Grades will be based on submitted reports and performance during of a total of 12 hands-on chemical experiments.
<b>[Textbooks]</b>
『Fundamental Chemical Experiments』 ( This textbook will be delivered at the class. )  ( <b>Related URL</b> ) <a href="https://ocw.kyoto-u.ac.jp/en/ilas/02">https://ocw.kyoto-u.ac.jp/en/ilas/02</a> (Video materials for chemical operation.)
<b>[Study outside of class (preparation and review)]</b>
Preparation for each experiment should be done in advance. Understand the principles involved, and summarize these beforehand in the experimental notes regarding the reagents, equipment, and procedures and methods to be used.
<b>[Other information (office hours, etc.)]</b>
<ul style="list-style-type: none"> <li>For the registration of the class, please see *1 below.</li> <li>Detailed information of the registration will be given at the homepage “ KULASIS ” in mid-September.</li> <li>Attend the first class, the course guidance will be given there.</li> <li>When you decide to take the class, you must have your own safety glasses as well as obtain the insurance for study and research “ 学生教育研究災害傷害保険 ”. (Safety glasses can be purchased at the COOP Shop “ 生協 ” and the insurance “ 学生教育研究災害傷害保険 ” is processed at the Education Promotion and Student Support Department Desk “ 教育推進・学生支援部 ”.)</li> </ul>
*1
Students must apply for the course before registration if they intend to register for experiment or exercise class of Natural Sciences Group. Please register for the class if you are permitted to participate.
<ul style="list-style-type: none"> <li>Application period: Before the guidance of the first class</li> <li>Posted: Details will be posted on “ Notification ” (Academic affairs information on liberal arts and sciences) in KULASIS in mid-September.</li> <li>Application method: This will be explained in the “ Notification ” on KULASIS</li> <li>Selection method: If the number of students who wish to take the class exceeds the course limit, a lottery will be held. The</li> </ul>
Continue to Fundamental Chemical Experiments-E2(3)

**Fundamental Chemical Experiments-E2(3)**

results will be announced after the guidance session.

- Notice: Unlike the other class designated courses, students can register the “ Fundamental Chemical Experiments ” course even if it is not the day/period of their class designated course. However, this shall not apply in the case when the class is oversubscribed.

**Lecture code: N490003 for Tue.3**

Course number		U-LAS14 20037 LE68			
Course title (and course title in English)	Introduction to Biochemistry-E2 Introduction to Biochemistry-E2			Instructor's name, job title, and department of affiliation	Graduate School of Medicine Professor,THUMKEO , Dean
Group	Natural Sciences		Field(Classification)	Biology(Issues)	
Language of instruction	English		Old group	Group B	Number of credits 2
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters 2025 • Second semester
Days and periods	Tue.2/Tue.3		Target year	Mainly 1st & 2nd year students	Eligible students For science students
[Overview and purpose of the course]					
In this introductory lecture, we will learn about the molecular chemical basis of life. Emphasis of this course includes fundamentals of the components that form the backbone of the cell (proteins, nucleic acids, sugars, and lipids), as well as enzyme chemistry and the role of typical proteins. Finally, we will discuss on the link between biochemistry and human diseases, such as enzyme gene deficiencies, and how to treat them.					
[Course objectives]					
As all matter is composed of molecules, modern life science aims to explain all aspects of life comprehensively from the molecular level to that of the entire organism. In this lecture, students will attain a basic understanding of the molecular design of life, that is how biomolecules work and cooperate with each other to fulfill virtually all actions exerted by living beings.					
[Course schedule and contents]					
1.Introduction to biochemistry 2. Amino acids (1): Structure 3. Amino acids (2): Function 4. Peptide and protein structure 5. Enzymes (1): Kinetic theory 6. Enzymes (2): Inhibitors 7. Enzymes (3): Enzyme activity 8. Cell structure and function 9. Nucleic acids and nucleotide (1) : Structure and function 10. Nucleic acids and nucleotide (2) : Central dogma 11. Monosaccharides and polysaccharides 12. Lipids and phospholipids 13. Methods in biochemistry 14. Introduction to metabolism 15. Final exam 16. Feedback					
----- Continue to Introduction to Biochemistry-E2(2)					

<b>Introduction to Biochemistry-E2(2)</b>
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<b>[Course requirements]</b>
None
<b>[Evaluation methods and policy]</b>
Evaluation will be based on class attendance and participation (~30 %), a report (~ 10%) and a final examination (~60 %).
<b>[Textbooks]</b>
Not used Full handouts will be provided.
<b>[References, etc.]</b>
( <b>Reference book</b> ) Nelson & Cox 『Lehninger Principles of Biochemistry 8th edition, International 』 ( Macmillain, 2021 ) ISBN:978-1-319-38149-3 ( Electronic version are available at the University Library eBook )
<b>[Study outside of class (preparation and review)]</b>
I recommend students to confirm the handouts for each lecture and the relevant reference textbooks to learn about the lecture content in advance of the class. Handouts for each lecture will be uploaded on Panda approximately one week before each class.
<b>[Other information (office hours, etc.)]</b>
Students are welcome to ask any questions in the class. Consultation via email or online meetings such as Zoom is possible. For those students who prefer to discuss directly with me beyond class hours, please arrange appointments by email in advance.



**Lecture code: N490004 for Tue.3**

未更新

Course number		U-LAS14 20037 LE68			
Course title (and course title in English)	Introduction to Biochemistry-E2 Introduction to Biochemistry-E2			Instructor's name, job title, and department of affiliation	Graduate School of Medicine Senior Lecturer,Marco,Marques Candeias
Group	Natural Sciences		Field(Classification)	Biology(Issues)	
Language of instruction	English		Old group	Group B	Number of credits 2
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters 2025 • Second semester
Days and periods	Tue.2/Tue.3		Target year	Mainly 1st & 2nd year students	Eligible students For science students
[Overview and purpose of the course]					
This introductory course focuses on the basic concepts of biochemistry. It begins from the molecular design of life and considers its major players; DNA as the genetic material, and then RNA, proteins, carbohydrates and lipids. Based on these preliminary concepts, the course then continues to consider the basic processes involved in metabolism and energy generation in living organisms.					
[Course objectives]					
The course provides an understanding of the underlying concepts and principles of the biochemical and molecular processes that control all life. Such understanding will enable students not only to better appreciate the complexities of diverse biological and physiological systems but to use these basic concepts in their everyday lives and as a foundation for many other fields of study.					
[Course schedule and contents]					
Main Topics: 1. Introduction to biochemistry, an evolving science 2. Genomes, DNA and DNA replication 3. Genes and gene expression 4. RNA: Life's Indispensable Molecule 5. Protein composition and structure 6. Exploring DNA and RNA 7. Exploring proteins 8. Introduction to enzymes 9. Carbohydrates 10. Lipids and cell membranes 11. Introduction to metabolism 12. Glycolysis 13. Citric acid cycle 14. Oxidative phosphorylation 15. Final examination 16. Feedback discussions  (the above subjects will be taught in 14 classes + examination + feedback)					
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Continue to Introduction to Biochemistry-E2(2)					

<b>Introduction to Biochemistry-E2(2)</b>					
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<b>[Course requirements]</b>					
None					
<b>[Evaluation methods and policy]</b>					
Evaluation will be based on active participation (~25 %), mid-course tests (~30 %), assignments (~5%) and a final examination (~40 %)					
<b>[Textbooks]</b>					
Alberts; Walter; etc 『Molecular Biology of the Cell』 ( Garland Science ) ISBN:978-0815344537 Denise R. Ferrier 『Biochemistry (Lippincott's Illustrated Reviews Series)』 ( Lippincott Williams & Wilkins ) ISBN:978-1496344496					
<b>[References, etc.]</b>					
( Reference book )					
Introduced during class					
<b>[Study outside of class (preparation and review)]</b>					
*Full lecture slides and additional video clips will be provided. It is expected that students will have read and watched through the slides and clips at least once before class to familiarize themselves with the contents. During the lecture, active discussion and participation (e.g. by a series of Q&A) will ensure a greater understanding of the basic concepts. Finally, a private review of the slides immediately after the lecture will ensure a full and solid understanding of the lecture concepts. *The course is associated with a series of small-group, weekly seminars that will help students obtain a deeper understanding of the basic concepts					
<b>[Other information (office hours, etc.)]</b>					
*The course is presented as a series of engaging and active lectures with presentations (by the teacher), videos and discussion. *We run an open door policy; questions and discussions will be happily addressed anytime, even outside the official office hour.					

**Lecture code: T063001 for Wed.5**  
**T063006 for Tue.5**

Course number		U-LAS30 20042 SE11			
Course title (and course title in English)	Programming Practice (Python) -E2 Programming Practice (Python) -E2			Instructor's name, job title, and department of affiliation	Graduate School of Informatics Program-Specific Associate Professor,SEO Stela Hanbyeol
Group	Informatics		Field(Classification)	(Issues)	
Language of instruction	English		Old group		Number of credits 2
Number of weekly time blocks	1	Class style	Seminar (Face-to-face course)		Year/semesters 2025 • Second semester
Days and periods	Tue.5/Wed.5		Target year	All students	Eligible students For all majors
[Overview and purpose of the course]					
This course is an introduction to the programming practice in Python, for students without prior programming experience. In this course, students learn how to write simple Python scripts, understand programming practices, and study common programming designs. At the end of the course, they would have a programmer mindset to write good code and basic programming skills in Python. As Python is widely used in many fields including academia and has a large collection of high-quality libraries, students may find their programming skills in Python useful for the rest of their academic years and possibly for their career in the future.					
[Course objectives]					
In this course, students will first learn the syntax of the Python language and the structure of a Python program. Then, they will learn to use some of the standard data structures provided by the Python language and some of its popular libraries. Finally, students will train in designing, writing, and testing their own programs. After attending the course, students should be able to: <ul style="list-style-type: none"><li>• Understand and modify existing simple programs.</li><li>• Design, implement, and test their own simple programs.</li><li>• Design, implement, and test their own simple graphical interfaces.</li></ul>					
[Course schedule and contents]					
Introduction (1 session) <ul style="list-style-type: none"><li>• Computer hardware and programming languages,</li><li>• Python in today ' s programming landscape,</li><li>• Example of real-world Python use.</li></ul> Part 1: Learning Python and Programming Practices (10 sessions) In this part, students will learn the fundamentals of the Python programming language by studying small example programs and completing simple programming tasks. For each topic, when applicable, we discuss common programming practices. The presentation will include the following topics: <ul style="list-style-type: none"><li>• Discover Python using the interactive mode</li><li>• Running a Python script</li><li>• Numeric data and Boolean</li><li>• Naming and comments</li><li>• Control structures</li></ul>					
----- Continue to Programming Practice (Python) -E2(2)					

<b>Programming Practice (Python) -E2(2)</b>					
<ul style="list-style-type: none"> <li>• Data structures (list, dictionary, string)</li> <li>• Object oriented programming with Python</li> <li>• Input and Output</li> <li>• Error handling</li> <li>• Using Python modules</li> <li>• Graphical User Interface (GUI) for Python</li> <li>• Scientific computation with Python</li> </ul>					
Part 2: Programming Exercise (3 sessions) The goal is to put in application the knowledge acquired in part 1 and experience real-world software development challenges. The students will have to: <ul style="list-style-type: none"> <li>• Propose a solution,</li> <li>• Implement the solution,</li> <li>• Test the solution.</li> </ul>					
The schedule and contents are subject to change based on class progress.					
Total 14 classes and one feedback class.					
<b>[Course requirements]</b>					
For this course, no prior programming experience is required. Sample programs will be provided as needed. For practicality, some may contain mathematical concepts and calculations, while there are no explanations for mathematical foundations.  Students must bring their own computer to participate in this course (BYOD). The course will be using Python 3, available for free on any recent versions of the main operating systems (Windows, Mac, or Linux). Installation is straight-forward; if needed, the instructor will provide extra help to students.					
<b>[Evaluation methods and policy]</b>					
The evaluation will be based on: <ol style="list-style-type: none"> <li>1. An assignment given during part 1 (50%)</li> <li>2. A final programming task done during part 2 (50%).</li> </ol> The notation criteria will be explained during the classes.					
<b>[Textbooks]</b>					
Not used					
<b>[References, etc.]</b>					
( Reference book ) For an application-oriented presentation, you can see [1] for an in-depth presentation you can refer to [2]. There are many on-line resources about Python, check the official Python website ( <a href="https://www.python.org/">https://www.python.org/</a> ).  [1] Al Sweigart, Automate the Boring Stuff with Python, 2nd edition, (No Starch Press) ISBN: 978-1593279929 (Python3) [2] Mark Lutz, Programming Python, 5th Edition, (O'Reilly Media, Inc.) ISBN: 9781449398712 (Python2 & Python3)					
Continue to Programming Practice (Python) -E2(3)					

<b>Programming Practice (Python) -E2(3)</b>
<div> ( Related URL ) </div> <div> <a href="https://www.python.org/">https://www.python.org/</a>(Python Software Foundation) </div>
<b>[Study outside of class (preparation and review)]</b>
<p>Students are expected to review the class material during the delivery week to follow the course materials. Students who cannot complete the tasks given during a class should complete them before the next class to follow the course materials.</p>
<b>[Other information (office hours, etc.)]</b>
<p>There are no specific office hours. Students can send emails to communicate with the instructor regarding their assignments, questions, and other inquiries.</p>

**Lecture code: T067001**

Course number		U-LAS30 20046 LE10					
Course title (and course title in English)	Multimodal AI: Unifying Vision, Language and Audio-E2			Instructor's name, job title, and department of affiliation	Graduate School of Informatics Program-Specific Associate Professor,LALA, Divesh Kanu		
	Multimodal AI: Unifying Vision, Language and Audio-E2						
Group	Informatics		Field(Classification)		(Issues)		
Language of instruction	English		Old group	Group B		Number of credits	2
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters	2025 • Second semester	
Days and periods	Thu.3		Target year	All students		Eligible students	For all majors
[Overview and purpose of the course]							
<p>The development of powerful models such as ChatGPT and speech recognition has meant AI now exhibits more human-like intelligence. However, machines also need to take into account all of the human senses including sight, sound and even touch. In this course, students will gain an understanding of important AI models currently being used in the fields of vision, speech and language. We then discuss how we can take two or more of these fields and combine them to create multimodal models. There will also be the opportunity to practically test these AI models and understand where they work and what needs to be improved.</p>							
[Course objectives]							
<p>Students will gain an understanding of machine learning techniques and architectures and also how to construct basic models. They will also know how to properly evaluate AI models using real data.</p>							
[Course schedule and contents]]							
<p>1. Introduction to modelling (1 week)</p> <p>Recent AI models have been responsible for many technological breakthroughs. How does a machine use a model to extract data and process it intelligently? We discuss how AI models possess human capabilities to process and understand real-world data.</p>							
<p>2. Overview of computer vision, language and speech (3 weeks)</p> <p>We review the historical techniques and important models in the domains of vision, speech and language. Students should understand the fundamental concepts behind the models and what the current challenges are in these fields.</p>							
<p>3. Introduction to modelling (2 weeks)</p> <p>Basic construction of AI models will be discussed, with the focus on neural networks as they are responsible for much of the state-of-the-art AI which is used today. Students will be able to see some of these models in action.</p>							
<p>4. Transformer models (2 weeks)</p> <p>AI has been largely improved through the concept of transformer models. An overview of this architecture will be provided to understand what makes it such a powerful technique that has been adapted to many AI applications.</p>							
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Continue to Multimodal AI: Unifying Vision, Language and Audio-E2(2)							

Multimodal AI: Unifying Vision, Language and Audio-E2(2)					
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5. Multimodal models and techniques (3 weeks) In these lectures introduce the concept of combining different data streams, known as multimodality. What situations do we need it and why can it further improve AI models? We take a look at techniques for creating multimodal models which can combine two or more of vision, speech and language. Topics include multimodal representation and fusion.					
6. Multimodal interaction (3 weeks) Interaction between humans and computers or robots will be discussed as multimodal interaction can greatly improve the interaction experience. User interfaces and human-agent conversation will be emphasized. Students will also have the opportunity to create their own models or system and evaluate the results.					
7. Feedback (1 week)					
<b>[Course requirements]</b>					
None					
<b>[Evaluation methods and policy]</b>					
Attendance and participation (30%), exercises (50%) and a final report (20%).					
<b>[Textbooks]</b>					
Handouts					
<b>[Study outside of class (preparation and review)]</b>					
Students should aim to review course content for 30 minutes before and after class and try to read fundamental papers which will be presented during classes.					
<b>[Other information (office hours, etc.)]</b>					

**Lecture code: Z002053**

Course number		U-LAS70 10002 SE50				
Course title (and course title in English)	ILAS Seminar-E2 :Wonders of magnets ( 磁石のふしぎ ) ILAS Seminar-E2 :Wonders of magnets		Instructor's name, job title, and department of affiliation		Graduate School of Engineering Associate Professor,Jorge Luis Puebla Nunez	
Group	Seminars in Liberal Arts and Sciences		Number of credits	2	Number of weekly time blocks	1
Class style	Seminar (Face-to-face course)	Year/semesters	2025・Second semester		Quota (Freshman)	15 (15)
Target year	1st year students	Eligible students	For all majors		Days and periods	Thu.5
Classroom	Seminar room 23, ILAS Bldg.				Language of instruction	English
Keyword	Magnet					
[Overview and purpose of the course]						
Magnets are old and simultaneously new materials, which play a central role in modern society. The purpose of the seminar is to know basic of magnets and magnetic devices.						
[Course objectives]						
Understanding attractiveness of magnets and magnetism						
[Course schedule and contents]						
Overview and history of magnetism (1 Week) Basics of magnetic materials (3 weeks) - Ferromagnets - Antiferromagnets - Ferrimagnets Working principles of magnetic devices (4 weeks) - Magnetoresistance - Magnetic valves - Magnetic memories Fabrication process of magnetic devices (2 weeks) - Device architecture - Fabrication techniques Principles of devices based on magnetic dynamics (3 weeks) - Magnetic resonance - Spin pumping - Spin torques Incoming magnetic devices (2 weeks) - Ongoing research trends Summary (1 week) - Take home messages						
----- Continue to ILAS Seminar-E2 :Wonders of magnets ( 磁石のふしぎ ) (2)						

ILAS Seminar-E2 :Wonders of magnets ( 磁石のふしぎ ) (2)
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<b>[Course requirements]</b>
None
<b>[Evaluation methods and policy]</b>
Evaluation will be based on participation (30%), discussion (30%), and short presentations (40%).
<b>[Textbooks]</b>
Not used
<b>[References, etc.]</b>
( Reference book ) Introduced during class
<b>[Study outside of class (preparation and review)]</b>
Review of the contents is recommended.
<b>[Other information (office hours, etc.)]</b>