# Syllabus Fall AY2022 for International Programs (Term G-III)

(Clicking a course title will jump to the syllabus)

**Monday Courses**

- Health and Sports Science: Practicum (Exercise and Sports II (Badminton))
- Academic Japanese (Reading and Writing) V
- Special Mathematics Lecture（Mathematics for machine learning） *Optional subject

**Tuesday Courses**

- Science of Materials
- Academic English Advanced 3
- Preparedness for Imminent Natural Disasters
- Academic Japanese (Listening and Presentation) I
- Academic Japanese (Listening and Presentation) III

**Wednesday Courses**

- Academic Writing
- Laboratory in Physics
- Comparative Studies of Cultures
- Business Japanese I
- Special Mathematics Lecture (Groups and their representations) * Optional subject

**Thursday Courses**

- Thinking about Japanese Society in the 21st Century from Gender Perspectives
- Complex Analysis
- Academic Japanese (Reading and Writing) I
- Academic Japanese (Reading and Writing) III

**Friday Courses**

- Introduction to Biology
- Special Lecture (Go in Japanese Culture)
- Business Japanese III
- Special Lecture (Studium Generale I)

# Health and Sports Science Practicum (Exercise and Sports II (Badminton))

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| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0061431 |
| **Course Category** | Basic GE, Sports | **Credits** | 1.0 |
| **Term (Semester) / Day / Period** | G-III (2nd year, Fall Semester) / Mon / 4 (14:45 16:15) | | |
| **Instructor** | KATAYAMA Keisho | | |

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

**ðObjectives of the Course**
The objectivities of this class are to emphasize the development of fundamental BADMINTON skills, knowledge of game rules, and tactics of play. The students play mixed doubles. The students are expected to deepen their understanding of this game and also to communicate well with a partner in class.

**ðCourse Contents or Plan**
1. An orientation session for incoming freshmen.
2. An orientation session for badminton class.
3. The rules of the doubles game.
3. Fundamental skill training.
4. Adapted skill training.
5. Team offensive and defensives tacti

**ðCourse Prerequisites and Related Courses**
Comfortable SPORTSWEAR and INDOOR SPORTS SHOES must be worn. If the appropriate attire is not worn to this class, attendance will not be counted. The students who do not have enough clear eyesight, the use of glasses or contact lens is strongly recommended.

**ðCourse Evaluation Method and Criteria**
Evaluated by the ATTENDANCE and active participation (70%), badminton skills and knowledge (20%), and communication skills (10%). The students missing more than FOUR classes for any reason 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. Students need to request a course withdrawal via email or NUCT message before the end of the 4th class (including the first orientation class). In principle, instructors may not give students a grade of ñWithdrawalò without the notification of the course withdrawal. However, in the case of an avoidable reason, such as sickness, or no school attendance, the instructor may give a grade of ñWithdrawalò based on their judgment.

**ðStudy Load (Self-directed Learning Outside Course Hours)**
The self-directed learning is about understanding rules of the doubles game, fundamental skills, and team offensive and defensives tactics.

**ðHow to Respond to Questions**
The students send questions to the Instructor by e-mail or message mail on NUCT

**ðNotice for students**
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 badminton. Please send a message through NUCT if you have a question or inquiry.

**ðMessage from the Instructor**
We wish you have a lot of fun with us in the course.

**ðCourses taught by Instructors with practical experience**
This class is for beginners.

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| **Textbook** | The website about badminton will be introduced in class if necessary. |

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| **Reference Book** | If necessary, the book will be introduced in class. |
| **Reference website for this Course** | https://bwfbadminton.com/ |

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# Academic Japanese(Reading and Writing)Ⅴ
# (New: Academic Japanese 5 (Kanji 2200))

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| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0061511 |
| **Course Category** | Basic GE, Language I | **Credits** | 1.5 |
| **Term (Semester) / Day / Period** | Fall Semester / Mon / 5（16:30～18:00） | | |
| **Instructor** | TOKUHIRO Yasuyo | | |

**●Goals of the Course【Standardized across all programs】**
This course aims to help students build an advanced knowledge of kanji so they can understand and use 2,200 kanji and kanji vocabulary. This course is for those who have learned about 800 kanji to increase the vocabulary of the kanji they have learned and to learn more new kanji.

**●Objectives of the Course**
Participants learn about 2,200 kanji and kanji words listed by frequency. To increase vocabulary, every class students take a reading test and, optionally, a writing test (240-640 words with 80 kanji). It is followed by the instructor lecturing on topics related to kanji, including the rules of Japanese kanji pronunciation, the rules of kanji transitive/intransitive verbs and passive/causative forms.

**●Course Contents or Plan**
**(will not appear on the syllabus booklet but on our website“NUOCW名大の授業”)**

アカデミック日本語（読解・文章表現） ５／漢字２２００ | Courses (nagoya-u.jp)

**●Course Prerequisites and Related Courses**
Participants should already know about 600-800 kanji.

**●Course Evaluation Method and Criteria**
Attendance: 30%, Participation: 20%, Kanji tests: 50%
・Students who withdraw from this course must notify the instructor in charge in a written form(email, NUCT, etc.)
・If a student is absent from classes more than 4 times, the grade will be “Absent.”

**●Study Load (Self-directed Learning Outside Course Hours)**
Students' homework is to learn 80 kanji and 240-640 words every week.

**●How to Respond to Questions**
Respond to questions by email or during class.

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| **Textbook** | 『日本語学習のための よく使う順 漢字２２００』 三省堂 2,500 円+税<br>ISBN978-4-385-14074-2 |
| **Reference Book** | 『日语学习常用汉字 2100』四川大学出版社（簡体字中国語版） |
| **Reference website for this Course** | 後半の練習問題：<br>https://dictionary.sanseido-publ.co.jp/dicts/ja/kanji2200/wb/yomikaki_Q-A/index.html<br><br>アカデミック日本語（読解・文章表現） ５／漢字２２００ | Courses (nagoya-u.jp) |

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# Special Mathematics Lecture（Mathematics for machine learning）
## ＊Optional subject

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| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0061621 |
| **Course Category** | Sciences Basic | **Credits** | 2.0 |
| **Term (Semester) / Day / Period** | Fall Semester / Mon / 6 (18:15～19:45) | | |
| **Instructor** | BACHMANN Henrik | | |

**●Goals of the Course**
Machine learning became a popular and really broad field in recent years. Machine learning algorithms are used in a wide variety of applications, such as email filtering, computer vision, medicine, language translation, computer games, economic, etc. The goal of this course is to give a brief introduction into machine learning with a focus on the mathematics and algorithms used in machine learning. It is targeted at any (international and Japanese) student at Nagoya University who has interest in machine learning and who wants to see some practical application of mathematics taught in the basic math classes.

**●Objectives of the Course**
In this course, we will consider various specific algorithms used in machine learning. For each algorithm we will study the mathematics used in this algorithm and try to implement the algorithm in python. The plan is to encourage group work among the students so that students with different background knowledge can help out each other. For the programming part we will use Google Colab. It can be seen as a bridge between the basic math classes and the engineering/computer science classes.

**●Course Contents or Plan**
Introduction to programming in Python, overview of machine learning, minimax algorithm, linear & logistic Regression, Generative Learning algorithms: Naive Bayes, Support vector machines, Reinforcement Learning: Q-Learning, Unsupervised learning: k-means clustering, Neural networks.

**●Course Prerequisites and Related Courses**
Background knowledge in programming in Python (e.g. Data Science Exercise B) is helpful, but also students without programming background can use this class to start learning programing. The course will start with a basic introduction to Python. It is expected that the students have basic knowledge in Linear Algebra and Calculus (e.g. Linear Algebra I, Calculus I). Knowledge in Calculus II can be helpful at some points, but is not necessary to understand most parts of the course.

**●Course Evaluation Method and Criteria**
The final grade will be based on written homework and programming tasks.

**●Study Load (Self-directed Learning Outside Course Hours)**
Depending on the background knowledge in programming some students might need to learn Python outside of the lecture. We will offer an additional Tutorial organized by TAs for this.

**●How to Respond to Questions**
By email and/or by a discord server which will be used for the class.

**●Notice for students**
You will get updated information on the course homepage: https://www.henrikbachmann.com/mml2022.html

**●Message from the Instructor**
Any student interested in this subject is welcome. Japanese students who want to attend a lecture in English are highly welcomed and there will be Japanese TAs to help if there are any language problems.

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| **Textbook** | A list of free online sources and books will be provided during the lectures. But we will also create lecture notes together during the course. |
| **Reference Book** | None |
| **Reference website for this Course** | https://www.henrikbachmann.com/mml2022.html |

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# Science of Materials

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| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0062231 |
| **Course Category** | Sciences Liberal | **Credits** | 2.0 |
| **Term (Semester) / Day / Period** | G-III (2nd year, Fall Semester) / Tue / 2 (10:30～12:00) | | |
| **Instructor** | GELLOZ Bernard Jacques | | |

**●Goals of the Course**
This course provides students with the skills required to analyze and understand phenomena in the field of materials sciences and related interdisciplinary fields.

**●Objectives of the Course**
To introduce universal concepts in Science and their application to materials. To understand the relationships that exist between the structural elements of materials (microscopic properties) and their properties and performance (macroscopic properties). Students will be able to understand the origins and mechanisms of materials mechanical, electrical, thermal, magnetic, and optical properties.

**●Course Contents or Plan**
The course begins with an introduction of the atomic and crystal structures of materials. Then, materials mechanical, electrical, thermal, magnetic and optical properties will be covered both fundamentally and technologically, according to the plan below:
Atomic Structure and Interatomic Bonding; Crystal Structures
Mechanical Properties; Electrical Properties; Thermal Properties; Magnetic Properties; Optical Properties

**●Course Prerequisites and Related Courses**
Some basic knowledge on calculus and chemistry from high school is beneficial but not necessary.
Ideally, having taken related courses such as Fundamentals of Physics and Chemistry would be beneficial.

**●Course Evaluation Method and Criteria**
For course withdrawal student are encouraged to send a notification to the instructor using NUCT messaging. Those who are absent without valid reason from any scheduled tests will receive an "W(Absent)" grade.
Evaluation will be based on class participation, midterm and final examinations.
Class participation: 10%; Midterm examination: 40%; Final examination: 50%.

**●Study Load (Self-directed Learning Outside Course Hours)**
There is no homework. The time required outside class to prepare for examinations and understand the content will depend on how much attention is paid in class. If students follow and understand everything in class, the load outside course hours will be low.

**●How to Respond to Questions**
Students are encouraged to ask questions in class. Outside class, any questions may be asked using NUCT messaging or forum service, or directly by email to the instructor, or by arranging a meeting (Zoom or face-to-face).

**●Message from the Instructor**
In the title of this course, there are two important words: “Science” and “Materials”. The course will be very beneficial to Science/Engineering majors in multidisciplinary fields. The course is designed to be mostly qualitative and easy to follow, while introducing advanced universal concepts of Physics and Chemistry, which should be useful to future Physicists, engineers, chemists, biologists. Students from other majors will get a better understanding of the aspects of materials (constituents; structure; manufacture; costs, etc.) that may be important in their field.

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| **Textbook** | William D. Callister, David G. Rethwisch: Fundamentals of Materials Science and Engineering: An Integrated Approach (John Wiley & Sons). ISBN: 978-1-119-17550-6 |
| **Reference Book** | William D. Callister, David G. Rethwisch: Materials Science and Engineering: An Introduction (John Wiley & Sons) |
| **Reference website for this Course** | |

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# Academic English Advanced 3

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|---|---|---|---|
| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0062431 |
| **Course Category** | Basic GE, Language I | **Credits** | 2.0 |
| **Term (Semester) / Day / Period** | G-III (2nd year, Fall Semester) / Tue / 4（14:45～16:15） | | |
| **Instructor** | NILEP Chad Douglas | | |

**●Goals of the Course**
This course is intended to develop and integrate students' abilities in reading, writing, listening, and speaking at an advanced level in academic English. The course aims to help students acquire skills for making effective presentations on various occasions such as academic conferences and business meetings.

**●Objectives of the Course**
Students will develop knowledge and skills necessary for university study. Students will read studies about Japanese culture and society, and lead discussion. They will carry out their own research of culture, society, or language. They will deliver an oral presentation about their project, and write a clear and convincing paper based on the project.

**●Course Contents or Plan**
[Schedule and contents subject to change]
Week 1: Class introduction; How to lead a discussion
Week 2: Types of academic writing; How to write a research proposal; The photo essay
Week 3: Research methods; Designing your own projects
Week 4: Reading 1 (Japanese culture); Writing a thesis statement
Week 5: Reading 2 (Japanese culture); Writing paragraphs
Week 6: Reading 3 (Japanese language); Logic in academic writing
Week 7: Reading 4 (Japanese society); Writing research papers and essays
Week 8: Reading 5 (gender in Japan); Citing sources, avoiding plagiarism
Week 9: Reading 6 (gender in Japan); Structure of a presentation
Week 10: Using notes or scripts for presentations
Week 11: Using your voice effectively
Week 12: Using visual aids (or not) during a presentation
Week 13: Dealing with questions after a presentation
Week 14: FINAL PRESENTATIONS
Week 15: FINAL PRESENTATONS; RESEARCH PAPERS DUE

**●Course Prerequisites and Related Courses**
N/A

**●Course Evaluation Method and Criteria**
10% Participation; 20% Preparing and leading one class discussion (done on weeks 4~9); 10% Research proposal; 30% Final presentation; 30% Research paper.
Please notify the instructor in writing if you want to withdraw from the course.

**●Study Load (Self-directed Learning Outside Course Hours)**
Read academic articles; Prepare to lead a class discussion; Propose and carry out a research project; Write a research proposal; Prepare a presentation for delivery in class; Research and write your final paper.

**●How to Respond to Questions**
Contact using Messages in NUCT (preferred), or by email (nilep@ilas.nagoya-u.ac.jp). Office hours by appointment.

**●Notice for students**
The university has not yet finalized implementation methods for Fall Semester AY2022. In principle, this course is expected meet face-to-face. If necessary, educational consideration will be provided using ICT-based remote access for students who cannot attend face-to-face classes. Implementation may change, based on the implementation policy for Liberal Arts and Sciences Courses.

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| **Textbook** | Readings will be provided by the instructor using NUCT |

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| **Reference Book** | Provided by students or the instructor if necessary |
| **Reference website for this Course** | https://ct.nagoya-u.ac.jp/portal (NUCT) |

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# Preparedness for Imminent Natural Disasters

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| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0062531 |
| **Course Category** | InterD Liberal | **Credits** | 2.0 |
| **Term (Semester) / Day / Period** | G-III (2nd year, Fall Semester) / Tue / 5（16:30～18:00） | | |
| **Instructor** | LELEITO Emanuel | | |

**●Goals of the Course**
The risk of natural disasters increases due to various factors and may affect the sustainability of society. Disaster prevention and mitigation requires objective analysis of hazard predictions considering changes in the global environment, the vulnerabilities inherent in modern society, the conditions that induce disasters, and the capacity for responding flexibly to disasters (resilience). In addition, knowledge sharing and the collaboration between stakeholders in various fields is necessary. This course gives students of any academic specialty an opportunity to think about "what we need to do" and "what we need to learn" in order to build a society that is sustainable against future disasters.

**●Objectives of the Course**
(1) Content Knowledge: students will acquire a basic understanding of disaster risk reduction (DRR) and related social and technical innovations focusing on the experience of Japan.
(2) Transferable Skills: student will develop creative thinking and problem-solving skills useful both within and outside the DRR context through DRR related exercises and projects.

**●Course Contents or Plan**
Japan has become a world leader in disaster risk reduction (DRR) due to the constant need for innovation to cope with frequent and potentially catastrophic natural hazards. Participants in this course will critically examine current innovative DRR solutions (social and technical) and how these solutions have succeeded or failed to protect human life and property during major disasters such as the Tohoku Triple Disaster. Then focusing on the imminent Tokai Earthquake, the participants will work in groups to study the current state of disaster preparedness in the Tokai area, and generate creative ideas and proposals for improving DRR at the personal, institutional, or governmental level. Where necessary, basic training on useful creative thinking and problem-solving techniques will be provided to support students' creative idea generation. The course may include a field study and/or a service-learning component.

**●Course Prerequisites and Related Courses**
There are no prerequisites for taking this course.

**●Course Evaluation Method and Criteria**
Class participation: 30%, Reports/Projects: 40%, Final Presentation: 30% (No written exam).

Withdrawal policy: Any student who wishes to withdraw from this course does not need to submit a Course Withdrawal Request. However, they are required to notify and get confirmation from the instructor (e.g., via email). Those who notify the instructor will be get an "Absent (W)" grade, while those who withdraw without notifying the instructor will get an "Fail (F)" grade.

**●Study Load (Self-directed Learning Outside Course Hours)**
Bi-weekly reports and class participation will be reflected in your grade. Assignments are given to help students prepare so that they can fully participate in each class session.

**●How to Respond to Questions**
Students are encouraged to ask questions during class. Outside of class hours, it is recommended that students sent questions using NUCT messenger function (or any other convenient means that the students and the instructor agree to use for class communications).

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| **Textbook** | The lecturer will provide reading materials and recommend other topic related reference materials in class |
| **Reference Book** | The lecturer will provide reading materials and recommend other topic related reference materials in class |
| **Reference website for this Course** | |

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# Academic Japanese (Listening and Presentation) I
# (New: Academic Japanese 1B)

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| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0062611 |
| **Course Category** | Basic GE, Language I | **Credits** | 1.5 |
| **Term (Semester) / Day / Period** | Fall Semester / Tue / 6 (18:15～19:45) | | |
| **Instructor** | SEKIGUCHI Mio | | |

**●Goals of the Course【Standardized across all programs】**

This course is intended to develop students' listening comprehension skills for longer audio segments and learn how to make simple academic presentations. The course designed to promote understanding of the way of basic presentations.

**●Objectives of the Course**

At the end of the lecture, students are to
(i) understand the way of basic presentations.
(ii)be able to give a presentation in pertinent vocabulary and expressions in the academic situation.

**●Course Contents or Plan**

・Prepare and perform four or five short speeches
-talking about yourself
-expressing your opinion
-introducing your favorite place
Other topics will be informed in the class.
・Listening comprehension practice

**●Course Prerequisites and Related Courses**

Class materials are designed for lower-level intermediary students.
Students are required to have finished Basic Japanese Courses.

**●Course Evaluation Method and Criteria**

Attendance & Class Participation: 50%, Assignment（Speech drafts & Listening worksheets): 25%,
Final Examination (Speech & Listening): 25%
・Students who withdraw from this course must notify the instructor in charge in a written form(email, NUCT, etc.)
・If a student is absent from classes more than 4 times, the grade will be “Absent.”

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

Students must prepare for presentations outside of the class hours, and submit self-assessments after their presentation.

**●How to Respond to Questions**

Respond to questions by email or during class.

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| **Textbook** | Will be introduced in the class. |
| **Reference Book** | 『留学生のためのアカデミック・ジャパニーズ聴解［中級］』スリーエーネットワーク |
| **Reference website for this Course** | |

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# Academic Japanese(Listening & Presentation) III
# (New: Academic Japanese 3B)

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| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0062612 |
| **Course Category** | Basic GE, Language I | **Credits** | 1.5 |
| **Term (Semester) / Day / Period** | Fall Semester / Tue / 6 (18:15～19:45) | | |
| **Instructor** | KATO Jun | | |

**●Goals of the Course【Standardized across all programs】**

This course is intended to develop and integrate students' abilities in listening and speaking at an advanced level in academic Japanese. The course aims to help students acquire skills for making effective presentations in specialized fields.

**●Objectives of the Course**

At the end of the lecture, students are to

(i) be able to give a presentation in an appropriate expression and style of the academic situation.

(ii) be able to ask a question appropriately and give an answer definitely regarding question.

**●Course Contents or Plan**

The semester will cover the former half of the textbook as following:

Lesson 1: Listening practices
Lesson 2: Listening practices -part 1-1.
Lesson 3: Listening practices -part 1-2.
Lesson 4: Listening practices -part 2-1.
Lesson 5: Listening practices -part 2-2.
Lesson 6: Listening practices / making an outline of the presentation -part 1.
Lesson 7: Listening practices / making an outline of the presentation -part 2.
Lesson 8: Review.
Lesson 9: Listening practices / making an outline of the presentation -part 3.
Lesson 10: Listening practices / making an outline of the presentation -part 4.
Lesson 11: Listening practices / making an outline of the presentation -part 5.
Lesson 12: Student presentation -part 1.
Lesson 13: Student presentation -part 2.
Lesson 14: Review and discussion.
Lesson 15: Review, reflection, and course evaluation.

**●Course Prerequisites and Related Courses**

Class materials are designed for advanced students.

In this semester the former half of the designated textbook is mainly used. The latter half of it is used in Academic Japanese 4B in spring semester.

**●Course Evaluation Method and Criteria**

Students who need the course credits are required to meet the following conditions:

Mid-term quiz 20%　Presentation and self-assessment check 30%　Final exam 20%　Participation and Portfolio 30%
TOTAL 100%

*It will be graded following the 5-step(S/A/B/C/F) or the 6-step(A+/A/B/C/C-/F) grade evaluation system, depending on the year of enrollment.

*Students do not need to submit a Course withdrawal Request for course withdrawal. For those who be absent from class more than 4 times, will receive an "W (absent) grade.

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

*Students should download materials through NUCT and check some assignments on it before the class starts.
*In each class, students are required to do a 3 sentences speech.
*Students must prepare for presentations outside of the class hours, and submit self-assessments after their presentation.

**●How to Respond to Questions**

You can contact the instructor through Message function on NUCT or directly contact at the e-mail address.

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| **●Notice for students**<br>Students are required to prepare for the textbook by the second lesson. (If you cannot obtain the text books, please ask instructor through e-mail.)<br><br>*The first lesson of the course will commence on October 4, 2022.<br>*This course is conducted face-to-face.<br>*The progress and contents of the lesson may change depending on the situation. | |
| **Textbook** | 『アカデミック・スキルを身につける　聴解・発表ワークブック』スリーエーネットワーク, "Academic Skill wo minitukeru Choukai / Happou Workbook" 3A Network, 2007.(ISBN: 978-4883194261) |
| **Reference Book** | To be informed in class. |
| **Reference website for this Course** | To be informed in class. |

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# Academic Writing

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|---|---|---|---|
| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0063311 |
| **Course Category** | Arts Liberal | **Credits** | 2.0 |
| **Term (Semester) / Day / Period** | Fall Semester / Wed / 3（13:00～14:30） | | |
| **Instructor** | NISHINO Ryota | | |

**●Goals of the Course【Standardized across all programs】**

The goal of this class is to introduce students to the craft of academic writing. Students will be able to apply the skills they learn in this class to writing essays in other courses in the fields of social sciences, arts, and humanities in particular. In addition, this course aims to equip students with the necessary writing skills to complete their undergraduate studies and prepare for more advanced levels of writing.

**●Objectives of the Course**

The course introduces students to crucial stages of writing: pre-writing, writing and revising. Each stage involves multiple skills. Upon successful completion, students can expect to apply the skills and experience gained in this course to a range of assignments including the undergraduate thesis.

**●Course Contents or Plan**

**Pre-writing**

Week 1. Orientation. Overview of the course. What is and is not academic writing?

Week 2. Decoding instruction words. Finding and evaluating sources.

Week 3. Managing sources: reading and taking notes.

**Writing**

Week 4. Academic integrity. Avoiding plagiarism. Quoting, summary, and paraphrasing

Week 5. Paragraphs: types and structures

Week 6. Paragraphs: continued

Week 7. Review test

Week 8. Planning your essay and thesis statement

Week 9. Writing introductions and conclusions

Week 10. Citation and bibliography

**Revising**

Week 11. Structure and content

Week 12. Sentences: Redundancy and wordiness

Week 13. Spelling, punctuation and vocabulary

Week 14. Peer review activity

Week 15. Final write-up

**●Course Prerequisites and Related Courses**

None.

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**●Course Evaluation Method and Criteria**

Review test 20%
Assignment 1 — Annotated Bibliography 15%
Assignment 2 — Essay Plan 15%
Assignment 3 — Essay 1, 20%
Assignment 4 — Essay 2, 30%

Students need to notify the course withdrawal to the instructor when they have no intention of finishing the course during the semester.
Students who are absent more than four times will receive a W grade.

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

Where indicated, study assigned materials before classes. Materials include readings, videos, podcasts, and other resources.

Use time outside classes effectively to prepare for classes and your assignments.

Submit assignments on time.

Participate in class activities and make meaningful contributions to discussions with peers.

**●How to Respond to Questions**

Please write to me via NUCT.

**●Message from the Instructor**

Academic writing and what goes into it is a lifelong skill, a process, and an art. Be patient with yourself and others. Most of all, enjoy!

**●Courses taught by Instructors with practical experience**

None

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| **Textbooks** | Greetham, Bryan. *How to Write Better Essays. 4th Edition.* London: Macmillan International Higher Education, 2018.<br>Bailey, Stephen. *Academic Writing: A Handbook For International Students*. 5th Ed. London: Routledge, 2018.<br>Both books are available for downloading from Nagoya University's library website. |
| **Reference Books** | Academic writing is a thriving field of publication. The list is neither complete nor definitive. Students may find the following suitable starting points. If you are unable to obtain the latest edition from the library, please consult previous / older editions.<br><br>Taylor, Matthew A., and David E. Kluge. *Basic Steps to Academic Writing: From Paragraph to Essay*. Tokyo: Cengage Learning, 2012.<br>Taylor, Matthew A., and David E. Kluge. *Basic Steps to Writing Research Papers*. Tokyo: Cengage Learning.<br>Hacker, Diana. *A Writer's Reference*. Boston, MA, Bedford/St. Martins.<br>Turabian, Kate L. *A Manual for Writers of Research Papers, Theses, and Dissertations: Chicago Style For Students and Researchers*. Chicago: University of Chicago Press, 2018.<br>Oshima, Alice and Ann Hogue. *Writing Academic English*, 5th ed. |

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| | Note: Hacker, Turabian and Oshima are available for online reading at Internet Archive (https://archive.org/). Click the hyperlink above. Then you will get to the Internet Archive sites. However, you need to register to read. Free membership. |
| **Reference websites for this Course** | Many academic institutions provide tips and guidance for academic writing. Some are general advice; some are aimed at specific disciplines and citation styles. The list is neither complete nor definitive. Students may find the following suitable starting points.<br><br>The University of Adelaide Writing Centre:<br>https://www.adelaide.edu.au/writingcentre/resources<br>Purdue Writing Lab<br>https://owl.purdue.edu/writinglab/the_writing_lab_at_purdue.html<br>The Harvard College Writing Center:<br>https://writingcenter.fas.harvard.edu/pages/resources<br>The University of Sydney, Writing<br>https://www.sydney.edu.au/students/writing.html<br>Academic Phrasebank, Manchester University (free edition)<br>https://www.phrasebank.manchester.ac.uk/ |

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# Laboratory in Physics

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|---|---|---|---|
| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0063331 |
| **Course Category** | Sciences Basic | **Credits** | 1.5 |
| **Term (Semester) / Day / Period** | G-III (2nd year, Fall Semester) / Wed / 3 & 4（13:00～14:30, 14:45～16:15） | | |
| **Instructor** | ◎ISHIBASHI Kazunori, YOKOI Tatsuya, GELLOZ Bernard Jacques, AKAI Naoki, IMURA, Keiichiro | | |

**●Goals of the Course**

This is a course of physics laboratory experiments, aimed at learning physics as an experimental science. It is offered together with lecture courses such as Fundamentals of Physics, Mechanics, and Electromagnetism. In this class, students are to understand fundamental laws behind physical phenomena, to learn foundations of basic methods and principles of measurements, and also to acquire fundamental techniques of experiments. Students will also learn how to record, to analyze, and to present experimental data in a laboratory format through exercises.

**●Objectives of the Course**

Through using measuring devices such as a micrometer, a voltmeter, or an oscilloscope in laboratory practices, students are to learn how to measure various physical quantities with uncertainties. Concurrently, practice assignments related to the experiments are given to facilitate understanding of data analysis and writing of reports. Those are the objectives of this course.

There is a historical, intellectual, social, and technical background behind each subject covered in the experiments. The experimental equipment and methodologies covered in this course can be applied in the majority of fields related to natural science. Hence, students interested in physics as well as those majoring in other fields will discover the applicability of the lessons learned in their major through laboratory experiments performed in this class. Students are expected to learn from not only classroom lectures but also hands-on physics laboratory experiments, which constitute a fundamental academic skill required for future studies in their specific fields.

**●Course Contents or Plan**

The course is comprised of two key parts:

(1) Lectures and exercises on the basics of measurements and analysis
(2) Experiments[*1]
+ Acceleration due to gravity +Motion of electrons in magnetic field
+ Radiation and radioisotopes +Wavelength of light measurement with diffracting grating
+ Oscilloscope +Resonance of electrical circuit + Low temperature properties of materials

[*1] Laboratory practices may be changed based on university alert category level.

【Contingency Plans Under COVID-19 Pandemic】

Based on Nagoya University Alert Categories, the format of lessons in the course may be altered.

Under Category C (emergency) or Education Activities Level 4 or higher:

No in-person lectures, exercises or laboratory practices given. Online lectures and video-on-demand lessons shall be given to facilitate hands-on experience of laboratory exercises. The course hours shall be reserved to take questions from students in real time.

Under Category B (High Alert) or Education Activities Levels 2 or 3:

No in-person lectures and exercises may be given (online option only). Laboratory practices, however, may be given in person to those who prefer over online lessons; for the other, video-on-demand (online) lessons shall be given. Those who take the online lessons may ask questions during the course hours in real time.

Under Category A (Caution) or Education Activities Level 1 or lower:

In-person lectures, exercises, and laboratory practices may be given. For those who cannot participate in person, video-on-demand lessons shall be given (limited to those who cannot re-enter into Japan due to the restriction in immigration).

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After each laboratory practices, students are to receive general feedback on the proper use of an equipment or handling of data. This substitutes the hands-on part of the course’ s objectives.

**●Course Prerequisites and Related Courses**

It is preferable to take courses of Fundamentals of Physics, but is not required.

**●Course Evaluation Method and Criteria**

Evaluation will be based on participation and reports. Students will have to submit a report at the end of each session unless otherwise instructed. Class attendance is a very important factor affecting the approval of the credit of this course because the physical laboratory experiment class lays emphasis on class attendance and laboratory work performance. Students who are absent more than two times or who request the instructor via NUCT to withdraw from the course shall receive a “W” (withdrawal) grade*2.

*2 Absence grade may be given to those who entered the university prior to April 2020.

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

Students are to prepare for conducting each physical experiment by reading laboratory textbook and watching tutorial videos prior to each laboratory lesson. This helps ensure both the effectiveness of learning and the safety in conducting some exercises.

Students may also be asked to complete a laboratory report as an additional practice when instructed by course instructors.

**●How to Respond to Questions**

Students are encouraged to ask questions via messenger on NUCT to instructors and/or teaching assistants at any time.

**●Notice for students**

Students taking this course MUST attend the first class of this course to receive guidance and safety training in real time.

As noted earlier, participation in class is essential for learning laboratory practices. Practice makes it easy for attaining our goals and objectives. Hence, as extracurricular activities, students are to watch online videos (see Reference Website) to better prepare for laboratory practices in advance. While reports are generally prepared and handed in each class, some practices may require students to prepare and to submit a supplemental report. On average, students are to spend two to three hours outside the class to prepare for exercises and laboratory practices.

Lastly, students shall be notified of any announcement or course changes via NUCT. Please be advised that students are to check the course page on NUCT regularly.

**●Message from the Instructor**

This course is designed to prepare physics and engineering majors for taking an advanced laboratory course. Any other science-oriented majors are also invited to join the “phun”.

**●Courses taught by Instructors with practical experience**

Not applicable.

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|---|---|
| **Textbook** | Physics Laboratory Experiment Guidelines by ILAS, Nagoya University<br>**(the copy to be given electronically to each student)** |
| **Reference Book** | See references therein the Textbook |
| **Reference website for this Course** | https://elearn.ilas.nagoya-u.ac.jp/lms/pex_e/ |

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# Comparative Studies of Cultures

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|---|---|---|---|
| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0063411 |
| **Course Category** | Arts Basic | **Credits** | 2.0 |
| **Term (Semester) / Day / Period** | Fall Semester / Wed / 4（14:45～16:15） | | |
| **Instructor** | MCGEE Dylan | | |

**●Goals of the Course【Standardized across all programs】**
In today's world, conflicts and disputes based on differences in cultural backgrounds are becoming more and more serious. Living in such a world, we need to be willing to recognize the diversity of cultures. However, if we emphasize cultural diversity too much and "otherize" other cultures as if they were the stories of people in another world, we may lose our empathy as human beings, which may ultimately lead to a lack of understanding and indifference toward other cultures. The purpose of this course is to learn universal knowledge and perspectives on human beings and culture by focusing on not only the diversity of cultures but also the commonalities among them through the process of comparing them with each other.

**●Objectives 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. 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 Contents or Plan**
This course is a comparative survey of Japanese and Chinese visual storytelling, from the tenth century to the present. We will learn about different forms of visual media over time, technologies of writing, cultures of reception, and the many roles that manuscript/print/digital media has played as an agent of social change. We will also learn various theories and methods for interpreting visual narrative and consider how readers (as consumers and prosumers) have shaped the dynamics of storytelling over time. All required readings for this course will be in English translation, with some additional materials available in Chinese and Japanese. Prior background in East Asian Studies and/or Japanese and Chinese is recommended but not required.

Course content will be organized into fourteen individual modules, each focusing on a particular topic or theme. Note that between now and the start of the semester, the following topics are subject to slight modification:

Module 1: Course Overview
Module 2: Picture Scrolls
Module 3: Medieval/Early Modern Books
Module 4: Medieval/Early Modern Books
Module 5: Early Manga and Manhua
Module 6: Children's Literature
Module 7: Early Animation
Module 8: Interwar and Wartime Magazines
Module 9: Comicbooks (Lianhuanhua and Manga) during the 1970s and 1980s
Module 10: Dojinshi and Fan Fiction
Module 11: 1980s-1990s Video Games
Module 12: Media Mix and Transmedia Storytelling
Module 13: Webtoons and Web Manhua
Module 14: Digital Media and Participatory Culture

**●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, each with a different set of tasks and learning objectives that will culminate in a fixed grade. Upon successfully meeting all the objectives in their chosen track, students will earn the grade they signed up for. Students who choose the General Education Track, for example, will earn a B after completing ten of the fourteen lesson modules and writing a brief paper on an assigned topic. Students on the Research Track, in contrast, will earn an

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A+/S after completing all fourteen lesson modules, contributing to online discussion meetings, conducting self-directed research for their final paper, and giving an presentation based on their research topic. 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, September 30th (see below for details about how to access the course site before the start of the semester.

**●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**
All students are encouraged to post questions and comments about the readings before class (through a textbox on our course site). I read these before class, and direct discussion towards your questions and interests. Students are also welcome to ask questions at any point during our discussion meetings.

**●Notice for students**
***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 in person. After you fill out the signup sheet linked below, I will provide you with the password for accessing the CANVAS site. It is your responsibility to write me and request access to CANVAS before the semester starts. If you are considering enrolling, please add your name and address to the following signup sheet page on Google Docs so that I can send you an invitation to the course site:

https://forms.gle/naaQQ4Kx6Xyww1yJ7

Note that I will be opening the course site on Friday, September 29th. 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.

This class will be taught in-person for the duration of the Fall 2022 semester. If you would like to enroll in the class, please make sure that you have no scheduling conflicts with other classes meeting on the same day and time. There will be no special accommodations for students who double-book their schedules. Also, please note that after the semester starts, I will only accept enrollment requests from students who have attended at least one of the first three class meetings. Students should not write mid-semester asking to join the class.

Because this class has been scheduled on a day and time that directly conflicts with my faculty meetings in the Graduate School of Humanities, there will be three or four dates on which I cannot hold class in person. I expect that these dates will be: October 19th, November 16th, December 14th, and January 18th. On these days, I will have a recorded lecture and other materials that students can access on demand. These will substitute for the discussion meetings scheduled on those days. I also plan to block off office hours during those weeks for students who would like to discuss the material in real time.

*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).

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| **Textbook** | All course materials will be provided on the first day of class. There is no textbook to purchase. |
| **Reference Book** | A list of optional readings and reference materials will be made available on our course site. |
| **Reference website for this Course** | |

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# Business Japanese I
# (New: Business Japanese 1)

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|---|---|---|---|
| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0063611 |
| **Course Category** | Basic GE, Language I | **Credits** | 1.5 |
| **Term (Semester) / Day / Period** | Fall Semester / Wed / 6 (18:15～19:45) | | |
| **Instructor** | Kato Jun | | |

**●Goals of the Course【Standardized across all programs】**

This course is intended to develop and integrate students' abilities of basic knowledge of Japanese and expressions such as honorific language considered essential knowledge for business people in Japan. This course aims to help students acquire the communication styles and expressions required in Japanese business settings through roleplay exercise based on various themes. This course also covers basic knowledge of job hunting in Japan.

**●Objectives of the Course**

At the end of the lecture, students are to
(i) understand Japanese business culture.
(ii) be able to use appropriate expressions which are used for building better relationship in working situation.
(iii) understand the system of honorific language and be able to use honorifics properly.

**●Course Contents or Plan**

The semester will cover the former half of the textbook as following:
Lesson 1: Introductions -part 1.
Lesson 2: Introductions -part 2. / oral practice
Lesson 3: Introductions -part 3. / role-play
Lesson 4: Greetings -part 1. / oral practice
Lesson 5: Greetings -part 2. / role-play
Lesson 6: Permission -part 1. / oral practice
Lesson 7: Permission -part 2. / role-play
Lesson 8: Review and reflection.
Lesson 9: Requests -part 1.
Lesson 10: Requests -part 2.
Lesson 11: Requests -part 3.
Lesson 12: Presentation 1.
Lesson 13: Presentation 2.
Lesson 14: Presentation 3.
Lesson 15: Review, reflection, and course evaluation

**●Course Prerequisites and Related Courses**

Class materials are designed for higher-level intermediate students.
In this semester the former half of the designated textbook is mainly used. The latter half of it is used in Business Japanese 2 in spring semester.

**●Course Evaluation Method and Criteria**

Students who need the course credits are required to meet the following conditions:
Mid-term quiz 20%　Quizzes 10%　Role-play and Presentation 20%　Final exam 20%
Participation 30%　TOTAL 100%

*It will be graded following the 5-step(S/A/B/C/F) or the 6-step(A+/A/B/C/C-/F) grade evaluation system, depending on the year of enrollment.
*Students do not need to submit a Course withdrawal Request for course withdrawal. For those who be absent from class more than 4 times, will receive an "W (absent) grade.

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

*Students should download materials through NUCT and check some assignments on it before the class starts.
*In each class, students are required to answer and submit a quiz sheet.
*Students must memorize some expressions and prepare for role-play presentations outside of the class hours.

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**●How to Respond to Questions**
You can contact the instructor through Message function on NUCT or directly contact at the e-mail address.

**●Notice for students**
Students are required to prepare for the textbook by the second lesson. (If you cannot obtain the text books, please ask instructor through e-mail.)
*The first lesson of the course will commence on October 5, 2022.
*This course is conducted face-to-face.
*The progress and contents of the lesson may change depending on the situation.

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| **Textbook** | 『新装版　ビジネスのための日本語』スリーエーネットワーク,“Shinsoban, business no tame no nihongo," 3A Corporation, 2006. (ISBN: 978-4883194018) |
| **Reference Book** | To be informed in class. |
| **Reference website for this Course** | To be informed in class. |

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# Special Mathematics Lecture (Groups and their representations)
## ＊Optional subject

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|---|---|---|---|
| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0063621 |
| **Course Category** | Sciences Basic | **Credits** | 2.0 |
| **Term (Semester) / Day / Period** | Fall Semester / Wed / 6 (18:15～19:45) | | |
| **Instructor** | RICHARD Serge | | |

**●Goals of the Course**
Group theory plays an important role in many fields, as for example in quantum mechanics or in particle physics. During this one semester course, we shall introduce the main concepts of groups, their representations, and present some classical groups. Lie groups and Lie algebras will also be discussed.

**●Objectives of the Course**
Get enough knowledge about groups for perceiving their importance in several theories and for recognizing them in numerous applications.

**●Course Contents or Plan**
This course should cover the following topics: 1) Groups, 2) Linear representations, 3) Lie groups, 4) Semi-simple theory.

**●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.

**●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.

**●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.

**●How to Respond to Questions**
By email.

**●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.

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| **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/SMLfall2022.html |

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# Thinking about Japanese Society in the 21st Century from Gender Perspectives

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|---|---|---|---|
| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0064431 |
| **Course Category** | InterD Liberal | **Credits** | 2.0 |
| **Term (Semester) / Day / Period** | G-III (2nd year, Fall Semester) / Thu / 4 (14:45～16:15) | | |
| **Instructor** | SAEGUSA Mayumi | | |

**●Goals of the Course**
What is gender? This class will examine society from three perspectives: women's studies, men's studies, and sexuality studies. Women's studies reexamine existing male-dominated scholarship and systems from women's perspectives. Men's studies shed light on gender-related experiences of men. Sexuality studies respect sexual diversity and focus on the mind of the subject. We will consider the importance of gender equality to create a society where people can shine regardless of gender and analyze various issues such as politics, economics, education, media, marriage, and the declining birthrate through gender perspectives.

**●Objectives of the Course**
1) To understand the basic concepts of gender studies and to deepen understanding of various gender issues in Japan and global society.
2) To develop abilities to communicate effectively about gender issues in writing and orally.
3) To take action to promote gender equality.

**●Course Content or Plan**
- What is gender equality?
- Gender and politics
- Gender and work
- Gender-based violence
- Masculinity Studies
- Sexual Orientation and Gender Identity
- Feminism in Modern Japan
- Student presentations

**●Course Prerequisites and Related Courses**
There are no prerequisites for this course.

**●Course Evaluation Method and Criteria**
- Participation 30% (submission of comment sheets)
- Mid-term essay exam 20%
- Presentation 20%
- Research paper 30%

*For course withdrawal, students need to notify the instructor via email or message on NUCT.

**●Study Load (Self-directed Learning Outside Course Hours)**
There is no formal e-learning program associated with this course. However, along with major writing and presentation tasks, comment sheets must be submitted online.

**●How to Respond to Questions**
Feel free to contact Mayumi Saegusa at saegusa.mayumi.i7@f.mail.nagoya-u.ac.jp
We can also arrange in-person or online meetings by appointment through the above email address.

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| **Textbook** | None, all materials provided by the instructor |
| **Reference Book** | Kimmel, Michael S. The Gendered Society., Oxford University Press. |

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# Complex Analysis

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|---|---|---|---|
| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0064531 |
| **Course Category** | Sciences Basic | **Credits** | 2.0 |
| **Term (Semester) / Day / Period** | G-III (2nd year, Fall Semester) / Thu / 5 (16:30～18:00) | | |
| **Instructor** | JAERISCH Johannes Klaus B | | |

**●Goals of the Course**
Complex functions appear in various parts of the natural sciences, play a fundamental role and have a wide range of applications. In particular, its calculus forms a beautiful and unified world that is completely different from that of real numbers. The goal of this course is to learn the basics of differentiation and integration of such complex functions, especially the basic properties of complex analytic functions, and to become familiar with their various treatments, which are important for applications. Special emphasis is placed on the handling of power series and complex integrations.

**●Objectives of the Course**
To introduce the basic theory of analytic functions in a single complex variable.

**●Course Content or Plan**
Complex numbers: The complex number system, properties of the complex numbers, Cartesian and polar form.
Holomorphic functions: Complex differentiability, real differentiability, Cauchy–Riemann equations.
Complex Integrals: Line integrals, Cauchy's theorem, Cauchy's integral formula.
Complex power series: Taylor expansion and Laurent expansion. Classification of singularities.
Residue theorem and applications to real integrals.

**●Course Prerequisites and Related Courses**
A good command of calculus in one and several variables, as well as basic linear algebra, is indispensable to understand the content of this course. Prior knowledge of complex numbers will be helpful, but is not necessary.

**●Course Evaluation Method and Criteria**
Written examination (midterm and final exam).

*Course withdrawal:* Any student who does not participate in the final exam will receive the grade W. It is not necessary to notify the instructor about course withdrawal.

**●Study Load (Self-directed Learning Outside Course Hours)**
A number of homework assignments will be given during the course. It is also strongly recommended to revise the content of lectures continuously.

**●How to Respond to Questions**
By email.

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| **Textbook** | None. |
| **Reference Book** | Freitag, Busam: Complex analysis. Second edition.Springer-Verlag, Berlin, 2009.<br>Stein, Shakarchi. Complex analysis. Princeton University Press, 2003.<br>Fischer, Lieb: A Course in Complex Analysis: From Basic Results to Advanced Topics, Springer 2012. |
| **Reference website for this Course** | |

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# Academic Japanese (Reading & Writing) Ⅰ
## (New: Academic Japanese 1A)

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|---|---|---|---|
| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0064611 |
| **Course Category** | Basic GE, Language I | **Credits** | 1.5 |
| **Term (Semester) / Day / Period** | Fall Semester / Thu / 6 (18:15～19:45) | | |
| **Instructor** | TOKUHIRO Yasuyo | | |

**●Goals of the Course【Standardized across all programs】**
In this course, students will acquire fundamental reading and composition skills to read and write simple reports in specialized fields as well as analytical texts such as dissertations. The course aims to develop skills to comprehend and compose texts ranging in length from short to long, while at the same time reviewing beginner-level vocabulary, grammar, and Japanese characters. The Japanese level of this course is about N3 of JLPT.

**●Objectives of the Course**
The course aims to develop skills to comprehend and compose texts ranging in length from short to long, while at the same time reviewing beginner-level vocabulary, grammar, and Japanese characters.
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**●Course Contents or Plan**
1. Reading comprehension 1, Introduction
2. Writing essay 1, Introduction
3. Reading comprehension 2, Submit Essay 1-1
4. Writing essay 2, Vocabulary quiz 1
5. Reading comprehension 3, Submit Essay 1-2, 2-1
6. Writing essay 3, Vocabulary quiz 2
7. Reading comprehension 4, Submit Essay 2-2, 3-1
8. Writing essay 4, Vocabulary quiz 3
9. Reading comprehension 5, Submit Essay 3-2, 4-1
10. Writing essay 5, Vocabulary quiz 4
11. Reading comprehension 6, Submit Essay 4-2, 5-1
12. Writing essay 6, Vocabulary quiz 5
13. Reading comprehension 7, Submit Essay 5-2
14. Writing essay 7, Vocabulary quiz 6
15. Review and Summary, Exam

**●Course Prerequisites and Related Courses**
Class materials are designed for lower-level intermediary students.

**●Course Evaluation Method and Criteria**
Attendance 20%, Participation 20%, Compositions 40%, Exam 20%

・Students who withdraw from this course must notify the instructor in charge in a written form(email, NUCT, etc.)
・If a student is absent from classes more than 4 times, the grade will be “Absent.”

**●Study Load (Self-directed Learning Outside Course Hours)**
Students' homework is to write essays and learn words.

**●How to Respond to Questions**
Respond to questions by email or during class.

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| **Textbook** | 『大学・大学院　留学生の日本語①読解編』アルク、1,760 円<br>"Daigaku-Daigakuin Ryugakusei no Nihongo (1) Dokkaihen," Alc KK, ISBN: 9784757426313<br>『大学・大学院　留学生の日本語②作文編』アルク、1,760 円<br>"Daigaku-Daigakuin Ryugakusei no Nihongo (2) Sakubunhen," Alc KK, ISBN: 9784757426320 |
| **Reference Book** | テキスト音声：https://www.alc.co.jp/dl/7015017/ |
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# Academic Japanese(Reading & Writing) III
# (New: Academic Japanese 3A)

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|---|---|---|---|
| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0064612 |
| **Course Category** | Basic GE, Language I | **Credits** | 1.5 |
| **Term (Semester) / Day / Period** | Fall Semester / Thu / 6 (18:15～19:45) | | |
| **Instructor** | KATO Jun | | |

**●Goals of the Course【Standardized across all programs】**

This course designed to develop students' fundamental skills to read reports in specialized fields and academic articles as well as write reports or dissertations related to their own research focus. The course aims to help students acquire skill for writing a logical short essay of around 1,000 characters through practicing reading academic articles and writing a good paragraph.

**●Objectives of the Course**

At the end of the lecture, students are to
(i) be able to write a brief summary of articles.
(ii) understand how to write a good paragraph.
(iii) to be able to write a logical short essay of around 1,000 characters.

**●Course Contents or Plan**

The semester will cover the former half of the textbook as following:
Lesson 1: Reading exercises -part 1-1.
Lesson 2: Reading exercises -part 1-2. / Writing exercises -part 1.
Lesson 3: Reading exercises -part 2. / Writing exercises -part 2.
Lesson 4: Reading exercises -part 3-1. / Writing exercises -part 3.
Lesson 5: Reading exercises -part 3-2. / Writing exercises -part 4.
Lesson 6: Reading exercises -part 4. / Writing exercises -part 5.
Lesson 7: Review.
Lesson 8: Reading exercises -part 5-1. / Writing exercises -part 6.
Lesson 9: Reading exercises -part 5-2. / Writing exercises -part 7.
Lesson 10: Reading exercises -part 6. / Writing exercises -part 8.
Lesson 11: Reading exercises -part 7-1. / Writing exercises -part 9.
Lesson 12: Reading exercises -part 7-2 / Writing exercises -part 10.
Lesson 13: Reading exercises -part 8. / Writing exercises -part 11.
Lesson 14: writing a paragraph
Lesson 15: Review, reflection, and course evaluation.

**●Course Prerequisites and Related Courses**

Class materials are designed for advanced students.
In this semester the former half of the designated textbook is mainly used. The latter half of it is used in Academic Japanese 4A in spring semester.

**●Course Evaluation Method and Criteria**

Students who need the course credits are required to meet the following conditions:
Mid-term quiz 20%, Thesis 30%, Final exam 20%, Assignments 30%: TOTAL 100%

*It will be graded following the 5-step(S/A/B/C/F) or the 6-step(A+/A/B/C/C-/F) grade evaluation system, depending on the year of enrollment.
*Students do not need to submit a Course withdrawal Request for course withdrawal. For those who be absent from class more than 4 times, will receive an "W (absent) grade.

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

*It is strongly recommended to read textbook and check vocabulary and expressions before each lesson.
*Students should download materials through NUCT and check some assignments on it before the class starts.
*Students must submit some assignments through NUCT.

**●How to Respond to Questions**

You can contact the instructor through Message function on NUCT or directly contact at the e-mail address.

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| **●Notice for students**<br>Students are required to prepare for the textbook by the second lesson. (If you cannot obtain the text books, please ask instructor through e-mail.)<br>The first lesson of the course will commence on October 6, 2022.<br>*This course is conducted face-to-face.<br>*The progress and contents of the lesson may change depending on the situation. | |
| **Textbook** | 『改訂版　大学・大学院　留学生の日本語③論文読解編』アルク, "Daigaku-Daigakuin Ryugakusei no Nihongo (3) Ronbundokkaihen (revised edition)", ALCKK. (ISBN: 978-4757426337)<br>『改訂版　大学・大学院　留学生の日本語④論文作成編』アルク,"Daigaku-Daigakuin Ryugakusei no Nihongo (4) Ronbunsakuseihen (revised edition)", ALC KK. (ISBN: 978-4757426344) |
| **Reference Book** | To be informed in class. |
| **Reference website for this Course** | To be informed in class. |

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# Introduction to Biology
# (New: Introduction to Life Sciences B)

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|---|---|---|---|
| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0065311 |
| **Course Category** | Sciences Basic | **Credits** | 2.0 |
| **Term (Semester) / Day / Period** | Fall Semester / Fri / 3 （13:00～14:30） | | |
| **Instructor** | VASSILEVA Maria | | |

**●Goals of the Course【Standardized across all programs】**
The Earth is full of living organisms in a variety of environments, and humans coexist there. In addition, most of the foods we consume, including agricultural products, are derived from the living organisms. From microorganisms to animals and plants, and from molecular-level events in cells to global environmental events in forests and oceans, the field of life science has expanded greatly. Furthermore, life science is the basis for many important issues in our daily lives, such as regenerative medicine, genome editing, functional foods, environmental purification, and bioenergy. In this lecture, students will learn the basic knowledge of modern life science, and deepen their understanding of what kind of research is currently being conducted at universities and companies.

**●Objectives of the Course**
In this course students will learn about the genetic makeover of life, from both micro- and macro- perspective. Students will explore what inheritance is, what is its molecular basis and how it impacts living organisms. We will also look at how genetics shapes evolution of living forms on Earth, and their interaction with the changing environment. This knowledge will allow students to understand and critically evaluate popular information related to biological themes, from biotechnology to environmental issues.

**●Course Contents or Plan**
Introduction to inheritance
Molecular basis of genetics
The process of evolution
Ecology and biodiversity

**●Course Prerequisites and Related Courses**
No prerequisites, everyone is welcome. Even students who have not studied biology in high school, or who do not like the subject, are welcome to join.

**●Course Evaluation Method and Criteria**
Students' progress is evaluated through quizzes (50%) and projects (50%).
Withdrawal (W) grade: Students are not required to make a formal withdrawal request to withdraw from the course. Students who do not fulfill grading requirements for a passing grade will receive a W grade.

**●Study Load (Self-directed Learning Outside Course Hours)**
Students will have to review the lecture material after class and complete weekly quizzes, as well as work on individual or team projects.

**●How to Respond to Questions**
For any questions, email the course instructor Prof. Vassileva at the provided email address

**●Notice for students**
The classes will be accessible as much as possible both in person and online. Exact format will be announced on NUCT.

**●Message from the Instructor**
Office hours can be requested any time over email

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| **Textbook** | None. All materials will be provided by the instructor. |
| **Reference Book** | None. All materials will be provided by the instructor. |
| **Reference website for this Course** | Designated NUCT course site |

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# Special Lecture (Go in Japanese Culture)
## (New: Go in Japanese Culture)

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|---|---|---|---|
| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0065421 |
| **Course Category** | InterD Liberal | **Credits** | 1.0 |
| **Term (Semester) / Day / Period** | Fall Semester / Fri / 4（14:45～16:15） | | |
| **Instructor** | SHIGENO Yuki | | |

**●Goals of the Course【Standardized across all programs】**
If you want to be active in the international community, you have to have a deep understanding of traditional culture of your own country. The goal of this course is for the students to learn how to play Go with a standard board. Through this the students are expected to deepen understanding of Japanese traditional culture.

**●Objectives of the Course**
Learn the basic rules of Go and play a game.

**●Course Contents or Plan**
Lesson 1 Guidance, history of "Go" and its diffusion in Japan. The rules of Go, Individual games by mini (9x9) board.
Lesson 2-4 Introduction of Go activities, The rules of Go, Individual games by mini (9x9) board.
Lesson 5 Invite guest to listen to their experiences of Go and play against guest. Individual games by mini (9x9) board.
Lesson 6 Group challenge (solving problems in a group) Individual games by mini (9x9)board.
Lesson 7-9 Learn on a medium-sized (13x13) Go board
Lesson 10 Invite guest to listen to their experiences of Go and play against guest. Individual games by medium-sized (13x13)board.
Lesson 11-14 Learn on an official-sized (19x19) Go board.
Lesson 15 Group challenge (solving problems in a group), Individual games.

The contents may be replaced or changed depending on the situation.

**●Course Prerequisites and Related Courses**
No pre-requisites. Students from any background are eligible. The course is not designed for Go players, and suitable for students of wide background.

**●Course Evaluation Method and Criteria**
- Lessons attendance rate.
- Number of games played during the lectures.
- Some quizzes will be held during the lectures. Students who miss more than 30% of the quizzes will receive a W grade.
- For course withdrawal, students need to send a notification to the instructor. Those who are absent more than 5 times will receive a W grade.

**●Study Load (Self-directed Learning Outside Course Hours)**
Play to various people using the Go app "Go Quest" at least once of week. To inform Handle Name is necessary.

**●How to Respond to Questions**
by email

**●Message from the Instructor**
Go is a game which we called of "peace" where players respect each other and prosper together.
It is a special opportunity to experience Japanese culture. At the same time, there are people who are enjoying it in nearly 90 countries around the world, and it is also popular as a mind sport. If you visit a local Go club or Go event you will have a chance to get to know each other through Go.
The basic rules are simple, let's have a try!

**●Courses taught by Instructors with practical experience**
The lesson will take a teacher with practical experience (Nihon Ki-in) makes use of her practical experience.

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| **Textbook** | None |
| **Reference Book** | Go, A complete Introduction to the Game, by Cho Chikun<br>Kiseido Publishing Company, 1997 ISBN: 978-4-906574-50-6 |
| **Reference website for this Course** | Go Quest http://wars.fm/go9<br>International Go Federation (IGF) http://www.intergofed.org |

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# Business Japanese Ⅲ
## (New: Business Japanese 3)

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|---|---|---|---|
| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0065511 |
| **Course Category** | Basic GE, Language I | **Credits** | 1.5 |
| **Term (Semester) / Day / Period** | Fall Semester / Fri / 5（16:30～18:00） | | |
| **Instructor** | YASUI Akemi | | |

**●Goals of the Course【Standardized across all programs】**

The aim of the course is intended to develop the Japanese language skills required by Japanese companies and Japanese-affiliated companies overseas, as well as to improve cross-cultural understanding.

**●Objectives of the Course**

The goal of this course is for students to acquire the skills required to survive in the Japanese business industry and to be able to use their knowledge both in business settings and in everyday situations. Students will also be able to practice how to introduce themselves and make presentations, using honorific expressions properly.

**●Course Contents or Plan**

This semester will cover the former half of the textbook as following:

Lesson 1: Introduction & Lesson1 Self-introduction
Lesson 2: Review on polite forms -part 1.
Lesson 3: Review on polite forms -part 2 & Lesson2 Self-introduction
Lesson 4: Lesson3 Answering the phone -part 1 / oral practice.
Lesson 5: Lesson3 Answering the phone -part 2 / role play.
Lesson 6: Lesson4 Making an appointment -oral practice & role play.
Lesson 7: Lesson5 Attending a meeting -oral practice & role play.
Lesson 8: Mid-term Exam and reflection.
Lesson 9: Preparation for a presentation.
Lesson 10: Lesson6 Receiving a complaint -oral practice & role play.
Lesson 11: Lesson7 Reporting a complaint -oral practice & role play.
Lesson 12: Lesson8 Handling a complaint -oral practice & role play.
Lesson 13: Presentation
Lesson 14: Summary and reflection
Lesson 15: Final Exam

**●Course Prerequisites and Related Courses**

Students are expected to have basic knowledge of honorifics.

**●Course Evaluation Method and Criteria**

Students who need the course credits are required to meet the following conditions:
Quizzes 15%, Mid-term exam 20%, Presentation 15%, Final exam 20%, Active participation 30%
TOTAL/100%

*Students will be graded following the 5-step(S/A/B/C/F) or the 6-step(A+/A/B/C/C-/F) grade evaluation system, depending on the year of enrollment.
*Students can withdraw from this course if they notify the instructor through the NUCT lecture site.
*If a student is absent from classes more than 4 times, his or her grade will be “Absent.”

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

It is strongly recommended to review the textbook and the materials outside of the class, since the period of class is limited.

**●How to Respond to Questions**

Students are able to contact the instructor via email.

**●Notice for students**

- Students are expected to participate actively in class activities throughout the course.
- The first lesson of the course will commence on October 7th, 2022.

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| **●Message from the Instructor**<br>Depending on the situation of COVID-19 and the students' arrival in Japan, the class will either be face-to-face or online. Students will be notified via the NUCT site by the beginning of the semester. | |
| **Textbook** | 『上級レベル　ロールプレイで学ぶビジネス日本語』スリーエーネットワーク(ISBN: 978-4-88319-595-4) |
| **Reference Book** | 『新・にほんご敬語トレーニング』アスク<br>(ISBN: 978-4872178562) |
| **Reference website for this Course** | |

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# Special Lecture (Studium Generale Ⅰ)
## (New: Studium Generale A)

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|---|---|---|---|
| **Undergraduate / Graduate** | Undergraduate | **Registration Code** | 0065521 |
| **Course Category** | InterD Liberal | **Credits** | 2.0 |
| **Term (Semester) / Day / Period** | Fall Semester / Fri / 5（16:30～18:00） | | |
| **Instructor** | VASSILEVA Maria | | |

**●Goals of the Course【Standardized across all programs】**

The name “Studium Generale” means “General Studies” in Latin and comes from old European universities, still used in many German universities. Studium Generale A course offers exposure to academic topics from the field of natural 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. The course cultivates a multifaceted view of the world and communication skills, which are fundamental competencies for future members of the society.

This course is open to students from both G30 international program, and the regular Japanese program. To students from the Japanese program, the course offers an opportunity to experience university lectures in English.

**●Objectives of the Course**

Students will increase their understanding and appreciation of wide range of fields in natural sciences (including business, arts, etc). Students will gain experience discussing with participants from other majors and countries, developing a wider view of the world and interdisciplinary approach to evaluating scientific problems.

**●Course Contents or Plan**

This course is conducted entirely online, in order to accommodate students from all Nagoya University campuses and Gifu University.

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.

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 access to course materials will be provided on NUCT.

**●Course Prerequisites and Related Courses**

No prior scientific knowledge is required. Everyone is welcome!

Prerequisite for students from the Japanese program: at least intermediate English language abilities: ability 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) Project Learning Track:

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

Lecture Reports: 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 NUCT site.

Student Project: Each team/individual student should prepare one project using a topic related to a course lecture. The project should be student(s)’s original work and be presented during the designated class at the end of the course. The project is graded based on (1) topic development, (2) presentation and (3) English language usage. A detailed grading rubric is provided on the course NUCT site.

Withdrawal (W) grade: Students who do not intent to complete the course may notify the course manager at any time during the course. Students who register but never come to class will receive an W grade.

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

This course will expect preparing and submitting report on lectures’ content outside class hours. The report completion may sometime involve independent small online research.

Students who choose Project learning track will be expected to work on their project mainly outside class hours.

**●How to Respond to Questions**

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

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**●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:
https://ocw.nagoya-u.jp/

Some lectures have been translated into Japanese and added to the NUAcL webpage:
http://nuact.ilas.nagoya-u.ac.jp/ocw/index.html

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|---|---|
| **Textbook** | None. All materials will be provided by the instructor. |
| **Reference Book** | None. All materials will be provided by the instructor. |
| **Reference website for this Course** | This course content will be available on NUCT designated course site |

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