English Version

# 2024 Admission

# International Students Entrance Examination
# Graduate School of Societal Safety Sciences

## Application Guidelines

Note 1: Common items of all graduate schools are published in separate files. Please check together.

Note 2: The application guidelines is the English Version for Japanese-based Program of the International Students Entrance Examination.

Note 3: The application documents which are designated by Kansai University only have Japanese Version.

Kansai University
Graduate School

## Ⅱ Admission Policy

### Master's Degree Program

The Graduate School of Societal Safety Sciences accepts those who have the following knowledge and skills, abilities of thinking, judgement, and expression as well as proactive attitudes and deserve as the graduate school students according to the Diploma Policy and the Curriculum Policy of the Graduate School:

1. To have strong concerns for social safety and to have acquired basic specialized knowledge and skills in the field of societal safety sciences.
2. To be able to think by themselves about the problems of social safety from a global perspective, to access them from versatile viewpoints, such as law and political science, economics and business administration, sociology, psychology, physics, informatics, engineering science, labor and social medicine and so on, and to be able to contribute to society with their strong leadership.
3. To have strong willingness to implement research proactively in order to solve the various problems of social safety.

### Ph.D. Degree Program

The Graduate School of Societal Safety Sciences accepts those who have the following knowledge and skills, capacities and abilities, and proactive attitudes and deserve as the graduate school students according to the Diploma Policy and the Curriculum Policy of the Graduate School:

1. To have strong concerns for the problems of social safety and to have acquired expertise and skills in the field of societal safety sciences.
2. To be able to think by themselves about the problems of social safety from a global perspective, to access them from versatile standpoints such as law and political science, economics and business administration, sociology, psychology, physics, informatics, engineering science, labor and social medicine and so on, and to be able to create new academic field of societal safety science, and to contribute to society through creation of new theories and policy proposals for disaster prevention and reduction.
3. To have strong willingness to tackle with research proactively in order to solve the various problems of social safety.

# V Application Requirements

# Graduate School of Societal Safety Sciences (Master's Degree Program)

Graduate School, Major and Enrollment Capacity

| Graduate School | Major | Enrollment Capacity |
|---|---|---|
| Graduate School of Societal Safety Sciences | Disaster Prevention and Reduction Major | 15 |

Note1: The Graduate School of Societal Safety Sciences has not established separate enrollment capacity for each type of entrance examination.

Note2: Every lecture shall be done in Japanese, but you can present your master's thesis in English.

# Master's Degree Program : International Students Entrance Examination (October Examination and February Examination)

## 1. Qualification

Applicants who have obtained Level N1 (previously Level 1) on the Japanese Language Proficiency Test (JLPT) or scored 270 points or higher on the subject of Japanese as a Foreign Language (including the writing score) in the Examination for Japanese University Admission for International Students (EJU) which the valid period specified by the issuing institution of the Examination for Japanese University Admission for International Students (EJU) includes the application start date for the Examination Month, (However, a person who has Japanese proficiency equivalent to the level or the score specified in the application qualification may be granted qualification to apply by Pre-qualification Individual Screening.) and who shall satisfy one of the following (1)~(5) conditions:
(including applicants who are expected to satisfy one the following (1)~(4) conditions before enrolling at the Graduate School.)

(1) Applicants who have completed a regular 16-year program of school education outside Japan (Note 1).

(2) Applicants who have graduated from Japanese universities as international students.

(3) Persons who have completed a 3-year program or a program of more than 3 years and have been awarded a degree by an overseas university or school (Note 2) which is recognized as being equivalent to a bachelor's degree.
(the 2016 ordinance of the Ministry of Education, Culture, Sports, Science and Technology, No. 19)

(4) Applicants who have completed Specialized Course at Japanese special training schools after the designated date by the minister of MEXT† as international students. The training schools must satisfy the conditions designated by MEXT including that the length of term required for graduation be at least four years.
†MEXT; Japanese Ministry of Education, Culture, Sports, Science and Technology

(5) Applicants who are recognized as having scholastic abilities equivalent or superior to the graduates of university through Pre-qualification Individual Screening for Entrance Examination of the Graduate School. (This requirement shall not apply to the foreigners who are recognized as having received Japanese regular school education program.)

Note 1: Those enrolled in the following schools are considered to be the same as application qualification (1), as long as the period is less than four years in total.
- Elementary school, junior high school, high school etc. based on Japanese school education law
- Foreign school in Japan
- Overseas educational facilities accredited or designated by the Minister of Education, Culture, Sports, Science and Technology

Note 2: The university or the school shall be evaluated by an organization approved by a relevant official institution in the country for their education and research activities or recognized as so by the Minister of Education, Culture, Sports, Science and Technology.

**【IMPORTANT】** Notes regarding Pre-qualification Individual Screening for Entrance Examination

1. Subjects:
   - Applicants who have the Japanese language ability required as one of the qualification
   - Applicants under qualification (5)
2. Application Procedures and Deadline:
   Refer to 'I Check Qualification before Applying' (in the separate file "Common Items of all Graduate Schools" p.1).

(Note 1) Graduates (or those expected to graduate) from less than 16-year program of school education can also apply. In this case, please contact the Muse Office by the submission deadline of the documents for the screening as soon as possible.

(Note 2) Applicants who have received (or are expected to receive) the degrees in their home countries equivalent to those of Japanese universities can also apply. In this case, please inquire to the Muse office as soon as possible.

## 2. Application Documents

After you have paid the application fee of ¥35,000, submit the documents listed below.

Review Cautionary Note published at the end of the Application Guidelines (Japanese Version), and carefully check your application documents before submitting them.

Please submit the 'Application Document List (Checklist)' as well as the application documents.

| Document to be Submitted【Document Number】 | Remarks |
|---|---|
| Application Form (for submission)【①】 | Print out and submit after finalizing your online application. |
| Statement of Reason for Applying in Japanese【②】 | Use the form designated by the University. |
| Original transcript from previously universities and / or other institutions【③】 | Submit original transcripts. If you cannot submit original transcripts, please submit transcripts that have been notarized by an embassy or other public institutions.<br>◦ If you are currently enrolled, you should submit the latest transcript (original) when applying.<br>◦ If you have transferred from other universities to your current university, you also should submit transcripts (original) from the previous universities and / or other institutions as well.<br>◦ If you studied abroad during your enrollment period and credits have been approved, but the credits are not listed on the academic transcript of the university you are enrolled in, or the credits have not been approved after studying abroad, you also should submit the academic transcript (original) from the university where you studied abroad as well.<br>◦ If you participated in a DD (Dual Degree/Double Degree) program during your enrollment period, but the credits have been approved are not listed on your academic transcript of the university you are enrolled in, or if credits are recognized in a lump sum, you also should submit the transcript (original) from the university where you participated in the program as well.<br>Note 1) If the certificate has multiple pages, the seal of the university or the signature of the person in charge of issuing the certificate is required on all pages.<br>Note 2) If you did not take any courses during your enrollment period, or if there is a blank period on your transcript due to studying abroad, please prepare a statement of reasons for that period (free format) and submit it together (School seal is not required). |

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| Original certificate of (expected) graduation from previously universities and / or other institutions【④】 | Both of the entrance and (expected) graduation dates must be listed.<br>If the above information is listed on the Application Document ③, this certificate does not need to be submitted.<br>Submit an original certificate of (expected) graduation.<br>If you cannot submit an original certificate, please submit a certificate of (expected) graduation that has been notarized by an embassy or other public institutions.<br>Note) Applicants with Qualification (3) are required to submit a bachelor's degree certificate in addition to the graduation certificate. |
| Research Plan in Japanese【⑤】 | About 1,000 words in length.<br>Submit 1 original and 3 copies.<br>Draft an overview of your proposed research plan on a computer using A4-size paper (horizontal text with 40 words per row and 40 rows per page). |
| Certification for Japanese Language Proficiency【⑩】 | In case of Japanese Language Proficiency Test (JLPT)<br>The original of 'Test Result' or 'Certificate of Result and Score' certificating that you have passed Level N1 (Level 1 of Former Test).<br>★Be sure to submit the original certificate.<br>In case of Examination for Japanese University Admission (EJU)<br>The Online Certificate 'Score Confirmation Report' certificating that you have acquired 270 or higher points (including the writing score) in Japanese language as a Foreign Language. Please print out the certificate on A4 paper. |
| Copy of Residence Card or Passport【⑪】 | For a residence card, submit a copy showing both sides.<br>For a passport, submit a copy of pages showing your name, date of birth, photograph, expiration date, residence status, and the most recent period of stay. |
| Two Photographs | Affix a photograph taken within the last 3 months to the application form (for submission) and to the statement of reason for applying. Your photographs should not be retouched or edited.<br>(The photograph affixed to your application form will be used on the student ID issued after enrollment, should you be admitted.) |

Note: If you have any questions about the application documents, please make sure to contact the Muse Office before the starting date of the Online Application at the earliest possible time.

### 3. Screening Method

The Graduate School will determine whether or not to admit applicants based on a comprehensive evaluation of document screening, written examination and oral examination.

### 4. Examination Components

| Written Examination | Oral Examination |
|---|---|
| Specialized Subject | |
| 10:00 ～ 11:30 (90 minutes) | Held after the written examination |

Note: More information about the oral examination will be provided on the day of the written examination.

## 5. Examination Details and Allocation of Points

| Written Examination (Specialized Subject) (100 Points) | Oral Examination (100 Points) |
|---|---|
| ① Basic question about social science concerning disaster prevention and reduction or basic question about natural science (select 1 question, written) Questions will be set from '*Guidebook of Societal Safety Sciences*' (published by MINERVA SHOBO).<br>② Queastion about basic knowledge of the desired seminor theme. | You will be asked about the following points:<br>① Basic knowledge on the specialist subject<br>② Research topic and methods after enrollment<br>③ Details of previous research |

Note: Please select a major subject and an academic advisor on applying.
However, academic advisor will be determined by the graduate school based on your wishes when applying.
If you select an academic advisor marked ※, please contact the Muse office in advance, because there is a semester or two in which they do not teach the subjects as they engage in research, at home or abroad.
The subjects and academic advisors may change as needed. If it changes, we will notify applicants via posting a notice (Japanese Version) on our website, please check our website before applying.
<https://www.kansai-u.ac.jp/Gr_sch/> (2023/4)

## Graduate School of Societal Safety Sciences: List of Seminor, Thesis Tutor, and Academic Advisors for 2024 Academic Year (Master's Degree Program)

Disaster Prevention and Reduction

| Theme | Academic Advisors | | | Contents |
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| Human-system Group | | | | |
| Disaster Infomatics | Professor | KONDO, Seiji | Doctor of Informatics (Kyoto University) | In order to create the ideal relation of disaster information and media system, the approach of action research will practice based on human sciences. How the optimum transmission system of early warning should be constructed? How information of reconstruction support should be shared in the affected area? How risk communication should be designed in all phase of disaster risk reduction? In the wide range of research from local to worldwide media systems, the way to solve a variety of problems on disaster information will be investigated. |
| Psychology of Risks | Professor | TSUCHIDA, Shoji | | Every our humam activity is essentially aimed at obtaining positive / desirable results (=benefits), but it is inevitably accompanied by negative / undesirable ones (=danger) such as accidents and disasters, and so on. Risk is defined as benefit and danger that will come in the future. Risk communication is conducted to achieve society's safety and people's happiness by exchanging risk information. The fields of risk communication are, for instance, consensus formation of atomic energy use, care of patients who worry their illness and treatments, information distribution in emergency. In this class we will discuss topics of risk communication from a perspective of social psychology. The discussions will be based on empirical researches with statistic data of psychological experiments, social surveys, and case studies. |
| Human Errors | Professor | NAKAMURA, Takahiro | Ph.D. (Osaka University) | In order to secure our social safety, various measures are prepared, and various systems are planned and maintained. On the other hand, it is often pointed out that it has a close connection between the behavior of human and the causes of the disaster. In this class, the relations of human errors and the causes of the disaster are examined while referring to past cases and early research. In addition, effective and practical measures are examined to prevent disasters and accidents. |
| Occupational Safety and Health | Professor | HIROKAWA, Kumi | PhD of Psychology, (Kwansei Gakuin University) PhD of Medicine, (Okayama University) | My seminar focuses on working people's health, especially on overwork and mental health, to investigate adverse factors and to find preventive measures. Not only investigating individual health status, but also exploring methods in an organization and/or a community are this seminar's aims to promote working people's health. Students with interests of working people in a society are desirable for my seminar. |

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| Disaster Psychology | Professor | MOTOYOSHI, Tadahiro | Ph.D. in Educational Psychology (Nagoya University) | In order to effectively communicate risk to the public and to build a sustainable society, we need to know something about how people perceive and react to risk and what kind of information and social systems are appropriate. Social psychological approaches and/or Socio-technological approaches provide a very useful perspective to solve these challenging problems. Research topics include attitude toward disaster risk, community-based disaster prevention, human behavior in evacuation, supporting disaster victims, risk management issues at school and safety for children. |
| Accident Investigation | Associate Professor | OKAMOTO, Makiko | Ph.D in Human Science (Waseda University) | When an accident occurs, investigate the cause of the accident to prevent recurrence and pursue legal responsibility of the parties. In this exercise, topics are the design of the accident investigation system, the relationship between accident investigation and pursuit of legal responsibility, and the mechanism of occurrence of human error which is the main cause of the accident. Students are required to select research themes of interest from these fields, study and examine them, and deepen their understanding through discussion at the exercise. |
| Education for Disaster Risk Reduction | Associate Professor | SHIROSHITA, Hideyuki | PhD in Informatics (Kyoto University) | Students are expected to challenge the fundamental questions of safety science such as what disaster management is and how security and safety are defined. The instructor does not take the perspective that disaster education is just knowledge transmission from the experts on DRR to lay people. A theoretical framework which challenges to overcome so-called individual capabilitism must be constructed by the students. Based on the rationale the students are required to do an action research on DRR to improve their theoretical framework. |
| Theory of Disaster Recovery and Revitalization | Associate Professor | SUGA, Mashiho | Doctor of Philosophy (Kobe University) | Based on the sociological theories and methods, this research focuses on the process of which individuals and groups recover from the damage by disasters. By using case studies, we will focus on how the vulnerabilities and resiliencies in society multiply or mitigate damage. Our research topics are, for example, disaster relief efforts through public-private partnerships, and livelihood recovery of "refugee at home" in recent disasters. |
| Social sciences for safety | Associate Professor | ※SUGAWARA, Shinetsu | Ph.D. in Engineering (The University of Tokyo) | Given the growing complexity of contemporary technologies, it has become increasingly important to incorporate social sciences' and humanities' perspectives into their management. Taking nuclear technology as an example, this course explores the safety management of complex socio-technical systems. The aim of this course is to help students acquire the necessary knowledge and concepts in the Science and Technology Studies as well as risk governance studies for critically analyzing safety issues at the interface of science, technology and society. |
| Social-system Group | | | | |
| Risk Management | Professor | KAMEI, Katsuyuki | Ph.D in Commerce (Osaka City University) | In modern society, facing with complicated and socialized risk, it is necessary to carry out social risk management approach. In this course, we try to study the general principle of organizational risk management and its practice from a viewpoint of social risk management. The topics addressed in the seminar include (1) contemporary risk control and risk finance, (2) organization of risk management, (3) risk information disclosure as a means of risk communication, (4) strategy and risk management, (5) leadership and crisis management, (6) SME and risk management, and (7) safety for school and children risk management, etc. |

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| Public health management | Professor | TAKATORIGE, Toshio | Ph.D. in Medicine (Osaka University) | Our focus is on infectious disease, food poisoning, food-related accidents, environmental pollution, drug misuse, violence, and others. Many events can endanger the health and safety of the public. When a huge disaster happens, how we support those affected is also an important research topic. As public health is a multidisciplinary science and practices for population health depends on both the central and local public agencies, it is important to understand the health and social welfare system, and to conduct a comparative study of the public health system in Japan to other countries. The case studies of epidemics and food-related accidents etc. are the main research issues. |
| Business Law | Professor | TAKANO, Kazuhiko | Doctor of Philosophy in Laws (Chuo University) | While enterprises in Japan have witnessed significant change in their legal systems and social environment, they are not dealing with these changes very well, thereby contributing to frequent corporate scandals. It can be said that corporate legal knowledge and awareness of compliance are absolutely essential qualities for a successful modern entrepreneur. The research field focusing on business law aims to contribute a practical approach to business ethics, CSR-required business judgment as well as corporate governance, the legal system of internal control, information law, M&A and various other fields including contract law on alliances. Studies based on actual cases and lawsuits will be used. |
| Disaster Prevention Administration | Professor | ※NAGATA, Shozo | Doctor of Human and Environmental Studies (Kyoto University) | For coping with disasters, self-help, mutual-help and public assistance are often mentioned. For the situations that cannot be dealt with at a personal, regional, or community level, the public sector has to be involved. Thus the administration and politicians are expected to play large roles. What kinds of systems should be created and what kinds of administrative management should be exercised in order to maximize the function of the administration in dealing with disasters? And what kinds of policies should be implemented in order to improve effectiveness? And how should politics address a crisis? Research guidance will be provided from the perspectives of public administration, public policy and political science. Field work and debates will be conducted as needed. |
| Policy evaluation and economic analysis of Disaster Risk Reduction Policy | Professor | NAGAMATSU, Shingo | Ph.D. (Osaka University) | This seminar provides techniques of policy evaluation and economic analysis of disaster risk reduction policies based on empirical data. Those interested in the following topics are welcome: community-based disaster risk reduction, quantitative evaluation of resilience and vulnerability, disaster recovery, job generation, emergency response, disaster insurance, and cost-benefit analysis on disaster risk reduction. |
| Policy and Law | Professor | YAMASAKI, Eiichi | Doctor of Informatics (Kyoto University) | Ensuring safety and security are the primary responsibility of national and local governments, which administer a variety of regulations, benefits, and services to do so. The legal system provides the basis for such activities,and in this course we will pursue research focusing on administrative law. Our efforts must go beyond simply explaining the legal system and assessing its status quo as we are required to discover problems with the design and implementation of laws based on that explanation and assessment and then study solutions to those problems in a calm and reflective manner. We will define the problem domain broadly to include not only natural disasters, which is my area of expertise, but also manmade disasters. |

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| Transportation Safety | Professor | YOSHIDA, Yutaka | Doctor of Philosophy (Kansai University) | Ensuring transportation safety is an essential issue for creating a society in which everybody can live with delight. For example, in the railway sector, in addition to accident prevention and natural disaster countermeasures, crime and terrorism countermeasures have become important issues in recent years. In this seminar, safety issues in each mode of transportation are identified and analyzed in detail according to the human factors perspective, with the aim of proposing countermeasures that are considered effective in enhancing safety. |
| Insurance Science | Associate Professor | KUWANA, Kinzo | Doctor of Philosophy in Environmental Studies (Sophia University) | Insurance has the institutional function of improving social welfare through disaster prevention and mitigation. In addition, contemporary society is characterized by policy measures that utilize various types of insurance (automobile liability insurance, earthquake insurance, nuclear energy insurance, etc.). My lab is exploring new schemes through analysis that focuses on the economic functions of policies that utilize such insurance. Naturally, this analysis also focuses on effective use of insurance in a business management context. I target specific examples and offer a practical explanation of the functions of insurance. |
| Science/Engineering-system Group | | | | |
| Seismic performance evaluation and seismic design | Professor | ICHII, Koji | Doctor of Engineering (Kyoto University) | Evaluation of the seismic performance of structures and performance-based seismic design are key issues to mitigate earthquake disaster. Both field measurements and numerical analysis are fundamental approaches to consider these issues. In this lecture, students will learn the skills of measurement and analysis, and discuss the most appropriate solutions to the problem from the viewpoints of performance and costs. Application of recent technologies to the problems will be also discussed. |
| Iinjury prevention enginnering for production safety | Professor | ITO, Daisuke | Doctor of Engineering (Nagoya University) | Injuries occur when excessive forces act on the human body and occur in various forms from familiar accidents to traffic accidents. In this seminar, we will investigate the mechanism of injury occurrence from a mechanical point of view and study injury prevention and mitigation methods based on the mechanism using experiments, accident investigation as well as computer simulations. In addition, since pre-accident behaviors and judgments play important roles in the occurrence of injuries, students who wish to conduct researches on the analysis of these factors are also welcomed. |
| Integrated Disaster Reduction | Professor | OKUMURA, Yoshihiro | Ph.D in Informatics (Kyoto University) | A Mega disaster is a big threat to the sustainable society. In Japan, Nankai Trough Earthquake, Tokyo Metropolitan Earthquake and Super Tyhoon have been assumed to occur in the near future, resulting in 1,000 or more people dead or missing. This seminar aims to minimize such a future mega disaster from the integrated disaster reducion approach, combining natural science and social science. Implementation research is conducted in the actual society, in addition to theoritical reaserch and analytical research based on the civil engineering. |

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| Simulation of Accidents | Professor | KAWAGUCHI, Toshihiro | Ph.D. in Engineering (Osaka University) | The risk of crowd accidents should be taken into account at any events where many people gather, such as the Asagiri pedestrian bridge accident (2001) or the Itaewon tragedy (2022). However, it is difficult to obtain detailed experimental data in highly crowded situation. Additionally, texting while walking and cycling on sidewalks have become social issues in recent years. In this seminar, pedestrian flows and crowd accidents are studied mainly by using the numerical simulation. Experiments and surveys are also conducted to obtain knowledges that contribute to the establishment of safe and secure pedestrian spaces. |
| Urban Disaster Mitigation | Professor | KOSHIYAMA, Kenji | Doctor of Philosophy in Engineering (Kobe University) | Urbanization increases the complexity of the relationship between urban areas and disasters. Therefore, we must develop more sophisticated disaster mitigation measures for urban areas. The research in this seminar focuses on utilizing urban planning and community design techniques to reduce natural and social risks in urban areas. The theory of urban disaster mitigation from past experiences, such as the recovery and reconstruction of cities, is essential for predicting future problems in urban disaster mitigation. This research will use a multidisciplinary approach involving both natural and social sciences. |
| Geodisaster | Professor | KOYAMA, Tomofumi | Ph. D, Land and Water Resources Science (Royal Institute of Technology, KTH, Sweden) | Numerous geodisasters such as landslides and slope failures caused by earthquakes and rain are occurring worldwide, and they are exhibiting increased scale and changing characteristics in recent years in the wake of extreme weather events caused by climate change, major earthquakes, and other phenomena. Through broadranging research, we are seeking to elucidate the mechanisms behind such geodisasters and to establish technologies for their prevention and mitigation. While quantitative analysis forms the central thrust of our methodology, we employ a multifaceted approach that combines experimentation, measurement, monitoring, and other techniques. The course seeks to foster practical problem-solving skills through a series of research activities, thereby preparing students to play a leading role in international society. |
| Hydrosphere Disaster | Professor | ※TAKAHASHI, Tomoyuki | Doctor of Engineering (Tohoku University) | Many hydrosphere disasters have occurred in the last decade, such as the Tohoku Tsunami in 2011, the Indian Ocean Tsunami in 2004, and Hurricane Katrina in 2005. This research field focuses on predicting mechanisms of hazards and disaster mitigation measures. Research methods will include numerical modeling, remote sensing, field investigation and hydrodynamic experiments. The research aims also include facilitating the development of problem-solving skills in other disciplines. |
| Seismology and Earthquake Disaster Reduction | Professor | HAYASHI, Yoshinari | Doctor of Science (The University of Tokyo) | Seismological research and applied research for earthquake disaster reduction are major topic of this lecture. The main research method is seismological wave analysis that includes hypocenter determination, source mechanism estimation and source process analysis. We can use many seismic records of strong motion, high sensitivity signals, and broadband instrumentation from the data center. The purpose of this lecture is the quantitative modeling of natural hazards using recorded data. |

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| Principle of Engineering System Safety | Professor | HOSOKAWA, Shigeo | Doctor of Engineering (Kobe University) | This seminar focuses on the safety of the thermal energy systems/plants such as boiler, nuclear and thermal power plants and chemical plants, and discusses on the current topics in the field of plant safety, the thermal hydraurics in the systems, the accident investigation system for prevention of recurrence, and the safety management methods. In this seminar, documents are read by taking turns to support the students study activities. Students' oral presentations will be conducted in the seminar. |
| Information Security | Associate Professor | KONO, Kazuhiro | Ph.D. in Engineering (Osaka University) | This seminar aims to realize a safe and secure advanced information society from engineering and educational technology perspectives. From an engineering perspective, we develop data anonymization technologies and anonymous communication systems to protect personal information and privacy. We also create fake detection systems for various media using AI and deep learning. From an educational engineering perspective, we establish learning/educational tools for acquiring information literacy and information security based on the insights of psychology, pedagogy, engineering, and informatics. |
| Applied Data Science | Associate Professor | FUKUI, Keisuke | Ph.D. (Hiroshima University) | This seminar focuses on the development and application of statistical analysis methods for data in the fields of medicine and epidemiology. The data in these fields are biological and are characterized by large variations in each individual data. We aim to develop new statistical analysis methods for these data in order to clarify their characteristics using various statistical methods, and to apply the developed methods to actual medical care and policy. |

# Graduate School of Societal Safety Sciences (Ph.D. Degree Program)

Graduate School, Major and Enrollment Capacity

| Graduate School | Major | Enrollment Capacity |
|---|---|---|
| Graduate School of Societal Safety Sciences | Disaster Prevention and Reduction Major | 5 |

Note1: The Graduate School of Societal Safety Sciences has not established separate enrollment capacity for each type of entrance examination.

Note2: Generally allmost all lectures shall be done in Japanese.
However there are a few lectures you can take in English.
So please take advice from your tutor before applying.
E-mail: safety_science@ml.kandai.jp
You can present your doctorial thesis in English.

# Ph.D. Degree Program : International Students Entrance Examination (October Examination and February Examination)

**1. Qualification**

Applicants who have obtained Level N1 (previously Level 1) on the Japanese Language Proficiency Test (JLPT) or scored 270 points or higher on the subject of Japanese as a Foreign Language (including the writing score) in the Examination for Japanese University Admission for International Students (EJU) which the valid period specified by the issuing institution of the Examination for Japanese University Admission for International Students (EJU) includes the application start date for the Examination Month, (However, a person who has Japanese proficiency equivalent to the level or the score specified in the application qualification may be granted qualification to apply by Pre-qualification Individual Screening.) and who shall satisfy one of the following (1)~(5) conditions:
(including applicants who are expected to satisfy one the following (1)~(3) conditions before enrolling at the Graduate School.)

(1) Applicants who have received a master's or professional degree at the graduate schools outside Japan.
(2) Applicants who have received a master's or professional degree from Japanese graduate schools as international students.
(3) Applicants who have completed programs and received degrees equivalent to a master's degree from the United Nations University*.
   * United Nations University; established by the resolution of the General Assembly of the United Nations on December 11, 1972, as stipulated in Article 1 Paragraph 2 of the Act on Special Measures incidental to Enforcement of the Agreement between the United Nations and Japan regarding the Headquarters of the United Nations University.
(4) Applicants designated by the minister of MEXT†. (Bulletin No. 118 of 1989)
   † MEXT; Japanese Ministry of Education, Culture, Sports, Science and Technology
(5) Applicants who are recognized as having degrees equivalent or superior to a master's degree by our graduate school and have reached the age of 24 (before enrolling at the Graduate School). This requirement shall not apply to the foreigners who are recognized as having received Japanese regular school education program.

**【IMPORTANT】** Notes regarding Pre-qualification Individual Screening for Entrance Examination

1. Subjects:
   - Applicants who have the Japanese language ability required as one of the qualification
   - Applicants under qualification (4) or (5)
2. Application Procedures and Deadline:
   Refer to 'I Check Qualification before Applying' (in the separate file "Common Items of all Graduate Schools" p.1).

## 2. Application Documents

After you have paid the application fee of ¥35,000, submit the documents listed below.

Review Cautionary Note published at the end of the Application Guidelines (Japanese Version), and carefully check your application documents before submitting them.

Please submit the 'Application Document List (Checklist)' as well as the application documents.

| Document to be Submitted【Document Number】 | Remarks |
|---|---|
| Documents to be submitted by all applicants | |
| Application Form (for submission)【①】 | Print out and submit after finalizing your online application. |
| Statement of Reason for Applying in Japanese or English【②】 | Use the form designated by the University. |
| Original transcript from previously graduate school【③】 | Submit original transcripts. If you cannot submit original transcripts, please submit transcripts that have been notarized by an embassy or other public institutions.<br>◦ If you are currently enrolled, you should submit the latest transcript (original) when applying.<br>◦ If you studied abroad during your enrollment period and credits have been approved, but the credits are not listed on the academic transcript of the graduate school you are enrolled in, or the credits have not been approved after studying abroad, you also should submit the academic transcript (original) from the graduate school where you studied abroad as well.<br>◦ If you participated in a DD (Dual Degree/Double Degree) program during your enrollment period, but the credits have been approved are not listed on your academic transcript of the graduate school you are enrolled in, or if credits are recognized in a lump sum, you also should submit the transcript (original) from the graduate school where you participated in the program as well.<br>Note 1) If the certificate has multiple pages, the seal of the university or the signature of the person in charge of issuing the certificate is required on all pages.<br>Note 2) If you did not take any courses during your enrollment period, or if there is a blank period on your transcript due to studying abroad, please prepare a statement of reasons for that period (free format) and submit it together (School seal is not required). |
| Original certificate of (expected) completion from previously attended graduate school, or a notarized document certifying (expected) completion【④】 | Both of the entrance and (expected) completion dates must be listed.<br>If the above information is listed on the Application Document ③, this certificate does not need to be submitted.<br>Submit an original certificate of (expected) completion. If you cannot submit an original certificate, please submit a certificate of (expected) completion that has been notarized by an embassy or other public institutions. |

| Document to be Submitted【Document Number】 | Remarks |
|---|---|
| Ph.D. Degree Program Research Plan in Japanese or English【⑤】 | About 2,000 words in length.<br>Submit 1 original and 3 copies.<br>Draft an overview of your proposed research plan on a computer using A4-size paper (horizontal text with 40 words per row and 40 rows per page). |
| Certification for Japanese Language Proficiency【⑩】 | In case of Japanese Language Proficiency Test (JLPT)<br>The original of 'Test Result' or 'Certificate of Result and Score' certificating that you have passed Level N1 (Level 1 of Former Test).<br>★Be sure to submit the original certificate.<br>In case of Examination for Japanese University Admission (EJU)<br>The Online Certificate 'Score Confirmation Report' certificating that you have acquired 270 or higher points (including the writing score) in Japanese language as a Foreign Language. Please print out the certificate on A4 paper. |
| Copy of Residence Card or Passport【⑪】 | For a residence card, submit a copy showing both sides.<br>For a passport, submit a copy of pages showing your name, date of birth, photograph, expiration date, residence status, and the most recent period of stay. |
| Two Photographs | Affix a photograph taken within the last 3 months to the application form (for submission) and to the statement of reason for applying. Your photographs should not be retouched or edited.<br>(The photograph affixed to your application form will be used on the student ID issued after enrollment, should you be admitted.) |
| Applicants who are eligible under qualification (1) to (3) above and have already submitted a master's thesis | |
| Outline of master's thesis in Japanese or English【⑥】 | About 2,000 words in length.<br>Submit 1 original and 3 copies.<br>Draft on a computer using A4-size paper (horizontal text with 40 words per row and 40 rows per page). |
| Copy of master's thesis【⑦】 | 4 copies |
| Research Results【⑨】 ★If applicable | A reprint or copy of any academic articles, conference presentations, research reports or any other research papers. If the documents can be submitted, submit 4 copies. |
| Applicants who are eligible under qualification (1) to (3) above and expect to submit a master's thesis | |
| Outline of thesis intended to be submitted as master's thesis in Japanese or English【⑥】 | About 2,000 words in length.<br>Submit 1 original and 3 copies.<br>Draft on a computer using A4-size paper (horizontal text with 40 words per row and 40 rows per page). |
| Research Results【⑨】 ★If applicable | A reprint or copy of any academic articles, conference presentations, research reports or any other research papers. For documents that can be submitted, submit 4 copies. |
| Applicants who are eligible under qualification (4) or (5) above and those with a professional degree (or who are expected to obtain one) and have not written a master's thesis | |
| Results Report in Japanese or English【⑧】 | About 2,000 words in length.<br>Submit 1 original and 3 copies.<br>Draft on a computer using A4-size paper (horizontal text with 40 words per row and 40 rows per page). |

| Document to be Submitted【Document Number】 | Remarks |
|---|---|
| Research Results【⑨】 | 4 reprints or copies each of academic articles, conference presentations, research reports and any other research papers prepared on a computer using A4-size paper (horizontal text with 40 words per row and 40 rows per page). |

Note: If you have any questions about the application documents, please make sure to contact the Muse Office before the starting date of the Online Application at the earliest possible time.

### 3. Screening Method

The Graduate School will determine whether or not to admit applicants based on a comprehensive evaluation of document screening, written examination and oral examination.

### 4. Examination Components, Examination Time and Allocation of Points

| Written Examination | Oral Examination |
|---|---|
| Specialized Subject | |
| 10:00 ~ 11:30 (90 minutes) | Held after the written examination |

Note: More information about the oral examination will be provided on the day of the written examination.

### 5. Examination Details and Allocation of Points

| Written Examination (Specialized Subject) (100 Points) | Oral Examination (100 Points) |
|---|---|
| Queastion about evolving knowledge of the desired seminor theme. | You will be asked about the following points:<br>① Evolving knowledge on the specialist subject<br>② Research topic and methods after enrollment<br>③ Details of previous research |

Note: Please select a major subject and an academic advisor on applying.
However, academic advisor will be determined by the graduate school based on your wishes when applying.
If you select an academic advisor marked ※, please contact the Muse office in advance, because there is a semester or two in which they do not teach the subjects as they engage in research, at home or abroad.
The subjects and academic advisors may change as needed. If it changes, we will notify applicants via posting a notice (Japanese Version) on our website, please check our website before applying.
<https://www.kansai-u.ac.jp/Gr_sch/> (2023/4)

## Graduate School of Societal Safety Sciences: List of Major Subject and Academic Advisors for 2024 Academic Year (Ph.D. Degree Program)

| Major Subject and Academic Advisors | | | |
|---|---|---|---|
| Seismic Engineering | Professor | Doctor of Engineering<br>(Kyoto University) | ICHII, Koji |
| Safety Design | Professor | Doctor of Engineering<br>(Nagoya University) | ITO, Daisuke |
| Disaster Reduction and Resilient Society | Professor | Ph.D in Informatics<br>(Kyoto University) | OKUMURA, Yoshihiro |
| Risk Management | Professor | Ph.D in Commerce<br>(Osaka City University) | ※KAMEI, Katsuyuki |
| Safety of Crowd | Professor | Ph.D. in Engineering<br>(Osaka University) | KAWAGUCHI, Toshihiro |
| Urban Disaster Reduction Planning | Professor | Doctor of Philosophy in Engineering<br>(Kobe University) | KOSHIYAMA, Kenji |
| Geo-disaster Research | Professor | Ph. D, Land and Water Resources Science<br>(Royal Institute of Technology, KTH, Sweden) | KOYAMA, Tomofumi |
| Disaster Informatics | Professor | Doctor of Informatics<br>(Kyoto University) | ※KONDO, Seiji |
| Legal Systems for Social Safety<br>(Private Law) | Professor | Doctor of Philosophy in Laws<br>(Chuo University) | TAKANO, Kazuhiko |
| Hydrosphere Disaster Mitigation | Professor | Doctor of Engineering<br>(Tohoku University) | ※TAKAHASHI, Tomoyuki |
| Psychology of Social Safety | Professor | | TSUCHIDA, Shoji |
| Crisis Management Policy and Administration | Professor | Doctor of Human and Environmental Studies<br>(Kyoto University) | ※NAGATA, Shozo |
| Economics of Societal Safety | Professor | Ph.D.<br>(Osaka University) | NAGAMATSU, Shingo |
| Human Errors | Professor | Ph.D.<br>(Osaka University) | NAKAMURA, Takahiro |
| Occupational Safety and Health | Professor | PhD of Psychology, (Kwansei Gakuin University)<br>PhD of Medicine, (Okayama University) | HIROKAWA, Kumi |
| Engineering System Safety | Professor | Doctor of Engineering<br>(Kobe University) | HOSOKAWA, Shigeo |
| Disaster Psychology | Professor | Ph.D. in Educational Psychology<br>(Nagoya University) | MOTOYOSHI, Tadahiro |
| Legal Systems for Social Safety<br>(Public Law) | Professor | Doctor of Informatics<br>(Kyoto University) | YAMASAKI, Eiichi |
| Safety Management of Public Utilities | Professor | Doctor of Philosophy<br>(Kansai University) | YOSHIDA, Yutaka |