

Integrated Japanese 2			
Undergraduate / Graduate	Undergraduate	Registration Code	2a: 0051121 2b :0051122
Course Category	Basic GE, Language I	Credits	3.0
Term (Semester) / Day / Period	G- II (1st year, Spring Semester) / Mon., Wed. & Thu. / 1 (8:45~10:15)		
Instructor	2a: TOKUHIRO Yasuyo 2b: TANAKA Noriko, ITO Kanna		
Contact e-mail of the Instructor	tokuhiro@iee.nagoya-u.ac.jp		
<p>●Goals of the Course This course aims to provide a basic knowledge of Japanese which will enable students to function effectively in everyday life.</p> <p>●Objectives of the Course Students will earn comprehensive Japanese, necessary to live both on and off campus.</p> <p>●Course Content or Plan ①Each lesson will cover grammar, expressions and vocabulary learned in Integrated Japanese 2 and practiced in short skits. Reading and writing are also covered. A short test will be given each day. ②Students are required to read textbooks (especially "Elementary Japanese 2 DAICHI Translation of the Main Text and Grammar Notes") as preparation for each lesson.</p> <p>●Course Prerequisites and Related Courses Prerequisite subjects for this course are Integrated Japanese 1 and Japanese Language Seminar (Communication) 1. Those who register for this course should also register for the Japanese Language Seminar (Communication) 2 in the same semester.</p> <p>●Course Evaluation Method and Criteria Attendance 30%, Class Participation 30%, Mid-term Examination and Final examination 40% Students must maintain course attendance rates of 80% or higher and are required to take mid-term and final examination. Those who fail to meet these requirements will not earn credits. In general, in the case of absence, make-up tests and examinations will not be possible (except in the case of extenuating circumstances). Three late arrivals or early departures of 15 minutes or more will be regarded as a one-lesson absence. Students are not permitted to withdraw from this course for any reason after the registration.</p> <p>●Study Load (Self-directed Learning Outside Course Hours) Homework is required every day.</p> <p>●How to Respond to Questions Respond to questions by email or during class.</p> <p>●Notice for Students Those who register for Integrated Japanese 2a should also register for the Japanese Language Seminar 2a in the same semester. Those who register for Integrated Japanese 2b should also register for the Japanese Language Seminar 2b in the same semester.</p>			
Textbook	1. 『日本語初級2 大地 メインテキスト』 スリーエーネットワーク 2,800 円+税 "Elementary Japanese 2 DAICHI Main Text" by 3A Corporation, ISBN978-4-88319-507-7 2. 『日本語初級2 大地 文型説明と翻訳<英語版>』 スリーエーネットワーク "Elementary Japanese 2 DAICHI Translation of the Main Text and Grammar Notes" by 3A Corporation, ISBN978-4-88319-521-3 2,000 円+税 3. 『日本語初級2 大地 基礎問題集』 スリーエーネットワーク 900 円+税 "Elementary Japanese 2 DAICHI Workbook" by 3A Corporation, ISBN978-4-88319-524-4 4. 『Write Now! Kanji for Beginners』 スリーエーネットワーク 1,900 円+税 "Write Now! Kanji for Beginners" by 3A Corporation, ISBN978-4-88319-404-9		
Reference Book	E-book: 『日本語初級 1 大地 文型説明と翻訳<英語版>』 スリーエーネットワーク "Elementary Japanese 1 DAICHI Translation of the Main Text and Grammar Notes" by 3A Corporation, ISBN 9784883194773 2,200 円+税		

Basic Mathematics			
Undergraduate / Graduate	Undergraduate	Registration Code	0051321
Course Category	Sciences Basic	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Mon./ 3 (13:00~14:30)		
Instructor	DARPOE Erik Olof		
Contact e-mail of the Instructor	darpo@math.nagoya-u.ac.jp		
<p>●Goals of the Course Science Basic: Courses designed to promote an understanding of the study of natural sciences and to foster independent decision-making capabilities.</p> <p>●Objectives of the Course The objective of this course is to review mathematical concepts and techniques that are frequently used in economics and social sciences.</p> <p>●Course Content or Plan</p> <ol style="list-style-type: none"> 1. Lines and their slopes 2. Sets, equations, absolute values 3. Functions and their graphs 4. Combinations of functions 5. Transformations of functions 6. Quadratic functions 7. Polynomial functions 8. Exponential functions 9. Logarithmic functions 10. Systems of equations and inequalities 11. Linear systems, vectors and matrices 12. Derivatives 13. Extremal value problems <p>●Course Prerequisites and Related Courses No formal prerequisites. Basic skills in manipulating algebraic expressions, solving equations etc. will be helpful.</p> <p>●Course Evaluation Method and Criteria The examination consists of homework (20% of the total score) and a final exam (80%). <i>Course withdrawal:</i> Any student who does not participate in the final exam will get the grade <i>W</i>. It is not necessary to hand in a course withdrawal request.</p> <p>●Study Load (Self-directed Learning Outside Course Hours) Participants are expected to watch the lecture videos (ca 90 minutes per week) in advance of each class, and to solve homework assignments.</p> <p>●How to Respond to Questions The instructor will be available to answer questions in class, or for individual appointments (face-to-face or online) on demand.</p>			
Textbook	Rhonda, Huettenmueller: <i>Pre-calculus demystified</i> , second edition McGraw-Hill Education; 2 edition (2012) ISBN-13: 978-0071778497		
Reference Book	<ul style="list-style-type: none"> • Seymour Lipschutz: Schaum's outline of set theory and related topics, 2nd edition, McGraw-Hill, 1998; • Otto Bretscher: Linear Algebra with Applications, 4th edition, Pearson 2009; • Serge Lang: Short calculus, Springer-Verlag, New York, 2002. 		

Laboratory in Biology A			
Undergraduate / Graduate	Undergraduate	Registration Code	0011471
Course Category	Sciences Basic	Credits	1.5
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Mon./4 (14:45~16:15) & 5(16:30~18:00)		
Instructor	TAKAHASHI Hirokazu		
Contact e-mail of the Instructor	hiro_t@agr.nagoya-u.ac.jp		
<p>●Goals of the Course The purpose of this course is to recognize the academic system of the natural sciences and to cultivate the ability to make independent judgments. Students will conduct a variety of experiments and observations using a variety of organisms, including animals, plants, and microorganisms, in order to understand the characteristics of each.</p> <p>●Objectives of the Course Students will learn how to handle organisms, observe organisms, and operate observation equipment. They will also learn how to observe the structure and function of organisms through observation with the naked eye, microscopic observation, dissection of animals and plants, and vegetation surveys on campus.</p> <p>●Course Content or Plan 1-1-1 Tree Identification 1-1-2 Interspecific comparison of tree leaves 1-1-3 Tree census 1 1-1-4 Tree census 2 (Analyses of tree census data) 1-2-1 Morphology of Plant 1 (Plant tissue systems and their cellular structures) 1-2-2 Morphology of Plant 2 (Leaf Surface Structure) 1-2-3 Morphology of Plant 3 (Structure of seedlings) 1-2-4 Protein Electrophoresis (SDS-Polyacrylamide Gel Electrophoresis) 1-3-1 Morphology of Animals 1 (Dissection of the goldfish) 1-3-2 Morphology of Animals 2 (Observation of Animal Tissue Sections) 1-3-3 Vertebrate Hormones (Regulation of metamorphosis in the African clawed frog larvae) 1-3-4 Morphology of Aves (Anatomy of the digestive system and urogenital system of the quail)</p> <p>●Course Prerequisites and Related Courses Fundamentals of Biology I and II</p> <p>●Course Evaluation Method and Criteria Grading will be based on attendance, lab reports, and assessment of performance in the lab. The course withdrawal system is adopted. Students can withdraw from this course by submitting a request by the end of May</p> <p>●Study Load (Self-directed Learning Outside Course Hours) Nothing</p> <p>●How to Respond to Questions We will be respond to the question in the class or using NUCT.</p>			
Textbook	An original textbook will be distributed in the class.		
Reference Book	Will be introduced in the class.		

First Year Seminar B			
Undergraduate / Graduate	Undergraduate	Registration Code	0051521
Course Category	Basic GE, 1Y Seminar	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Mon. / 5 (16:30~18:00)		
Instructor	OGAWA Shota		
Contact e-mail of the Instructor	sogawa@nagoya-u.jp		
<p>●Theme of First Year Seminar This course introduces students to contemporary topics in cinema studies, notably at the intersection of globalization, cinema, and cultural criticism. Through exercises, discussions, and essays, the course will also assist students to improve their skills in writing, reading, and speaking in academic contexts (in the humanities), and to foster critical communication skills (which include the skills to ask hard questions and to express disagreement). By the end of the course, students will have acquired the skills and the habit of “close reading” films (primary source) as well as critical essays (secondary source). The course assigns two sets of reading materials (on methodology and on assigned films). Students are expected to take notes during film screenings, and to prepare for each class with discussion questions.</p>			
<p>●Goals of the Course Students in this class will develop basic skills in academic composition, critical reading, and exchanging ideas with their peers through a diverse set of assignments such as short essays, critical reports, presentations, and reading responses (annotated bibliography).</p>			
<p>●Objectives of the Course This course offers a practice ground for students to turn embodied, personal, immediate aesthetic experiences into structured academic writings and presentations. Written assignments include a review article, a critical essay, and a term paper.</p>			
<p>●Course Content or Plan Week 1: Course Orientation Week 2: Reading Movies Week 3: Movies as Primary Sources / film viewing Week 4: Discuss: Themes and Narratives / Movie Review due / Library Orientation Presentation Week 5: Reading Movies through a Global Lens / film viewing Week 6: Discuss: Mise-en-scene / Critical Essay due Week 7: Scene Analysis / film viewing Week 8: Student Presentation Week 9: Contemporary filmmakers Week 10: Finding Sources / Proposal due Week 11: Summarizing Sources/ film viewing Week 12: Discuss: POV / Annotated bibliography due Week 13: Exploring and Condensing Arguments / film viewing Week 14: Peer Review Week 15: Final Presentations / Term paper due</p>			
<p>●Course Prerequisites and Related Courses Basic Seminar A</p>			
<p>●Course Evaluation Method and Criteria The final grade for the course will be determined by the accumulated points in the following categories: attendance and discussion participation 30%; Paper 1 (Movie Review) 10%; Paper 2 (Critical Essay) 15%; Presentation 1 10%; Presentation 2 10%; Annotated Bibliography 5%; Final Paper 20%. Letter grade conversion: 94-100=A+; 80-93=A; 70-79=B; 60-69=C; 0-59=F</p>			

Students need to notify the instructor in order to withdraw from the course. Being absent from more than 5 class meetings (including film viewing sessions) or receiving an overall evaluation of 59% or lower will result in a “F” grade unless you withdraw with a notification.

•Study Load (Self-directed Learning Outside Course Hours)

In addition to the class duration (90 minutes), students should expect to spend an average of three hours on covering assigned readings, taking notes, finishing any outstanding viewing exercises, and completing assignments.

•How to Respond to Questions

Students are encouraged to email the instructor and the TA for any questions. Most questions will be answered in emails within three days.

Textbook	There is no single textbook for this course. Students will be given a list of readings materials in the first week of class.
Reference Book	Each student will build a list of reference books throughout the course.

Japanese Language Seminar (Communication) 2

Undergraduate / Graduate	Undergraduate	Registration Code	2a: 0052122 2b: 0052121
Course Category	Basic GE, Language I	Credits	3.0
Term (Semester) / Day / Period	G- II (1st year, Spring Semester) / Tue. & Fri. / 1 (8:45~10:15)		
Instructor	2a: TANAKA Noriko, ITO Noriko 2b: TOKUHIRO Yasuyo		
Contact e-mail of the Instructor	tokuhiro@iee.nagoya-u.ac.jp		

●Goals of the Course

This course aims to provide a basic knowledge of Japanese which will enable students to function effectively in everyday life. It emphasizes oral practice utilizing the material students learned in Integrated Japanese 2. This course also covers the reading and writing of simple sentences. The textbooks are the same as Integrated Japanese 2.

●Objectives of the Course

Students will earn a basic knowledge of Japanese which will enable to function effectively in everyday life.

●Course Content or Plan

- ① Each lesson will cover grammar, expressions and vocabulary learned in Integrated Japanese 2 and practiced in short skits. Reading and writing are also covered. A short test will be given each day.
- ② Students are required to read textbooks (especially "Elementary Japanese 2 DAICHI Translation of the Main Text and Grammar Notes") as preparation for each lesson.

●Course Prerequisites and Related Courses

The prerequisite subjects for this course are Integrated Japanese 1 and Japanese Language Seminar 1. Those who register for this course should also register for Integrated Japanese 2 in the same semester.

●Course Evaluation Method and Criteria

Attendance 30%, Class Participation 30%, Mid-term Examination and Final examination 40%

Students must maintain course attendance rates of 80% or higher and are required to take mid-term and final examination. Those who fail to meet these requirements will not earn credits. In general, in the case of absence, make-up tests and examinations will not be possible (except in the case of extenuating circumstances). Three late arrivals or early departures of 15 minutes or more will be regarded as a one-lesson absence.

Students are not permitted to withdraw from this course for any reason after the registration.

●Study Load (Self-directed Learning Outside Course Hours)

Homework is required every day.

●How to Respond to Questions

Respond to questions by email or during class.

●Notice for Students

Those who register for Japanese Language Seminar 2a should also register for the Integrated Japanese 2a in the same semester.

Those who register for Japanese Language Seminar 2b should also register for the Integrated Japanese 2b in the same semester.

Textbook	<ol style="list-style-type: none"> 1. 『日本語初級2 大地 メインテキスト』 スリーエーネットワーク 2,800 円＋税 "Elementary Japanese 2 DAICHI Main Text" by 3A Corporation, ISBN978-4-88319-507-7 2. 『日本語初級2 大地 文型説明と翻訳<英語版>』 スリーエーネットワーク "Elementary Japanese 2 DAICHI Translation of the Main Text and Grammar Notes" by 3A Corporation, ISBN978-4-88319-521-3 2,000 円＋税 3. 『日本語初級2 大地 基礎問題集』 スリーエーネットワーク 900 円＋税 "Elementary Japanese 2 DAICHI Workbook" by 3A Corporation, ISBN978-4-88319-524-4 4. 『Write Now! Kanji for Beginners』 スリーエーネットワーク 1,900 円＋税 "Write Now! Kanji for Beginners" by 3A Corporation, ISBN978-4-88319-404-9
Reference Book	E-book: 『日本語初級 1 大地 文型説明と翻訳<英語版>』 スリーエーネットワーク "Elementary Japanese 1 DAICHI Translation of the Main Text and Grammar Notes" by 3A Corporation, ISBN 9784883194773 2,200 円＋税

Linear Algebra II			
Undergraduate / Graduate	Undergraduate	Registration Code	0052221
Course Category	Sciences Basic	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Tue. / 2 (10:30~12:00)		
Instructor	BACHMANN Henrik		
Contact e-mail of the Instructor	henrik.bachmann@math.nagoya-u.ac.jp		
<p>All information on this course will be available on the course page: https://www.henrikbachmann.com/la2_2022.html</p> <p>●Goals of the Course Linearity is one of the most fundamental concepts for the handling of quantities in current natural science. Indispensable in quantum mechanics and relativity, machine learning, engineering, etc., its use has spread across all branches of natural science and beyond. The second half of this one-year course focuses on advanced concepts of Linear algebra, such as the notion of a (real) vector space, determinants, eigenvalues and eigenvectors. Its purpose is to give a deeper and broader understanding of the mathematical theory of linearity, as well as increased proficiency in mathematical reasoning and proof techniques. Later in the course we will try to bring explicit applications of the concepts taught in this course.</p> <p>●Objectives of the Course We will begin by generalizing the results from Linear Algebra I and make everything a bit more abstract. This will allow us to apply results from Linear Algebra I to not only vectors, but also, for example, functions. Especially the chapter on eigenvalues will have a lot of real-life applications.</p> <p>●Course Content or Plan Vector spaces, determinants and their applications, eigenvalues and eigenvectors, applications of eigenvalue theory, continuous dynamical systems, linear differential equations.</p> <p>●Course Prerequisites and Related Courses While not a formal requirement, Linear Algebra I is strongly recommended. Check https://www.henrikbachmann.com/la1_2021.html for the content of Linear Algebra I.</p> <p>●Course Evaluation Method and Criteria There will be two main, written exams: midterm and final. Additionally, there will be homework assignments and (just for fun) quizzes. <i>Course withdrawal:</i> Any student who does not participate in the final exam will receive the grade “Absent”. It is not necessary to submit a course withdrawal request form.</p> <p>●Study Load(Self-directed Learning Outside Course Hours) There will be a reference book and several online sources which can be used for additional self-study. The lectures are already recorded and available on YouTube. All information will be available before the course starts. The students will need to submit homework every 2-3 weeks and participate actively in class.</p> <p>●How to Respond to Questions You can always contact me via email or social media. Office hours can be provided face-to-face or via Zoom at any time. There will be a Facebook group for communication.</p>			
Textbook	None		
Reference Book	Otto Bretscher: <i>Linear Algebra with Applications</i> , fourth edition, Pearson		
Reference Website for this Course	https://www.henrikbachmann.com/la2_2022.html		

Academic English Advanced 2			
Undergraduate / Graduate	Undergraduate	Registration Code	0052321
Course Category	Basic GE, Language I	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Tue. / 3 (13:00~14:30)		
Instructor	WEEKS Mark Charles		
Contact e-mail of the Instructor	weeks.mark.charles.i9@f.mail.nagoya-u.ac.jp		
<p>●Goals of the Course The goal is to further develop students' academic abilities and foster the capacity to use English to explore and contribute to cultures and cross-cultural interaction internationally.</p> <p>●Objectives of the Course The course seeks to help student develop improved skills in researching, integrating and communicating information effectively in English at a suitable academic level. This involves the production of a presentation and research report on subjects of the students' choice under broadly prescribed themes.</p> <p>●Course Content or Plan In order to maximize English communication opportunities, students will often work in pairs or small groups (changing randomly with each lesson). Themes for discussion will be introduced through video and reading. The lecturer will deliver some short, interactive lectures.</p> <p>Here is a tentative week-by-week plan (There may be some change as the course progresses in response to our progress and interests.) 1 Introduction: greetings, student needs survey 2 Aims and types of research, research communication structure 3-6 About research presentations 7-10 Student presentations 11-14 Cultural research themes: models 15 Course review</p> <p>●Course Prerequisites and Related Courses None</p> <p>●Course Evaluation Method and Criteria Presentation 25% Research report 20% Writing test 20% Short homework exercises 5% Participation 30% * Students who wish to withdraw need to make a formal request to the instructor.</p> <p>●Study Load (Self-directed Learning Outside Course Hours) There is no formal e-learning program associated with this course. However, along with the major writing and presenting tasks, there will be occasional short exercises to be submitted.</p> <p>●How to Respond to Questions Feel free to contact Mark anytime at the above email address or mark@ilas.nagoya-u.ac.jp We can also arrange in-person or online meetings by appointment through the above email address.</p>			

●Notice for Students

In principle, the course will be conducted through in-person classroom classes, but this may be subject to change depending on health issues and university policy. Any students who are unable to join the class in person due to national border entry issues, will be accommodated through online learning. Let’s work together to make it a rewarding experience.

Students need the approval of the responsible instructors for course withdrawal.

●Message from the Instructor

These are uncertain times, so this course will attempt to create a stable learning environment that is nevertheless flexibly responsive to changing needs.

Textbook	None, all materials provided by the instructor.
Reference Book	Presentations guidebook, provided online by the instructor.

Laboratory in Biology B			
Undergraduate / Graduate	Undergraduate	Registration Code	0052371
Course Category	Sciences Basic	Credits	1.5
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) /Tue./ 3(13:00~14:30) & 4(14:45~16:15)		
Instructor	KOJIMA Seiji		
Contact e-mail of the Instructor	z47616a@cc.nagoya-u.ac.jp		
<p>●Goals of the Course The aim of the course is to gain a basic understanding of the structure and function of various living things through their observation by the naked eye or through a microscope, their dissection and by experimentation on them. The goal is also to learn how genes are related to structure and function, so you can understand the flow from classical biology, which had observation as its main objective, to modern biology, which pursues understanding on the molecular level.</p> <p>●Objectives of the Course In this training, you will learn how to handle animals, plants and microorganisms, how to observe them, and how to use instruments. You will cultivate the ability to operate biological experiments independently. Through the course, you will also get basic ideas underlying the modern biological studies.</p> <p>●Course Content or Plan 01) Guidance and safety education 02) Observation of plant cells 03) Plant shaping and response to gravity stimulation 04) Observation of the yeast cell cycle 05) Observation of cell division at the growth point of onion roots 06) Observation of nematodes: effects of genetic abnormalities on animal morphology and movement 07) Looking at the genome and thinking about the information content (Drosophila larval salivary gland chromosome observation) 08) Observing the feeding behavior of Drosophila: what food do you like? Hate? 09) Learn evolution and biodiversity from medaka 10) Learn properties of enzymes (alkaline phosphatase) 11) Comparative observation of human blood cells and epithelial cells 12) Measurement of cell osmotic pressure by plasma separation</p> <p>The contents and order may be changed. Depending on the Covid-19 situation, there is a possibility that the training will be switched from the in-person to either the remote via NUCT or in-person/remote hybrid form, at the beginning or in the middle of the course. Please keep checking announcement on NUCT.</p> <p>●Course Prerequisites and Related Courses In this training, experiments and observations on animals (medaka, fly, nematode), plants (onion, Arabidopsis), microorganisms (yeast), and collection and observation of oral epithelial cells or a few drops of blood are performed. This course is not recommended to those who are not able to perform the above experiments.</p> <p>●Course Evaluation Method and Criteria Attendance and report for each experiment. As a general rule, students will not be able to earn credits unless they are present and submit reports on all practical trainings by the deadline. If you attend three or more times, your grade will be "A+, A, B, C, C- or F" instead of "Absent." Students must submit a request of course withdrawal to the instructor (Seiji Kojima) by the end of May via NUCT lecture site.</p> <p>●Study Load (Self-directed Learning Outside Course Hours) Students are requested to submit lab reports and pencil sketches.</p> <p>●How to Respond to Questions Via NUCT (Message).</p>			

●Message from the Instructor

You can experience the observation of various living organisms under the microscope, and also perform biochemical experiments through this course. Let's enjoy biology!

Textbook

Original training books will be distributed.

Reference Book

Prints will be distributed as needed.

Political Studies			
Undergraduate / Graduate	Undergraduate	Registration Code	0052421
Course Category	Arts Basic	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Tue./ 4 (14:45~16:15)		
Instructor	GREEN David James		
Contact e-mail of the Instructor	david.green@law.nagoya-u.ac.jp		
<p>●Goals of the Course This course is intended to provide an introduction to the study of political science, looking at politics in the modern world and in the comparative perspective. Not only will this course provide some general organizing principles to students for understanding politics, but it will be useful in improving critical thinking and writing skills.</p> <p>●Objectives of the Course By the end of the course, students should obtain a basic understanding of organizing political principles, including types of political systems, classifications of political culture, predominant legal regimes and preeminent institutions.</p> <p>●Course Content or Plan Week 1 – course introduction Week 2 – political power, authority and the state Week 3 – political ideologies Week 4 – political culture Week 5 – political parties Week 6 – executive institutions Week 7 – interim summary and evaluation Week 8 – legislative institutions Week 9 – judicial institutions Week 10 – bureaucratic institutions Week 11 – interest groups Week 12 – electoral systems Week 13 – international organizations Week 14 – international political economy Week 15 – concluding summary and evaluation</p> <p>●Course Prerequisites and Related Courses Because this is an introductory course, no prerequisites are required. However, students should have a good command of the English language and come to class willing to discuss the week's topic.</p> <p>●Course Evaluation Method and Criteria Participation – 15% Essay – 25% Midterm exam – 30% Final exam – 30% Course withdrawal is possible up to one month after class starts or by special permission from the instructor. Please contact the instructor directly if you would like to withdraw from the course.</p> <p>●Study Load (Self-directed Learning Outside Course Hours) Please be sure to read the assigned readings ahead of class in order to prepare.</p> <p>●How to Respond to Questions Questions are accepted by email at any time.</p>			
Textbook	Caramani, Daniele (ed.). <i>Comparative Politics</i> , 4 th edition (2017): Oxford University Press. ISBN: 978-0198737421		
Reference Book	Additional references will be announced in class		

History			
Undergraduate/Graduate	Undergraduate	Registration Code	0052422
Course Category	Arts Basic	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Tue./ 4 (14:45~16:15)		
Instructor	GRUNOW Tristan robert		
Contact e-mail of the Instructor	Tristan.grunow@nagoya-u.jp		
<p>●Goals of the Course Students will become familiar with key developments in the history of modern Japan, East Asia, and the Pacific World.</p> <p>●Objectives of the Course By the end of the course, students will:</p> <ol style="list-style-type: none"> 1) Acquire a new understanding of how past events continue to shape our present world. 2) Develop critical research skills to locate and analyze information and effectively communicate complex ideas and historical topics. 3) Demonstrate skills through in-class discussions and presentations. <p>●Course Content or Plan Each week will focus on one secondary reading and several primary sources (a mix of documentary and audiovisual materials). Each student will be responsible for analyzing and presenting at least five primary sources during the term. Students will additionally prepare an extended primary source analysis (≈10-15 minutes) to present in the final weeks in lieu of a paper/exam. Suggestions will be provided, but students are encouraged to find their own sources.</p> <p>●Course Prerequisites and Related Courses None</p> <p>●Course Evaluation Method and Criteria 50% Primary source evaluations (10%×5) 25% Presentation 25% Participation</p> <p>Students need not submit a withdrawal form to drop. Students with insufficient attendance will be marked W (Absent).</p> <p>●Study Load (Self-directed Learning Outside Course Hours) Students should come to class having completed assigned readings, taken notes, and ready to discuss.</p> <p>●How to Respond to Questions E-mail instructor for any questions.</p>			
Textbook	All materials provided by instructor		
Reference Book	All materials provided by instructor		

Immigration in Japan: A Socio-legal Perspective

Undergraduate / Graduate	Undergraduate	Registration Code	0052423
Course Category	Open	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Tue / 4 (14:45~16:15)		
Instructor	ISHIKAWA CLAUDIA		
Contact e-mail of the Instructor	k46189a@cc.nagoya-u.ac.jp		

●Goals of the Course

This course aims to analyse the legal and social status of foreign nationals in Japan, focusing in particular on immigration policy. Whilst Japan provides the setting, students are encouraged to draw comparisons with situations in their home countries. They will not only acquire a deeper understanding of international society; but are also expected to enhance their communication skills through discussion and presentations.

●Objectives of the Course

The objective of this course is to nurture global awareness; students will acquire an understanding of social issues from an international perspective.

●Course Content or Plan

"This course aims to analyse the legal and social status of foreign nationals in Japan. It focuses on the immigration law framework, immigration policy, rights and protections afforded under domestic laws, and prospective developments pertaining to entry and residence. Time will also be devoted to discussing anti-terrorism and security measures, international marriage and families, as well as Japanese perceptions of foreigners.

Topics to be covered include:

1. Citizenship in Japan
2. Japan's Immigration Framework I: A Short History
3. Japan's Immigration Framework II: Relevant Laws and Ordinances
4. Assessment of Current Immigration Policy Developments
5. Composition of Foreign Nationals in Japan
6. Foreign Workers
7. Japan's Refugee Policy
8. Foreign Nationals' Civil and Political Rights under Domestic Law
9. Foreign Nationals' Social and Economic Rights under Domestic Law
10. Crime, Terrorism, and Security Measures
11. International Marriage and Families
12. Japanese Perception of Foreigners"

●Course Prerequisites and Related Courses

Students must possess the requisite English language ability to comprehend the course readings, participate in discussions, and give a presentation. Non-native English speakers should possess TOEFL iBT 70, IELTS 5.5, or TOEIC 730 at the minimum.

●Course Evaluation Method and Criteria

- 1) Participation: 20%
- 2) Presentation: 30% (Students will be asked to give presentations (approximately 20 minutes) in groups on a subject relevant to the topic covered in the week in which the presentation is scheduled.)
- 3) Essay (1,500-2,000 words, if written in English; 3,000-4,000 characters, if written in Japanese): 50%.

Course withdrawal procedures: Students wishing to withdraw from the course are required to contact the course co-ordinator [via e-mail](mailto:k46189a@cc.nagoya-u.ac.jp) no later than May 31, 2022. Failure to complete the requisite assignments after this date may result in an 'F' grade.

●Study Load (Self-directed Learning Outside Course Hours)

Students will be expected to prepare for each class in advance by, for example, reading prescribed texts and gathering information. Additionally, they will be required to work towards their presentations and essays.

●How to Respond to Questions

The course instructor is happy to talk to students in person (Room 205, International Centre), via e-mail (k46189a@cc.nagoya-u.ac.jp) or via zoom.

●Notice for Students

As not all prospective participants will be able to enter Japan, it is highly likely that at least the first part of this course will be taught in an online format, using zoom. Students interested in registering for the course, should contact me via e-mail before the first class on April 12 to be informed of the zoom meeting place.

●Message from the Instructor

This class is of mixed composition; participants may include NUPACE, G30, and Japanese students at various levels of their academic studies. Everyone is welcome!

Textbook	Not applicable.
Reference Book	Readings will be announced, distributed to students or uploaded on the relevant platform on a weekly basis.
Reference website for this Course	Not applicable

Fundamentals of Earth Science II			
Undergraduate / Graduate	Undergraduate	Registration Code	0052521
Course Category	Sciences Basic	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Tue. / 5 (16:30~18:00)		
Instructor	HUMBLET Marc Andre		
Contact e-mail of the Instructor	humblet.marc.n3@f.mail.nagoya-u.ac.jp		
<p>●Goals of the Course This course explores the interactions between humanity and the Earth system. The Earth is a dynamic planet where the evolution of the environment and that of life are closely related. Human societies are profoundly influenced by climate change and geologic events such as volcanic eruptions and earthquakes. Today the growing human population and its use of natural resources are affecting the environment on a global scale to an extent never attained before. This course is intended to introduce some of the most important problematics arising from our interactions with planet Earth.</p> <p>●Objectives of the Course By taking this course students will acquire a basic knowledge of volcanology and seismology, past and present climate change, and the nature and use of geologic resources. Learning about the interactions between humanity and the Earth system is needed to use Earth's limited natural resources in a sustainable manner, minimize the risks of natural hazards, and envisage a safe future for us all. Students will also have the opportunity to explore further a topic of their choice, and share what they have learned with their classmates.</p> <p>●Course Content or Plan</p> <ol style="list-style-type: none"> 1. Introduction – review of plate tectonics 2. Volcanoes 3. Seismology I: The nature of earthquakes and their effects 4. Seismology II: Reconstruction of Earth's interior based on the behavior and detection of seismic waves 5. Biogeochemical cycles I: The Water Cycle 6. Biogeochemical cycles II: The Carbon Cycle 7. Climate I: Introduction to the Climate System 8. Climate II: Natural Variations at geologic timescales 9. Climate III: Recent Global Change 10. Nature and use of geologic resources <p>●Course Prerequisites and Related Courses There is no prerequisite for this course. This course is most closely related to Fundamentals of Earth Science I.</p> <p>●Course Evaluation Method and Criteria Quizzes: 60% Written essay: 30% Oral presentation: 10%</p> <p>Students who enrolled in 2020 will be graded using the six-step A+, A, B, C, C-, and F grade evaluation system (A+: 100-95%, A: 94-80%, B: 79-70%, C: 69-65%, C-: 64-60%, F: 59 % or less).</p> <p>Students who enrolled in 2019 or before will be graded following the five-step S-A-B-C-F grade evaluation system (S: 90-100%, A: 80-89%, B: 70-79%, C:60-69%, F: 59-0%).</p> <p>A student will be given an “Absent” grade if he or she submits a Course Withdrawal Request by the end of May. This deadline does not apply to students who drop the class part-way through for an exceptional reason (e.g., illness, accident). Also, NUPACE students should check the deadline set by the NUPACE program for course withdrawal.</p> <p>The quizzes cover the material learned in class and explained in notes and slides provided during each lecture. The files of the notes and PPT slides are uploaded every week on NUCT.</p>			

The grading scheme of the essay is explained during the first lecture of the course. Each student gives a presentation on the subject of their essay at the end of the semester.

●Study Load (Self-directed Learning Outside Course Hours)

Students should acquire a good understanding of the course content to be able to answer the questions of the quizzes. Students are also required to write a review paper on a subject of their choice related to the course content. Students therefore need to search for information related to this subject and to summarize that information in a clear, organized, and concise manner. The topic of the review paper is also the subject of an oral presentation that each student gives at the end of the semester.

●How to Respond to Questions

Live lectures will be organized (in class or online or both), and students are strongly encouraged to ask questions during the lectures. Students can also contact me by e-mail or meet me in person in my office. NUCT will be used as another way of communication, to share files and send messages.

Textbook	There is no required textbook for this course. Please refer to the recommended reading below for an additional source of information.
Reference Book	Title: Understanding Earth Authors: John Grotzinger & Thomas H. Jordan Publisher: W. H. Freeman Issue year: 2014 (7th edition) ISBN: 978-1464138744

Fundamentals of Physics III			
Undergraduate / Graduate	Undergraduate	Registration Code	0053221
Course Category	Sciences Basic	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Wed. / 2 (10:30~12:00)		
Instructor	GELLOZ Bernard Jacques		
Contact e-mail of the Instructor	bernard.gelloz.s6@f.mail.nagoya-u.ac.jp		
<p>●Goals of the Course This is the third and last of a series of courses that cover the Fundamentals of Physics, introducing the concepts and laws of electricity and magnetism. Electricity and magnetism are important for understanding nature and are essential in science and engineering.</p> <p>●Objectives of the Course Students learn the fundamentals of electricity and magnetism and its mathematical descriptions and will be able to solve a range of problems in electricity and magnetism. By the end of this course, students will be able to: 1) Understand the concepts of electric fields, electric potential, capacitance, current and resistance, magnetic fields, induction and inductances, etc. 2) Understand Coulomb's law, Gauss' law, law of Biot and Savart, Ampere's law, Faraday's law, Lenz's law, etc., and solve actual problems in electricity and magnetism. 3) Find mathematical solutions to problems in electricity and magnetism expressed by equations and explain the physical meanings of the solutions.</p> <p>●Course Content or Plan Chapter 21: Electric Charge Chapter 22: Electric Fields Chapter 23: Gauss' Law Chapter 24: Electric Potential Chapter 25: Capacitance Chapter 26: Current and Resistance Chapter 27: Circuits Chapter 28: Magnetic Fields Chapter 29: Magnetic Fields Due to Currents Chapter 30: Induction and Inductance</p> <p>●Course Prerequisites and Related Courses Fundamentals of Physics I & II and Calculus I&II.</p> <p>●Course Evaluation Method and Criteria Course withdrawal is possible until the day of the lecture that follows the midterm examination. Students do not need to submit a Course Withdrawal Request to the course supervisor, but a withdrawal notification through NUCT is asked and the student must do the official withdrawal process with the ILAS office. A student will receive the ABSENT grade if his attendance is below 10 or he does not sit for an Examination, without valid reason. Otherwise, a student who wishes to receive the ABSENT grade must inform the course supervisor, until the day before the Final Examination. Evaluation: Assignments: 15%, Midterm Examination: 40%, Final Examination: 45%.</p> <p>●Study Load (Self-directed Learning Outside Course Hours) This course is a bit more intensive than other Fundamentals of Physics courses (FPI&FPPII) because of higher mathematical skills involved (e.g. polar coordinates, surface and volume integration) and the complexity of concepts. You are expected to register for Fundamental Physics Tutorial Ila (FPTIIa) and to spend at least several hours per week studying to do well in this course.</p>			

•How to Respond to Questions

Please use email or the dedicated Forum in NUCT to contact teachers and Teaching Assistants if you have any questions outside class. In class, students may ask questions at any time.

Textbook	Fundamentals of Physics Extended 11th Edition International Student Version with WileyPLUS Set (John Wiley & Sons, 2018, ISBN-13: 978-1118230725)
Reference Book	Feynman Lectures On Physics (Vol. 2) by Richard Phillips Feynman (Pearson PTR) (ISBN-13: 978-0465024940)

Management			
Undergraduate / Graduate	Undergraduate	Registration Code	0053321
Course Category	Arts Basic	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Wed. / 3 (13:00~14:30)		
Instructor	SANO Yoshio		
Contact e-mail of the Instructor	sanoyoshio@soec.nagoya-u.ac.jp		
<p>●Goals of the Course This lecture looks at the three main management resources: Hito (Human), Mono (Things), Kane (Money) and analyzes from perspective angles. Then, it focuses Human Resources (HR), which is the most important management resources, and how HR policies are made, and how the matching of company and employees are made. There are three modules (lectures, case studies and individual research presentations) by which students are expected to grasp the perspective in management resources, especially human resources.</p> <p>●Objectives of the Course Students are expected to grasp the outline of management resources and will be able to analyze corporates from management perspectives.</p> <p>●Course Content or Plan</p> <ol style="list-style-type: none"> 1. Introduction -What is management? 2. Perspectives of economy and corporations of the world and Japan 3. Management resources and corporate management strategies 4. Human resource system and competency development 5. Status of human resource management 6. What is compliance? 7. Corporate management and human resource development 8. Respecting employees 9. Diversification of employment patterns 10. Various issues on human resource management 11. Global corporate management and human resource management 12. Case study on management (1) 13. Case study on management (2) 14. Cross-cultural management 15. Student presentations <p>●Course Prerequisites and Related Courses None</p> <p>●Course Evaluation Method and Criteria Report and presentation (60%), class participation (40%)</p> <p>The procedure for “withdrawing the course” will not be applied. Not attending four or more lectures will not be given credit.</p> <p>●Study Load (Self-directed Learning Outside Course Hours) Students are required to check and understand corporate activities through newspapers, websites etc.</p> <p>●How to Respond to Questions By e-mails, through “messages” on NUCT</p> <p>●Notice for Students Students are required to positively join in group discussions. Students are required to submit attendance notices through “assignment” on NUCT</p>			

Textbook	Lecture papers and case studies will be provided on “resources” of NUCT prior to prospective lecture. Students are required to download it and read in advance.
Reference Book	Boxall, P. & Purcell, J. (2008). <i>Strategy and Human Resource Management</i> 2 nd Edition. Palgrave Macmillan, ISBN-13:978-1-4038-9210-9. Hofstede, G. (1991). <i>Cultures and Organizations</i> , McGraw-Hill, ISBN 0-07-029307-4.

Laboratory in Chemistry			
Undergraduate / Graduate	Undergraduate	Registration Code	0053371
Course Category	Sciences Basic	Credits	1.5
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) Wed. / 3 & 4 (13:00~14:30), (14:45~16:15)		
Instructor	SAMJESKE Gabor Arwed, PHUNG Quan Manh, SHUKU Yoshiaki		
Contact e-mail of the instructor	samjeske.gabor.arwed.z4@f.mail.nagoya-u.ac.jp		
<p>●Goals of the Course “Laboratory in Chemistry” provides students with the basic skills required to systematically perform experiments in chemistry in an interdisciplinary, comprehensive fashion that promotes an understanding of the necessary practical and theoretical skill set to other related fields of their study as for example in Biology or Chemical Engineering.</p> <p>●Objectives of the Course The first objective of this course is to learn how to effectively perform chemical and related physicochemical experiments in a detailed, oriented manner including carefully taking notes of the procedures, results, and questions that may arise from the experiments. The second objective is to convey to others the results of the experiments clearly and concisely that support your conclusion. Motto: Perform the experiments by yourself, visually observe and take notes of your observations and measured data/results in a manner that enable you to report your results clearly.</p> <p>●Course Content or Plan Due to the pandemic situation the number of students working at the same time in the laboratory had to be limited and the laboratory layout/experiments were partially redesigned, part of them offered as online experiments only. For those students who cannot return to Japan and do the experiments in person, experimental data/results will be provided via Nagoya University Collaboration and Course Tool (NUCT). Depending on changes in the specific activity guidelines (accessible from NU homepage), practical activities might be suspended temporarily or for the remaining course time. In that case, all students who registered for the course, will be provided with experimental data/results.</p> <p>week 1: Orientation and Safety Walkthrough. week 2: <i>Lecture 1 Reaction of Inorganic Ions and Ion Exchange Equilibrium</i> week 3: Experiment 1 Solubility of a) metal halides, b) metal hydroxides week 4: Experiment 2 Reaction of metal ions with sulfide week 5: Experiment 3 Separation of inorganic ions and their identification week 6: <i>Lecture 2 Synthesis of Organic and Inorganic Compounds, Volumetric Analysis and Titration</i> week 7: Experiment 4 a) Synthesis of acetylsalicylic acid, b) measurement of melting point week 8: Experiment 5 a) Synthesis of potassium trioxalate ferrate (III) trihydrate, b) photochemical reaction week 9: Experiment 6 Titration of Monovalent Acids (online only) week 10: <i>Lecture 3 Energy of Electromagnetic Waves and Spectra, Rate of Chemical Reaction and Energy</i> week 11: Experiment 7 Absorption spectra of bromothymol blue (BTB) at different pH week 12: Experiment 8 Determination of concentration by absorption photometry week 13: Experiment 9 Chemical oscillation reactions (online only)</p> <p>●Course Prerequisites and Related Courses Students must have taken, or be taking concurrently, at least one of the following courses: Fundamentals of Chemistry 1, Fundamentals of Chemistry 2.</p> <p>●Course Evaluation Method and Criteria Submission of a laboratory report is necessary for every week. Missing to submit more than 2 laboratory reports means automatically failing the course! The laboratory report must be submitted before the next experiment starts (one week in case of consecutive experiments, two weeks if a lecture will be held in the</p>			

following class). Plagiarism of assignments and delayed report submission will result in point deduction!

Points will be assigned as follows:

Every laboratory report: 10 pts (total 9 x 10 pts = 90 pts)

Final oral exam (“exit conversation”): 10 pts

TOTAL: 100 pts

Grade evaluation will be according to the academic year you enrolled at Nagoya University. Students who enrolled until (including) AY2019: (S-A-B-C-D-F), students who enrolled AY2020 and later: A(+), A, B, C, C(-), F

Course withdrawal is *only* possible until week 8 (experiment 5) in written form (email or paper form) according to Nagoya University’s course withdrawal system: Students “Need to request a course withdrawal when students have no intention of finishing a course during the semester”

•Study Load (Self-directed Learning Outside Course Hours)

- Students are required to read the corresponding part of the manual and prepare for every experiment in writing the workflow (notebook) including tables for expected data to be noted during the experiments. The workflow
- Students need to submit a laboratory report of every experiment (max. 6 A4 pages)
- Students must prepare for the final oral exam

•How to Respond to Questions

Either by email, during the laboratory hours or during office hours. Additional information material will be

available online: http://www.ilas.nagoya-u.ac.jp/Chem_Exp/index_eng.html

Textbook	Introductory Chemistry Laboratory Manual, Shizuaki Murata, Fumi Urano, and Masahiro Yoshimura, Hideto Ito (Nagoya University, 2019)
Reference Book	Reference book will be announced in the introductory class if necessary
Reference Website for this Course	http://www.ilas.nagoya-u.ac.jp/Chem_Exp/index_eng.html

Modern Biology			
Undergraduate / Graduate	Undergraduate	Registration Code	0053521
Course Category	Sciences Liberal	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Wed. / 5 (16:30~18:00)		
Instructor	BUSTOS VILLALOBOS Itzel		
Contact e-mail of the Instructor	bustositzel@med.nagoya-u.ac.jp		
<p>●Goals of the Course The purpose of this course is to learn the principles, and techniques of modern biology. This course is particularly designed for those who have not learned biology previously or whose major is other than biology, and who may think that they do not need to know any biology at all. The topics are covered in a general manner, but certain level of diligence in grasping concepts and memorizing the terminology is expected. <i>Its content is very basic for students on science.</i></p>			
<p>●Objectives of the Course Students are expected to be able to understand the generalities of biology.</p>			
<p>●Course Content or Plan</p> <ol style="list-style-type: none"> 1. Introduction to Life on Earth 2. Essential Chemistry// The Molecules of Life 3. Anatomy and physiology of cell 4. Cellular Respiration // Photosynthesis 5. <u>Exam 1</u> 6. Cellular Reproduction // Patterns of Inheritance 7. The Structure and Function of DNA 8. DNA Technology 9. Biological evolution 10. The Evolution of Animals 11. <u>Exam 2</u> 12. Normal physiology/ generalities of cancer 13. Generalities of Cancer continuation/ screening tools 14. Treatments/ how technology improved cancer treatment 15. <u>Final Exam</u> 			
<p>●Course Prerequisites and Related Courses Your name should be listed in this course in order to attend the class. If you want to attend only a specific lecture, please make request a week in advance. No companions/ partners of students will be allowed during class if not listed.</p>			
<p>●Course Evaluation Method and Criteria</p> <p>Assistance Two exams plus a final exam Participation during classes</p> <p>There will be NO make-up exam. In the event of a missed exam due to a serious illness, accident or family emergency, compelling written documentation of the reason for the absence will be required.</p> <p>Students wishing to withdraw from the course without academic penalty must do so by requesting course withdrawal before May 13, 2022 18:00 hrs (Tokyo time). That is the only way to receive an “Absent” grade, which does not count in GPA. After the date above, students may not withdraw from the course: a numeric grade will be calculated according to the evaluation method given in this syllabus, and the resulting letter grade will be reported to the Administration at the end of the course. This grade will count in GPA. If percentages are not reached, this will lead to “F” score. Also, in case of no submission more than one test and lack of attendance, an “F” will be given.</p>			

●Study Load (Self-directed Learning Outside Course Hours)

Pre-study: not needed

During class: 90 minutes sessions. Sometimes quiz will be done during class. Participation will be important.

After: Will be important to review after class, about one hour per session.

●How to Respond to Questions

In case the class is delivered in person: during class

In case the class is live-online: during class or send email so it can be replied during following session.

In case of recording lecture (depending on student's location some lectures might be recorded): send email directly to bustositzel@med.nagoya-u.ac.jp and it will be replied during the following class.

●Notice for Students

Few pre-recorded lectures might be prepared, however currently is not planned for this course. If you have a very different time zone with Japan, this might not be a good course to join. If many students are from a very different time zone, pre-recorded lectures might happen. However, not all lectures will be delivered in this way; therefore you will need to join on line in many cases. Please consider this time difference at the time of joining this course.

●Message from the Instructor

Currently, the course is planned to be delivered online. Depending on later COVID situation, students' location, etc; this might change to hybrid/ in person class.

●Courses taught by Instructors with practical experience

The last part of the course: normal physiology, cancer generalities/ treatment is based on practical experience of working as medical doctor in Mexico as well as working as researcher in Japan in the development of new cancer treatments.

Textbook	Campbell Essential Biology, 6th Edition, by Simon, Reece, and Dickey (Pearson Education, 2016). ISBN-13: 978-0133917789, ISBN-10: 9780133917789
Reference Book	Campbell Biology, 11 th edition by Lisa A. Urry, Michael L Cain. ISBN-13: 978-0134093413, ISBN-10: 0134093410
Reference Website for this Course	N/A

Special Mathematics Lecture (Introduction to data assimilation)			
Undergraduate / Graduate	Undergraduate	Registration Code	0053621
Course Category	Sciences Basic	Credits	2.0
Term (Semester) / Day / Period	1st to 4th year, Spring Semester / Wed. / 6 (18:15~19:45)		
Instructor	RICHARD Serge		
Contact e-mail of the Instructor	richard@math.nagoya-u.ac.jp		
<p>●Goals of the Course Data assimilation plays a very important role in several fields of research, and has numerous applications. Our goal is to provide the necessary background information for understanding the underlying ideas and concepts. Applications will also be presented. The presentation will be accessible to all students, independently of their major.</p> <p>●Objectives of the Course Provide the necessary foundations for a good understanding of the key ideas of data assimilation, and provide tools for successful applications of data assimilation techniques to specific problems.</p> <p>●Course Content or Plan This course should cover the following topics:</p> <ol style="list-style-type: none"> 1) Mathematical background 2) Variational versus statistical approach of Data Assimilation 3) Discrete time / continuous time approach 4) Smoothing / filtering algorithms 5) Kalman smoother, Kalman filter, Ensemble Kalman filter 6) Particle filter 7) Specific algorithms and applications <p>●Course Prerequisites and Related Courses Basic knowledge on calculus and linear algebra, as provided in Calculus I & II and in Linear algebra I & II. Motivated 1st year students can also attend without these prerequisites but after a discussion with the instructor.</p> <p>●Course Evaluation Method and Criteria The final grade will be based on the active participation during the lectures and on some written reports. Students will be encouraged to work on applications related to their major during the semester. Students need to notify the course withdrawal to the instructor when they have no intention of finishing the course during the semester.</p> <p>●Study Load (Self-directed Learning Outside Course Hours) Students are expected to read their notes, and to be familiar with the content of the previous lectures before each new lecture.</p> <p>●How to Respond to Questions By email.</p> <p>●Notice for Students It is expected that the students will show a certain maturity in studying independently and in choosing some exercises and problems to solve. Study sessions will be organized on a weekly basis. This course is an optional subject which does not count towards the number of credits required for graduation in any program at Nagoya University.</p>			
Textbook	Free textbooks will be provided during the lectures		
Reference Book	Free reference books will be provided during the lectures		
Reference Website	http://www.math.nagoya-u.ac.jp/~richard/SMLspring2022.html		

First Year Seminar B			
Undergraduate / Graduate	Undergraduate	Registration Code	0054222
Course Category	Basic GE, 1Y Seminar	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Thu. / 2 (10:30~12:00)		
Instructor	KANG Juhyung		
Contact e-mail of the Instructor	jay.kang@soec.nagoya-u.ac.jp		
<p>●Theme of First Year Seminar The theme of this seminar is to develop analytical abilities by implementing financial statements analysis, and excellent communication skills by conducting neatly organized group works for well-designed presentation on analysis outcomes.</p> <p>●Goals of the Course This seminar is intended to assist student to acquire the fundamental knowledge of interpreting financial statements and performing financial ratio analysis, which leads to enhance the capability of making informed business decisions.</p> <p>●Objectives of the Course After completion of the seminar, students should be able to:</p> <ol style="list-style-type: none"> 1. Comprehend and interpret the information presented in financial statements. 2. Apply knowledge by computing and interpreting key financial ratios. 3. Obtain improved academic skills by means of group works, presentations and discussions. <p>●Course Content or Plan</p> <ol style="list-style-type: none"> 1. Introduction 2. Lecture: Standards and Conceptual Framework 3. Lecture: Primary Financial Statements 4. Preparation for Group Work: 4WIH & Discussion 5. Lecture: Financial Statements Analysis (Profitability) 6. Lecture: Financial Statements Analysis (Liquidity & Solvency) 7. Lecture: Financial Statements Analysis (Activity) 8. Exercise (1): Examining Financial Statements 9. Exercise (2): Analyzing Financial Statements 10. Lecture: International Convergence of Accounting Standards 11. Discussion: Why do we need an international standard for accounting? 12. Preparation for final presentation 13. Final Presentation (1) 14. Final Presentation (2) 15. Concluding session <p>●Course Prerequisites and Related Courses No prerequisites for the course.</p> <p>●Course Evaluation Method and Criteria Class participation (40%), Presentation (40%), Essay exam (20%). Students need to notify the instructor via NUCT when requesting course withdrawal. Notice that Course Withdrawal Request Form is no longer needed.</p> <p>●Study Load(Self-directed Learning Outside Course Hours) Students must review the contents of a previous class, complete assigned problems, and actively participate in group work to prepare presentations. Required at least 2 hours a week.</p> <p>●How to Respond to Questions Students can contact the instructor through either NUCT or e-mail.</p>			

Textbook	Materials will be provided in each class.
Reference Book	1. Schroeder, R.G., MW. Clark, and J.M. Cathey (2019) <i>Financial Accounting Theory and Analysis: Text and Cases</i> . 13 th ed. Wiley. ISBN 978-1119577775. 2. Penman, S.H. (2013) <i>Financial Statement Analysis and Security Valuation</i> . 5 th ed. McGraw-Hill Education. ISBN: 978-007-132640-7. Other reference books will be announced in each class.
Reference Website for this Course	https://www.sec.gov/edgar/searchedgar/companysearch.html http://www.fasb.org https://www.ifrs.org

Fundamentals of Biology II

Undergraduate / Graduate	Undergraduate	Registration Code	0054223
Course Category	Sciences Basic	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Thu. / 2 (10:30~12:00)		
Instructor	VASSILEVA Maria		
Contact e-mail of the Instructor	mnvassileva@ilas.nagoya-u.ac.jp		

●Goals of the Course

The course is designed to expand students' understanding of the study of biology, and to foster independent decision-making capabilities.

●Objectives of the Course

This course's main focus is to provide students with working understanding on how the human body functions, and connect it to health and disease. Short introduction is given on basic concepts of ecology.

The course emphasizes on conceptual understanding of the biological topics discussed, rather than on memorization of terms and facts. Course assignments are prepared with the goal of providing an opportunity to practice conceptual and analytical thinking. Students will gain the ability to use their understanding of human physiology to take informed decisions in everyday health-related situations. Ecology section will allow students to critically evaluate agricultural and ecological issues. Students will have a regular opportunity to engage in discussions, and hone their teamwork skills on team projects.

●Course Content or Plan

1. Introductory human anatomy and physiology
 - 1.1 Introduction to animal structure and function
 - 1.2 Digestive system
 - 1.3 Respiratory system
 - 1.4 Circulatory system
 - 1.5 Immune system
 - 1.6 Urinary system
 - 1.7 Endocrine system
 - 1.8 Reproductive system and embryonic development
 - 1.9 Nervous system and senses
 - 1.10 Musculoskeletal system
2. Introductory ecology
 - 2.1 Introduction to the biosphere
 - 2.2 Population ecology
 - 2.3 Community ecology
 - 2.4 Ecosystem ecology
 - 2.5 Conservation biology
 - 2.6

●Course Prerequisites and Related Courses

There is no prerequisite knowledge for this course. Everyone who is interested in learning how their body works is encouraged to join. Exchange students are also welcome.

While this course is formally a continuation of Fundamentals of Biology 1, it is not connected to it in content. Related courses: Physiology and Anatomy I.

●Course Evaluation Method and Criteria

The University standard 6-step grading scale is used in this course. Evaluation is based on several elements:

- (1) Participation: in-class participation (10%) and out-of-class participation on Perusall platform (10%),
- (2) Projects: group project (10%) and individual project (10%),
- (3) Written assignments: individual unit summaries in the form of Mindmaps (10%) and weekly quizzes (10%)
- (4) Exams: midterm (20%) and final exam (30%).

Withdrawal: Students who do not intent to complete the course need to submit a Course Withdrawal Request. This can be done over email/ NUCT message at any time during the course.

●**Study Load (Self-directed Learning Outside Course Hours)**

Students are expected to read the appropriate textbook chapter before class. Classes emphasize discussions and questions, thus coming prepared is essential.

Weekly written assignments - summary of the upcoming class material in the form of a Mindmap - are the core assignments for this course.

●**How to Respond to Questions**

The course instructor can be contacted outside the class hours at the email indicated above.

●**Notice for Students**

Class attendance is not compulsory. Attendance *per se* is not part of the grade – attending without participating is equal to not attending.

If you don't feel well there is no need to send emails asking for permission not to attend class.

If you are abroad and the time difference makes it difficult to participate, feel free not to attend class sessions. Separate discussion meetings can be arranged upon request at a suitable time.

●**Message from the Instructor**

This course will be conducted online until majority of the students are in Nagoya and the epidemic situation allows the class to discuss in lecture room. All course materials and assignments are accessible/submittable online on NUCT. Further information will be provided on the course NUCT site.

Textbook	<p>Title: OpenStax Biology 2e Authors: Clark, Douglas, Choi Publisher: OpenStax Year: 2018 ISBN: 978-1-947172-52-4 Free downloadable textbook (http://openstaxcollege.org), uploaded on Perusall platform.</p>
Reference Book	<p>Title: Campbell Biology Concepts & Connections Global edition, 10 edition (or any earlier edition) This book is an excellent alternative to the OpenStax book. Authors: Taylor, Simon <i>et al.</i> Publisher: Pearson, Year: 2021 ISBN: 978-0135269169</p> <p>Title: OpenStax Concepts of Biology The content of this book is overly simplified for the goals of this course, but provides a quick easy overview. Authors: Fouler, Roush, Wise <i>et al.</i> Publisher: OpenStax Year: 2013 ISBN: 978-1-947172-03-6</p>

Fundamentals of Chemistry II

Undergraduate / Graduate	Undergraduate	Registration Code	0054321
Course Category	Sciences Basic	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Thu. / 3 (13:00~14:30)		
Instructor	SHIN Jiyoung		
Contact e-mail of the Instructor	jyshin321@gmail.com		

●Goals of the Course

This course is designed to promote an understanding of introductory chemistry and to grasp the fundamental principles and basic knowledge in various chemistry subjects. It is also substantial to foster independent decision-making capabilities.

●Objectives of the Course

Based on the knowledge educated with the course contents, the students are able to solve chemistry problems in each subject of physical, electro-, nuclear, inorganic, solid-state, organic, and biological chemistries, from pretty simple to significantly complex and hybrid.

●Course Content or Plan

Class 1. Solids and Solid-State Materials (Ch.12)

Class 2. Solutions and Their Properties (Ch.13)

Class 3. Chemical Kinetics (Ch.14)

Class 4. Chemical Equilibrium (Ch.15)

Class 5. Summary and Evaluation for the Classes 1-4 with Practice Problems and the Solution Process

Class 6. Aqueous Equilibria: Acids and Bases (Ch. 16)

Class 7. Applications of Aqueous Equilibria (Ch.17)

Class 8. Thermodynamics: Entropy, Free Energy, and Equilibrium (Ch. 18)

Class 9. Electrochemistry (Ch. 19)

Class 10. Summary and Evaluation for the Classes 6-9 with Practice Problems and the Solution Process

Class 11. Nuclear Chemistry (Ch. 20)

Class 12. Transition Elements and Coordination Chemistry (Ch. 21)

Class 13. The Main-Group Elements (Ch. 22)

Class 14. Organic and Biological Chemistry (Ch. 23)

Class 15. Summary of the Overall Classes (1-14)

Class 16. Summary and Examination for the Entire Chapters (Chs. 12-23) with Practice Problems

●Course Prerequisites and Related Courses

The students registering for this course should complete 'Fundamentals of Chemistry I'.

●Course Evaluation Method and Criteria

Examination [total 70%: two midterms (20% for each) and one Final (30%)], Attendance and Assignments (30%). This condition can be reconsidered following the pandemic condition.

GPA (Grade Point Average) grading system is based on 'six-step' grade scale: A+, A, B, C, C-, and F (A+: $x \geq 95$, A: $95 > x \geq 80$, B: $80 > x \geq 70$, C: $70 > x \geq 65$, C-: $65 > x \geq 60$, and F: $60 > x$). No attendance of the final examination leads to 'Withdrawal (W)' grade.

- Course withdrawal and failure: Students need to have the permission of the course instructor when students request course withdrawal during the semester. Withdrawal will be recorded when the students officially withdraw from the course or when the instructor has a legitimate reason for determining the student has no intention to continue the course, such as if the student did not submit a proper number of assignments or was absent from examinations. In such a case, the instructor will not assign a grade.

- Cautious information: Whoever provides any suspicious action in any exam will lose his/her total credits of all coursework in the current semester, based on the University law.

●Study Load (Self-directed Learning Outside Course Hours)

Each homework is vital for reviewing the corresponding class, whose submission is strongly encouraged before the beginning of the next class. NU general guideline considers the necessity of the average of 2~3 hours of personal study time per week for each credit.

●How to Respond to Questions

Students can communicate through emails (jjshin321@gmail.com). Students are recommended to review the lectures by solving the related homework questions. Each assignment is due by the start of the next class (if there is no special announcement). The corrections will be returned to the students. If any student wants to ask for tutorial time, he/she should email the instructor to arrange the appointment. Under the pandemic condition, online (Zoom) lectures will be the primary class style. However, classes in person will be considered when the condition changes.

●Message from the Instructor

Students are recommended to prepare each lecture by reading the scheduled chapters and to review it by solving the related homework questions. In principle, each assignment is due by the beginning of the next class. Late or no assignment submission is the deduction point of the grade.

Students can communicate with the course instructor face-to-face, either in classes or through appointments. Communications by email are also available. Participants will get lecture material for each class through the NUCT site. Sudden questions can be given to students during lectures to provide substantial feedback.

Textbook	Chemistry (Jill K. Robinson, John E. McMurry, and Robert C. Fay), 8th Edition: Global edition, Pearson, 2021 (ISBN-13: 9781292336206)
Reference Book	General Chemistry: Principles and Modern Applications (Ralph, H. Petrucci, F. Geoffrey Herring, Jeffrey D. Madura, Carey Bissonnette), 11 th Edition, Toronto, Pearson Canada, 2016 (ISBN 10: 0132931281) Chemistry (John E. McMurry, Robert C. Fay, and Jill K. Robinson), Seventh Edition: Global edition, 2016 (ISBN 10: 9781292092751)

Mathematics Tutorial 2a			
Undergraduate / Graduate	Undergraduate	Registration Code	0054421
Course Category	Open	Credits	1.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Thu. / 4 (14:45~16:15)		
Instructor	RICHARD Serge		
Contact e-mail of the Instructor	richard@math.nagoya-u.ac.jp		
<p>●Goals of the Course The aim of this course is to deepen the understanding of calculus and to cultivate the ability to apply mathematical knowledge.</p> <p>●Objectives of the Course The course is mainly intended for students taking Calculus II. Students will have the opportunity to manipulate the various notions introduced during the lectures.</p> <p>●Course Content or Plan Exercises sheets will be provided each week before the tutorial, and will be available on the web site of the course. Homework will be due every week during the tutorial. Solutions to the exercises will then be posted on the web site.</p> <p>●Course Prerequisites and Related Courses Calculus I and the corresponding Math tutorial Ia.</p> <p>●Course Evaluation Method and Criteria The final grade will be determined by homework (50%) and quizzes (50%). The grading scale will be A+, A, B, C, C-, F. Students need to notify the course withdrawal to the instructor when they have no intention of finishing the course during the semester.</p> <p>●Study Load(Self-directed Learning Outside Course Hours) Students are expected to read their notes, and to be familiar with the content of the lectures of Calculus II before each tutorial sessions.</p> <p>●How to Respond to Questions By email. More information available on the website of this course.</p>			
Textbook	Free reference books and lecture notes will be available on the website of the course.		
Reference Book	Free reference books and lecture notes will be available on the website of the course.		
Reference Website for this Course	http://www.math.nagoya-u.ac.jp/~richard/spring2022.html		

Mathematics Tutorial 2b			
Undergraduate / Graduate	Undergraduate	Registration Code	0054422
Course Category	Open	Credits	1.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Thu. / 4 (14:45~16:15)		
Instructor	BACHMANN Henrik		
Contact e-mail of the Instructor	henrik.bachmann@math.nagoya-u.ac.jp		
<p>All information on this course will be available on the course page: https://www.henrikbachmann.com/la2_2022.html</p> <p>●Goals of the Course Understand the concepts of the course Linear Algebra II in more detail by going through a lot of exercises and examples.</p> <p>●Objectives of the Course The objective of this course is to provide essential mathematical knowledge necessary to further studies in mathematics and science at university level. The course is primarily intended for students taking the course Linear algebra II.</p> <p>●Course Content or Plan Vector spaces, determinants and their applications, eigenvalues and eigenvectors, applications of eigenvalue theory, continuous dynamical systems, linear differential equations.</p> <p>●Course Prerequisites and Related Courses While not a formal requirement, Linear Algebra I is strongly recommended. Check https://www.henrikbachmann.com/la1_2021.html for the content of Linear Algebra I.</p> <p>●Course Evaluation Method and Criteria The assessment of this course is the same as the assessment of the course Linear Algebra II.</p> <p><i>Course withdrawal:</i> Any student who does not participate in the final exam will receive the grade “Absent”. It is not necessary to submit a course withdrawal request form.</p> <p>●Study Load(Self-directed Learning Outside Course Hours) There will be a reference book and several online sources which can be used for additional self-study. The lectures re already recorded and available on YouTube. All information will be available before the course starts. The students will need to submit homework every 2-3 weeks and participate actively in class.</p> <p>●How to Respond to Questions You can always contact me via email or social media. Office hours can be provided face-to-face or via Zoom at any time. There will be a Facebook group for communication.</p>			
Textbook	None		
Reference Book	Otto Bretscher: <i>Linear Algebra with Applications</i> , fourth edition, Pearson		
Reference Website for this Course	https://www.henrikbachmann.com/la2_2022.html		

German 3			
Undergraduate / Graduate	Undergraduate	Registration Code	0034502
Course Category	Basic GE, Language I	Credits	1.5
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Thu. / 5 (16:30~18:00)		
Instructor	CONRAD Marcus		
For more information, please see the syllabus on NU Portal. (In Japanese only) NU Portal → Student affairs → Course registration and grading → Syllabus → Search Syllabus			

French 3			
Undergraduate / Graduate	Undergraduate	Registration Code	0034503
Course Category	Basic GE, Language I	Credits	1.5
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Thu. / 5 (16:30~18:00)		
Instructor	BAUMERT Nicolas		
For more information, please see the syllabus on NU Portal. (In Japanese only) NU Portal → Student affairs → Course registration and grading → Syllabus → Search Syllabus			

Russian 3			
Undergraduate / Graduate	Undergraduate	Registration Code	0034504
Course Category	Basic GE, Language I	Credits	1.5
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Thu. / 5 (16:30~18:00)		
Instructor	YAMAJI Asuta		
For more information, please see the syllabus on NU Portal. (In Japanese only) NU Portal → Student affairs → Course registration and grading → Syllabus → Search Syllabus			

Chinese 3			
Undergraduate / Graduate	Undergraduate	Registration Code	0034505
Course Category	Basic GE, Language I	Credits	1.5
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Thu. / 5 (16:30~18:00)		
Instructor	YU Ping		
<p>For more information, please see the syllabus on NU Portal. (In Japanese only) NU Portal → Student affairs → Course registration and grading → Syllabus → Search Syllabus</p>			

Spanish 3			
Undergraduate / Graduate	Undergraduate	Registration Code	0034506
Course Category	Basic GE, Language I	Credits	1.5
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Thu. / 5 (16:30~18:00)		
Instructor	FURUKAWA Aya		
<p>For more information, please see the syllabus on NU Portal. (In Japanese only) NU Portal → Student affairs → Course registration and grading → Syllabus → Search Syllabus</p>			

Korean 3			
Undergraduate / Graduate	Undergraduate	Registration Code	0034507
Course Category	Basic GE, Language I	Credits	1.5
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Thu. / 5 (16:30~18:00)		
Instructor	LI Huimin		
<p>For more information, please see the syllabus on NU Portal. (In Japanese only) NU Portal → Student affairs → Course registration and grading → Syllabus → Search Syllabus</p>			

Exploration of Japan: From the Outside Looking Inside

Undergraduate / Graduate	Undergraduate	Registration Code	0055221
Course Category	InterD Liberal	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Fri. / 2 (10:30~12:00)		
Instructor	TAKAKI Hitomi		
Contact e-mail of the Instructor	takaki@iee.nagoya-u.ac.jp		

●Goals of the Course

In this course, students will be given opportunities to explore Japanese culture and diversity issues through group discussion, project, and presentation. Students will examine both difficulties/challenges and excitements/joys of intercultural communication by learning key concepts of intercultural communication. Instructor will facilitate students' on-going communication and group work by increasing awareness of how their respective cultures, communication styles, and working styles affect group process and development. Lectures, discussions, simulation game, group project and presentation will be designed to provide students with insight and skills for building on their intercultural competence. We will use English for the main language and will support each other in various languages.

●Objectives of the Course

1. Explore key concepts of intercultural communication and develop intercultural sensitivity
2. Explore culture and diversity issues in Japan
3. Able to set common goals and work with culturally diverse group members

●Course Content or Plan (Tentative Plan)

1. Introduction, Icebreaking
2. Creating Ground Rules for the class
3. Explore Key Concepts of Culture & Intercultural Communication
4. Group Development & Team Building
5. Group Project & Presentation I (Topic: Japanese Culture & Society)
6. Group Project & Presentation II (Topic: Diversity Issues& Suggestion)
7. Reflection of Group Project
8. Closing Session

●Course Prerequisites and Related Courses

No prerequisites are required to register this course.

●Course Evaluation Method and Criteria

To be based on the combination of course participation/contribution (30%), reflection papers (20%), group project & presentation (30%), and term paper (20%).

Need to request a course withdrawal when students have no intention of finishing a course during the semester. Please consult with the instructor about the course withdrawal.

●Study Load (Self-directed Learning Outside Course Hours)

Before and after class, you will need time to work on readings and reaction papers. During the course, you need to work on group projects with other classmates and you might need to meet or work online together outside of the class.

●How to Respond to Questions

Please send e-mail to the Instructor or ask during the class.

e-mail: takaki (@) iee.nagoya-u.ac.jp (Please remove () when you send the e-mail.)

●Notice for Students

In order to conduct activities and group work effectively, the class capacity is limited to a maximum of 15 G30 students (total 40 students including other program (general, NUPACE, EMI students)). Please ensure that you attend the first class on Friday, April 15th, 2021. If the number of students exceeds the stipulated class size, the course coordinator will advise students on registration policy.

Textbook	Handouts and materials will be provided for each class.
Reference Book	Materials will be informed in class if necessary.

Calculus II			
Undergraduate / Graduate	Undergraduate	Registration Code	0055222
Course Category	Sciences Basic	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Fri / 2 (10:30~12:00)		
Instructor	RICHARD Serge		
Contact e-mail of the Instructor	richard@math.nagoya-u.ac.jp		
<p>•Goals of the Course Analysis is the field of mathematics that describes and analyzes quantitative changes, and the central methods are differential and integral calculus. These methods are essential techniques in natural science, and have recently found increasing applications also in social sciences.</p> <p>•Objectives of the Course The aim of the second half of this one-year course is to provide a solid understanding of functions of several real variables. The students will become familiar with the various tools necessary for the analysis of such functions.</p> <p>•Course Content or Plan The basic notions related to the study of functions of several variables, as for example: partial derivatives, maximum and minimum, implicit functions theorem, multiple integrals, change of variables, Jacobian matrix, surface and line integrals. Some elements of vector calculus will also be introduced.</p> <p>•Course Prerequisites and Related Courses Some notions on functions of one variable, as seen in Calculus I. A basic knowledge of linear algebra will be an asset. It is strongly encouraged to attend the Mathematics Tutorial 2a which is linked to this course.</p> <p>•Course Evaluation Method and Criteria The final grade will be determined by quizzes (30%), the midterm (30%) and a final exam (40%). The grading scale will be A+, A, B, C, C-, F. Students need to notify the course withdrawal to the instructor when they have no intention of finishing the course during the semester.</p> <p>•Study Load(Self-directed Learning Outside Course Hours) Students are expected to read their notes, and to be familiar with the content of the lectures of Calculus II before each tutorial sessions.</p> <p>•How to Respond to Questions By email. Look also at the related website http://www.math.nagoya-u.ac.jp/~richard/spring2022.html</p>			
Textbook	Free reference books and lecture notes will be available on the website of the course		
Reference Book	Free reference books and lecture notes will be available on the website of the course		

Health and Sports Science : Practicum (Exercise and Sports I (Table tennis))

Undergraduate / Graduate	Undergraduate	Registration Code	0055321
Course Category	Basic GE, Sports	Credits	1.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Fri. / 3 (13:00~14:30)		
Instructor	YOKOYAMA Keiko		
Contact e-mail of the Instructor	yokoyama@htc.nagoya-u.ac.jp		

●Goals of the Course

This course aims to achieve the necessary abilities to maintain and increase physical fitness and to develop the communication skills.

●Objectives of the Course

The objectivities of this class are to emphasize the development of fundamental table tennis skills, and knowledge of game rules and tactics. The students are expected to deepen their understanding of the ways, meanings, and values about moving their body and communicating with others.

●Course Content or Plan

1. An orientation session for incoming freshmen.
2. An orientation session for table tennis class.
3. Fundamental skill training.
4. Offensive & defensive tactics.
5. Singles & Doubles games.

●Course Prerequisites and Related Courses

The students' success in this class is extremely dependent on their ACTIVE participation and ON TIME attendance. The students are expected come to class ON TIME and READY to participate. The students missing more than **FOUR** classes for any reason (excused or unexcused) will fail the course. Any students who are disruptive, disrespectful, or not putting their effort into the class will also fail the course or have their attendance/participation grade reduced.

Orientation Class

The students MUST attend the first orientation class and BRING their photo (3x4 cm) for incoming freshmen. The details of this course will be explained in the first session. It is desirable that students should preparation to learn about basic rules and skills required in playing of table tennis.

Dress Code and Equipment

Comfortable sportswear and indoor sports shoes MUST be worn. If the appropriate attire is not worn to this class, attendance will not be counted.

●Course Evaluation Method and Criteria

Evaluated by the ATTENDANCE and active participation (70%), communication skills and leadership (20%), and table tennis skills and knowledge (10%). The students missing more than **FOUR** classes for any reason (excused or unexcused) will fail the course. Any students who are disruptive, disrespectful, absent from class many times, or not participating fully in the class will also fail the course or have their attendance/participation grade reduced.

The course withdrawal system is available in this class. If students want to withdraw from this class, they need to notify the instructor through NUCT before the end of the 4th class (including the first orientation class). In principle, instructors may not give students a grade of "Withdrawal" without the request of the course withdrawal. However, in the case of an avoidable reason, such as sickness, accident, or no school attendance, the instructor may give a grade of "Withdrawal" based on their judgment.

●Study Load (Self-directed Learning Outside Course Hours)

These moves will be help for improve your table tennis skills.

-Forehand drive

https://www.youtube.com/watch?v=Abe_FicwtAE

-Backhand Drive

<https://www.youtube.com/watch?v=CoDTUIBznFo>

-Service

<https://www.youtube.com/watch?v=YWpB0HIPXuA>

●How to Respond to Questions

Please use email or NUCT to contact the instructor.

My email address is yokoyama@htc.nagya-u.ac.jp

Textbook	The website about table tennis will be introduced in class if necessary.
Reference Book	If necessary, the book will be introduced in class.

Information Literacy			
Undergraduate / Graduate	Undergraduate	Registration Code	0035401
Course Category	Sciences Basic	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Fri. / 4 (14:45~16:15)		
Instructor	SATO Kouki		
Contact e-mail of the Instructor	sato@iee.nagoya-u.ac.jp		
<p>●Goals of the Course The purpose of this course is to recognize the academic system of the natural sciences and to cultivate the ability to make independent judgement. The purpose of this course is to acquire the basics of "information literacy", which means the ability to use information-related technologies to communicate, collect, organize, and analyze information using computers, networks, and other information means, through lectures and practical training.</p> <p>●Objectives of the Course Learn to operate basic software and experience the actual process of information processing, including 1) utilizing electronic document composition with word processor, spread sheet, and presentation applications, 2) communicating and utilizing via e-mail and other network-based communication tools, and 3) understanding the structure and use of network and related laws and manners.</p> <p>●Course Content or Plan The following topics will be covered according to the interests of the students. The schedule is subject to change according to the interests and requests of the students (to be discussed and announced in class).</p> <ol style="list-style-type: none"> (1) Overview of information literacy (2) Introduction to computers, word processors (3) Electronic mail and information exchange (4) Information security training (5) Ethics and etiquette in the network information society (6) Information retrieval on the Internet (basic) (7) Information retrieval on the Internet (application) (8) Information retrieval on the Internet (translation) (9) Library and literature use (10) Information expression through web (basic) (11) Information expression through web (application) (12) Information processing using spreadsheets (basic) (13) Information processing using spreadsheets (application) (14) Presentation procedures (15) Presentation practice <p>●Course Prerequisites and Related Courses The students must be able to use the email account listed on the Nagoya University ID notification.</p> <p>●Course Evaluation Method and Criteria Overall evaluation will be based on class participation (20%), post-class comments (30%), practical assignments (50%), and final assignments (10%). If a student requests the instructor to withdraw from the course, or if a student is absent from more than 1/3 of the classes (more than 5 times) without any reason, the student will be considered to have withdrawn from the course.</p> <p>●Study Load (Self-directed Learning Outside Course Hours) After each class, students will be asked to submit a reflection on what they have learned in the class. In addition, almost every class, students will be asked to complete an assignment that is a continuation of the practical work done in class.</p>			

•How to Respond to Questions

The class support web page will provide opportunities for questions, and assignments will be submitted and feedback will be provided. Questions will also be accepted via e-mail.

Textbook	Show in class as needed.
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Reference Book	Show in class as needed.
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Introduction to Cultural Studies

Undergraduate / Graduate	Undergraduate	Registration Code	0055421
Course Category	Arts Liberal	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Fri. / 4 (14:45~16:15)		
Instructor	MC GEE Dylan Patrick		
Contact e-mail of the Instructor	mc.gee.dylan.patrick.x8@f.mail.nagoya-u.ac.jp		

●Goals of the Course

As a liberal arts course in the humanities, this course is designed to introduce students to theories and methods currently used in cultural studies, while fostering critical inquiry and understanding of other cultures.

●Objectives of the Course

Students in this class will develop basic academic skills like critical reading and analytic writing, while also enhancing communication skills through group discussion and presentation.

●Course Content or Plan

In this class, we will explore some of the ways in which digital technologies mediate our social lives and experiences within contemporary culture. Working primarily within the setting of Japan, we will start off with some historical context about pre-digital transmedia cultures of wartime and early postwar Japan, culminating in the Kadokawa “media mix” of the 1970s, followed by a look at participatory communities that formed around *dōjinshi* fanzines of the 1960s through the 1990s. Major shifts in the media ecology of Japan during the so-called “lost decade,” including the spread of the internet, digital tools for self-publishing, and the rapid development of gaming technologies, helped radically reshape the spaces of cultural consumption and fan labor, while also expanding the audiences for Japanese media on a global scale. Despite attempts to steer these developments towards national or political agendas—such as in the “Cool Japan” campaign of the 2010s—regular people like you and me still play a decisive role in determining how we consume or “prosume” culture. So, in a sense, this class is about us and about why our digitally-mediated experiences matter.

Week to week, we will meet to discuss a topic that relates to the overarching theme of the class. Readings will be selected to offer grounding for critical analysis, and in my own role as a teacher, I will be introducing theoretical concepts from media and cultural studies that (hopefully!) will give you new insights into your own digital practices. To that end, I will be keenly interested in hearing about your own experiences with Japanese media and culture, and what you think is significant about liking a video, sharing a meme, or going out of your dorm once in a while to play *Pokemon Go*.

Here is our tentative schedule of discussion meetings (topic subject to revision):

Week 1. Course Overview

Week 2. Why talk about wartime cartoons?

Week 3. Precursors to transmedia storytelling and the media mix

Week 4. *Dōjinshi* fanzines and participatory subcultures of the 1960s-1990s

Week 5. Soft power meets scanlation communities

Week 6. Toys as authoring tools, collectibles, and social media content

Week 7. *Kawaii*, *moe*, and affective play

Week 8. *Yurukyara* mascot characters and economies of affect

Week 9. Pikachu jumps from your Gameboy to your iPhone—and into your heart

Week 10. A virtual date with Date Masamune (1567-1636)—history fangirls and heritage tourism

Week 11. On the road with hardcore Visual-K fans

Week 12. Are toxic fans really fans?

Week 13. *Insutabae*, microcelebrity and the digitally mediated self

Week 14. *Animal Crossing* and other guilty pleasures during the pandemic

Week 15. Conclusions

●Course Prerequisites and Related Courses

There are no prerequisites to enroll in this course. All are welcome! Some previous background in East Asian humanities and/or proficiency in Japanese would be helpful.

●Course Evaluation Method and Criteria

Assessment in this course will be according to a contract system. At the start of the semester, each student will be given a choice of three different learning tracks—Discovery track (final grade of B), Mastery track (final grade of A), and Research track (final grade of A+/S). Each track has a different set of tasks and learning objectives that result in a fixed grade. The estimated time investment for each track is also different. This is so that students can make informed decisions, early in the semester, regarding their academic goals and level of commitment to this class. Upon successfully meeting all the objectives in their chosen track, students will earn the grade they signed up for. Specific details about the assessment schedule for each track can be viewed on the online version of the syllabus, which will be accessible starting on Friday, April 1st (see below for link).

●Study Load (Self-directed Learning Outside Course Hours)

In addition to the ninety (90) minutes of time spent in each class meeting, students should expect to spend time outside of class each week reading and writing responses to weekly prompts. Your work load will depend on which learning track you have chosen to join. In general, students on the Discovery track (final grade of B) can expect an average of one hour or less per week, students on the Mastery track (final grade of A) around two hours per week, and students on the Research track (A+/S) around three hours per week. For more details, refer to the guide to learning tracks, which is posted on our CANVAS site.

●How to Respond to Questions

Students are always encouraged to ask questions or make comments during class, before or after class, or through the discussion prompt box that will be open week to week on CANVAS. Students may also reach me through e-mail.

●Notice for Students

Due to the ongoing effects of the COVID-19 pandemic, which has made it difficult for many international students to enter the country, my current plan is to teach this course online. If conditions improve to the degree that there appears to be little risk of students contracting COVID-19 by coming to class, I will reconsider; but since my first priority is your health and wellbeing, I want to play it safe. So please assume that we will NOT be meeting in person unless I notify you otherwise. *Also note that even in the event that we are able to hold in-class meetings, any student in the class will still be able to participate in this class entirely online if they are overseas or have concerns about attending in-person meetings.*

If you are considering enrolling, or if you are still on the fence and would simply like to learn more about the course content, please visit the following signup sheet page on Google Docs so that I can send you an invitation to the course site:

<https://docs.google.com/forms/d/1bR2MzFYjbnVXDslk5diy0P8MMZbIas39QNVt0ysRY-I/edit?usp=sharing>

IMPORTANT: I will NOT be using NUCT to teach this class. Our class will be taught on CANVAS and our weekly meetings will be held on ZOOM. After you fill out the signup sheet linked above, I will provide you with the password for accessing the CANVAS site and the URL for ZOOM. It is your responsibility to write me and request access to CANVAS before the semester starts.

Note that I will be opening the course site on Friday, April 1st. That way, you can view the online version of the syllabus, peruse the schedule of course readings, and even get a head start working on some of the lesson modules before the semester starts.

Required statement about course withdrawal: If you wish to withdraw from this class, please inform me in writing (by e-mail) as early in the semester as possible. If you write me before the ILAS deadlines for roster changes, your name will be removed from the roster. If you write me later than that, then your name will continue to appear on the roster, and you will be given a grade of absent (W or 欠).

Textbook	No required textbook for purchase. All course readings will be made available on the first day of class.
Reference Book	A list of optional readings and reference materials will be made available on our course site.

Culture and Representation			
Undergraduate / Graduate	Undergraduate	Registration Code	0055422
Course Category	Arts Liberal	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Fri. / 4 (14:45~16:15)		
Instructor	MA Ran		
Contact e-mail of the Instructor	<u>ma.ran.d8@f.mail.nagoya-u.ac.jp</u>		
<p>●Goals of the Course In this disorienting, globalizing world, the lives and existence of human beings are to great extent defined by the urban conditions they are enmeshed within and contending with. This course approaches major urban issues in modern societies by engaging with a wide spectrum of cultural texts drawn from films and other types of visual/image works such as photography, transmedia art projects/installations and anime.</p> <p>Our case studies pay particular attention to the social contexts and cities in contemporary East Asia. However, the ‘city’ will not be simply explored as the theme or ambience featured in these texts. Following our adventure of ‘entering’ the city as cultural texts (such as Tokyo, Osaka, Nagasaki/Hiroshima, Beijing, Taipei, and Seoul), with the socio-historical dimensions of urban space theoretically surveyed, we shall further direct our attention to the various types of urbanites and their mental life. We pay specific attention to the experiences of living in the city as an Other—in terms of our national, cultural, and gender identities, but also regarding how the cities and metropolitans both allure us and alienate us, defining who we are.</p>			
<p>●Objectives of the Course Overall, departing from our observations upon Asian metropolises/societies, students are expected to debate and discuss cinematic/visual/cultural texts in relation to the urban condition of local, regional and global scales. Through the lectures, students are expected to learn how to approach and critique the cultural space of cities by utilizing key concepts drawn from various theoretical perspectives such as cultural studies, visual culture, and sociology.</p>			
<p>●Course Content or Plan NOTE: this plan is tentative; for the finalized schedule and weekly readings please refer to the syllabus handed out on April 15th; screenings would be made available online when in-person meeting is not possible. For the zoom meeting information, write to the teacher before the first lecture.</p> <p>Week 1 INTRODUCTION (April 15th) Week 2 A CRITIQUE OF MODERNITY Week 3 CITY AS CULTURAL TEXT Week 4 FLÂNEUR: ROAMING IN THE CITY (Paris/Shanghai/Tokyo)</p> <p>Films for Reference: <i>Midnight Asia: Eat, Dance, Dream</i> (Tokyo episode), Netflix Original Documentary, 2022</p> <p>Week 5 TOKYO, OR ELSEWHERE Films for Reference: <i>Ghost in the Shell</i>, Dir. OSHII Mamoru, 1995 <i>Swallowtail Butterfly</i>, Dir. IWAI Shunji, 2008</p> <p>Week 6 THE DISAPPEARING CITY: RUINS & MONUMENTS I (Hiroshima/Nagasaki) Film for Reference: <i>Hiroshima Mon Amour</i>, Dir. Alain RESNAIS, 1959</p> <p>Week 7 THE DISAPPEARING CITY: RUINS & MONUMENTS II (Beijing/Shanghai), with in-class screening</p> <p>Week 8 HAUNTING CITIES: THE UNCANNY & THE GHOSTLY Films for Reference (TBA)</p> <p style="text-align: center;">LIVING AS “THE OTHER” IN THE CITY I: Debating Zainichi</p>			

Week 9 SCREENING: **Pacchigi!** 『パッチギ!』 Dir. Kazuyuki Izutsu, 2005

Week 10 LECTURE+DISCUSSION

LIVING AS “THE OTHER” IN THE CITY II: Half? /Whole?

Week 11 SCREENING: **HAFU: THE MIXED-RACE EXPERIENCE IN JAPAN**/ハーフ, Dir. Megumi Nishikura, Lara Perez Takagi, 2013; **WHOLE**, short, Dir. Bilal Kawazoe, 2021. [<https://www.whole-movie.com/>]

Week 12 LECTURE+DISCUSSION

Week 13 LIVING AS ‘THE OTHER’ IN THE CITY III: Diaspora & Cinema

Week 14 GROUP PRESENTATION (details TBA)

Week 15 THESIS WORKSHOP

●Course Prerequisites and Related Courses

This survey course is basically open to all undergraduate students who have demonstrated certain interest in cinema and other visual medium, and have the competency in reading and analyzing undergraduate-level cultural texts in English. Preferably the students could already use English-language skillfully, and are prepared to write in English for short essays and to present in English.

●Course Evaluation Method and Criteria

40% Attendance + Participation (contribution to class discussions/presentation/Perusal Reading)
30% Reading Journals (15%x2)/300-word each/Details TBA.
30% Final Paper/Details TBA

NOTE: 3 absences (three times or more), including those for **in-class screenings** without proper evidence provided equals FAIL. Policy for the withdrawal applies, but please notify the teacher as soon as possible.

●Study Load (Self-directed Learning Outside Course Hours)

Pending on the English ability: 2-2.5 hours per/week for the reading; longer if there are films for reference (optional, if they are not indicated as a “Screening”).

●How to Respond to Questions

Email, Online meeting via appointments, and Perusal (social reading platform).

●Notice for Students

Plagiarism: A writer who presents the ideas of words of another as if they were the writer’s own (that is, without proper citation) commits plagiarism. Plagiarism is not tolerable in this course or at Nagoya University. You should avoid making quotes or drawing on figures from nowhere—you must provide sources of reference for quotation and/or citations you use in the paper. This applies to images and media clips as well. Failure to observe this would risk being charged of plagiarism.

[All assignments/papers will be checked with professional software]

●Message from the Instructor

“Cities, like dreams, are made of desires and fears, even if the thread of their discourse is secret, their rules are absurd, their perspectives deceitful, and everything conceals something else.”

– Italo Calvino, *Invisible Cities*

When we could only meet online in our zoom avatars at a time when overseas trips—either leaving home or returning home—become extremely difficult, promises about trips to the cities we love and desire seem like a cruel joke. But I hope we can explore the in/visial cities together with the imaginations offered by films, anime and videos—to understand our own identities and positionings in the world better.

Textbook	A compilation of readings(digitized)
Reference Book	A compilation of readings(digitized)
Reference Website for this Course	For any course-related questions, please refer to our Persusal page and/or write to Ma Ran: ma.ran.d8@f.mail.nagoya-u.ac.jp

Special Lecture (Studium Generale II)

Undergraduate / Graduate	Undergraduate	Registration Code	0055521
Course Category	InterD Liberal	Credits	2.0
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Fri. / 5 (16:30~18:00)		
Instructor	VASSILEVA Maria		
Contact e-mail of the Instructor	mnvassileva@ilas.nagoya-u.ac.jp		

●Goals of the Course

The name “Studium Generale” means “General Studies” in Latin and comes from old European universities, still used in many German universities. Studium Generale B course offers exposure to academic topics from the field of social sciences, presented at an introductory level. The goal is to expose students to topics outside their major or research field, to different ideas – from both the speakers and other participants. For students from the regular Japanese program, it offers an opportunity to experience university lectures in English. The course cultivates a multifaceted view of the world and communication skills, which are fundamental competencies for future members of the society.

●Objectives of the Course

Students will increase their understanding and appreciation of wide range of scientific fields in social sciences. Students will gain experience discussing with participants from other majors and countries. Student develop these competencies while using English language.

●Course Content or Plan

The format of the course includes (1) recorded talks by invited speakers and (2) guided discussions among participants.

A different speaker, from Nagoya University or elsewhere, gives each talk thus the content of each class session is different.

This course is conducted entirely online. The lectures are provided as recorded videos and are accessible any time (on-demand online). Class time is used for interactive group discussions (live online).

The exact schedule and instructions on how to access the course materials will be provided on NUCT.

●Course Prerequisites and Related Courses

No prior scientific knowledge is required. Everyone is welcome! However, students should have at least intermediate English language abilities and be able to listen, speak and write in English.

●Course Evaluation Method and Criteria

"This course provides a choice of TWO LEARNING TRACKS:

(1) Individual Learning Track:

Written report for each lecture (70%); Participation in 5 discussion sessions (30%).

(2) Team Project Learning Track:

Written report for 5 lectures (40%); Participation in 5 discussion sessions (30%); Team project (30%).

Lecture reports grading criteria: Each report should answer the provided questions and be several sentences long. Grading criteria for reports: (1) understanding lecture content, (2) logical thinking and analysis of lecture content, (3) organization of text, and (4) English language usage. A detailed grading rubric is provided on the course site.

Team project grading criteria: Each team should prepare one project using a topic related to one course lecture. The project should be the work of the entire team and be presented in English during the designated class at the end of the course. The project is graded based on (1) team effort, (2) topic development, (3) presentation and (4) English language usage.

Withdrawal (W) grade: Students who do not intent to complete the course need to inform the course manager of their desire to withdraw through direct email/NUCT message. This can be done at any time during the course. Students who register but never come to class will receive an W grade. この講義を最後まで履修しない場合には、履修取り下げ届を提出すること。この手続きは、授業期間中いつでも可能。"

●Study Load (Self-directed Learning Outside Course Hours)

This course will expect watching lecture videos and submitting report on the lecture content outside class hours. The report completion may sometime involve independent small online research. Students who choose Team project learning track will work on their project outside class hours.

●How to Respond to Questions

For any questions, email the course manager Prof. Vassileva at the provided email address.

●Notice for Students

1. This course is conducted in English and is entirely online.
2. Note that this course is also an open course! Participants who are not undergraduate university students register through a separate course website. Students taking this course for credit do not need to register there. Participants registering for the Open Course (through the separate course website) follow separate requirements to receive a Certificate of Completion. These requirements DO NOT apply to credit-seeking students registering as ILAS course.

●Message from the Instructor

Videos of some previous Studium Generale lectures may be seen on Nagoya University OCW page:

http://ocw.nagoya-u.jp/index.php?lang=en&mode=c&id=624&page_type=index

Some lectures have been translated into Japanese and added to the NUAcL webpage:

<http://nuact.ilas.nagoya-u.ac.jp/ocw/index.html>

Textbook	none
Reference Book	none

German 4			
Undergraduate / Graduate	Undergraduate	Registration Code	0035514
Course Category	Basic GE, Language I	Credits	1.5
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Fri. / 5 (16:30~18:00)		
Instructor	MIYAKE Kyoko		
For more information, please see the syllabus on NU Portal. (In Japanese only)			
NU Portal → Student affairs → Course registration and grading → Syllabus → Search Syllabus			

French 4			
Undergraduate / Graduate	Undergraduate	Registration Code	0035515
Course Category	Basic GE, Language I	Credits	1.5
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Fri. / 5 (16:30~18:00)		
Instructor	GARRABET Christophe jean-francois		
For more information, please see the syllabus on NU Portal. (In Japanese only)			
NU Portal → Student affairs → Course registration and grading → Syllabus → Search Syllabus			

Russian 4			
Undergraduate / Graduate	Undergraduate	Registration Code	0035516
Course Category	Basic GE, Language I	Credits	1.5
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Fri. / 5 (16:30~18:00)		
Instructor	DATSENKO Ihor		
For more information, please see the syllabus on NU Portal. (In Japanese only)			
NU Portal → Student affairs → Course registration and grading → Syllabus → Search Syllabus			

Chinese 4			
Undergraduate / Graduate	Undergraduate	Registration Code	0035517
Course Category	Basic GE, Language I	Credits	1.5
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Fri. / 5 (16:30~18:00)		
Instructor	TSUJI Chiharu		
For more information, please see the syllabus on NU Portal. (In Japanese only)			
NU Portal → Student affairs → Course registration and grading → Syllabus → Search Syllabus			

Spanish 4			
Undergraduate / Graduate	Undergraduate	Registration Code	0035518
Course Category	Basic GE, Language I	Credits	1.5
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Fri. / 5 (16:30~18:00)		
Instructor	APAZA Pablo		
For more information, please see the syllabus on NU Portal. (In Japanese only)			
NU Portal → Student affairs → Course registration and grading → Syllabus → Search Syllabus			

Korean 4			
Undergraduate / Graduate	Undergraduate	Registration Code	0035519
Course Category	Basic GE, Language I	Credits	1.5
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Fri. / 5 (16:30~18:00)		
Instructor	RYU JU-YEON		
For more information, please see the syllabus on NU Portal. (In Japanese only)			
NU Portal → Student affairs → Course registration and grading → Syllabus → Search Syllabus			