

Academic Year of 2023

Master's Program

Department of Dryland Science

Graduate School of Sustainability Science, Tottori University

Application Guidelines

for

Entrance Examination for October Admission

| | |
|-------------------------|---|
| Application Period | Wednesday, April 12, 2023 ~ Wednesday, April 19, 2023 |
| Examination Period | Tuesday, May 16, 2023 ~ Friday, May 19, 2023 |
| Announcement of Results | 11 a.m. Friday, July 7, 2023 |

Master's Program

Department of Dryland Science

Graduate School of Sustainability Science, Tottori University

4-101 Koyama-cho Minami, Tottori 680-8553

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E-mail: ag-kyoumu@ml.adm.tottori-u.ac.jp

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- Examination Fee Transfer Request Sheet

**Academic Year of 2023 Master's Program Department of Dryland Science
Graduate School of Sustainability Science, Tottori University
Entrance Examination for October Admission Application Requirements**

Graduate School of Sustainability Science is conducting an Entrance Examination for October Admission to recruit creative, independent and enthusiastic students from both internal and external institutions and train them to be excellent scientists. This entrance exam is open for international students.

1. Department, Courses, Positions Available, Field of Education and Research

| Department | Course | Positions Available | Field of Education and Research |
|-------------------------------|----------------------------|---------------------|---|
| Department of Dryland Science | Special Program in English | A few | See "List of Fields of Education and Research" on page 9. |

The Special Program in English will offer the whole course work in English to develop scientists with advanced skills to carry out projects that can contribute to the international society.

2. Qualification Requirements

Applicants must fulfill one of the criteria given from (1) to (10) below.

- (1) Graduated or expected to graduate from a four-year university program on or before the end of September 2023.
- (2) Awarded or expected to be awarded a bachelor's degree by the National Institution for Academic Degrees and Quality Enhancement of Higher Education following the School Education Law Article 104 Clause 7 on or before the end of September 2023.
- (3) Have finished or expected to finish 16 years of formal education in a foreign country on or before the end of September 2023.
- (4) Have finished or expected to finish 16 years of formal education of a foreign country on or before the end of September 2023 by completing Correspondence Education courses provided by the country in questions while residing in Japan.
- (5) Have finished or expected to complete a program provided by an educational institution which owns degree programs offered in foreign countries (only the program that grants the diploma for 16 years of formal education in the said foreign country) which is also recognized as a formal educational institution in the said county while authorized by the Minister of Education, Culture, Sports, Science and Technology on or before the end of September 2023.
- (6) Have been awarded or expected to be awarded a degree equivalent to bachelor's by completing program duration of which is more than 3 years (includes the case of finishing 16 years of formal education of a foreign country by completing Correspondence Education courses provided by the country in question while residing in Japan, and the case of obtaining degree specified by (5) when graduating from an educational institution recognized by the foreign country in question) at a university or other form of school in a foreign country (limited to the institutions with their educational quality such as education and research activities recognized

by the evaluators approved by the government of the foreign country in question or other relevant authorities, or institutions specifically recognized by its equivalent by the Minister of Education, Culture, Sports, Science and Technology) on or before the end of September 2023.

- (7) Have finished upper-level course of a specialized training college (limited to the course duration of which is more than 4 years and meets other requirements provided by the Minister of Education, Culture, Sports, Science and Technology), which is specially approved by the Minister of Education, Culture, Sports, Science and Technology, after the date provided by the Minister of Education, Culture, Sports, Science and Technology or be expected to finish above mentioned course before the end of September 2023.
- (8) Specially recommended by the Minister of Education, Culture, Sports, Science and Technology (Public notice Item 5 by Ministry of Education in 1953)
- (9) Reach or have reached 22 years old on or before September 30th, 2023 whose qualification is recognized to be equivalent or higher than those who graduated from a four-year university program by individual qualification evaluation at the Graduate School of Sustainability Science.
- (10) Admitted to a graduate school by the School Education Law Article 102 Clause 2, and one's academic performance is recognized to be suitable for the Graduate School of Sustainability Science.

Applicants who are applying under (9) or (10) category must visit the Academic Affairs Section of Faculty of Agriculture, Tottori University and get an application form for evaluation of qualification which should be submitted no later than Tuesday, February 28, 2023. The result of evaluation will be announced by Wednesday, March 22, 2023.

3. Application

(1) Period

Applications must be submitted from Wednesday, April 12 to Wednesday, April 19, 2023.

Reception hour is from 9 a.m. to 5 p.m.

Mailed applications will be accepted only when postmarked by the sending office on or before Monday, April 17, 2023.

(2) Place of Submission

4-101 Koyama-cho Minami, Tottori

680-8553

Academic Affairs Section

Faculty of Agriculture

Tottori University

Tel: (0857) 31-5342

(3) Application Procedures

Applicants must fill and submit the documents listed in the table below.

Applicants who is not residing in Japan have to submit the documents through his/her prospective primary supervisor.

Applicants must contact his/her prospective primary supervisor before submitting the application form.

Application submitted by mail should use registered mail and must be marked “Application for Entrance Examination for October Admission Enclosed” in red ink.

| | |
|--|--|
| ① Application Form | Use provided form |
| ② Manuscript of Oral Examination Presentation | Using the attached format as a reference, describe the research to be conducted after admission utilizing what you’ve learned previously in 1 page on A4 paper. Manuscript must be prepared in English. |
| ③ Research Proposal | Applicants must submit detailed research plans to be conducted at Department of Dryland Science. It must be written in English. (Format not specified) (A4 size paper, 4 - 6 pages) |
| ④ Academic Transcript and Letter of Recommendation | Applicants must submit an academic transcript issued by the head of last educational institution attended. Must be sealed in an envelope. In addition to that, foreign applicants must submit a letter of recommendation which can be prepared by an academic supervisor, immediate supervisor of currently affiliated research institution or current employer. |
| ⑤ TOEIC or TOEFL Score etc. | Applicants must submit the original score certificate of TOEIC, TOEFL, IELTS or PTE Academic obtained within 2 years prior to the application submission. Foreign applicants who graduated from universities of countries that use English as official language who are planning to stay in Japan with visa status of “student” are not required to submit this. Instead, a document that verifies completion of university education in English issued by the president or its equivalent authority of the university should be submitted. The certificate will be returned with your examination admission card. |
| ⑥ Certificate of (expected) Graduation | The certificate must be issued by an authorized person of applicant’s degree granting institute. (Applicants who graduated from the Faculty of Agriculture of Tottori University are not required to submit the certificate.) |
| ⑦ Examination Fee | 30,000 Japanese Yen Using the prescribed application for payment, make a transfer from the bank other than Post Office and Japan Post Bank. Make sure to get the “Proof of Examination Fee Payment” and attach it on the “Submission Sheet of Proof of Examination Fee Payment” as directed. (Do not use ATM machines. Please be aware that the bank transfer fees for payment shall be borne by applicants) The “Receipt Confirmation of Examination Fee (and bank transfer fee)” will serve as a receipt. It will be required when requesting a refund. The examination fee must be transferred to the account provided from Wednesday, |

| | |
|---|--|
| | <p>April 5, 2023 to Wednesday, April 19, 2023.</p> <p>The examination fee will not be refunded under any conditions except for the following:</p> <p>(A) Applicant did not apply (did not submit application)</p> <p>(B) Application did not get accepted</p> <p>(C) Examination fee was paid twice by mistake</p> <p>Applicants who is not residing in Japan have to make the remittance in Japanese-Yen.</p> |
| ⑧ Certificate of Degree Award or Certificate of Expected Degree Award | <p>Only applicants who are applying under (2) category are required to submit this document. Applicants expected to complete junior colleges or advanced courses of technical colleges must submit the certificate of expected degree award and documents to verify application for bachelor's degree conferment.</p> |
| ⑨ Passport etc. (Foreign Applicants Only) | <p>Foreign applicants who reside in Japan must submit a copy of passport, and Residence Card (both sides) or a document that proves status of residence. Foreign applicants residing outside Japan must submit a copy of passport.</p> |
| ⑩ Certificate of Health (Foreign Applicants Only) | <p>Foreign applicants must submit a certificate of health completed by a medical doctor within six months of application date.</p> |

4. Entrance Examination

Applicants will be evaluated based on document screening and internet-based oral examination.

(1) Document Screening

Based on the original score certificate of TOEIC, TOEFL, IELTS or PTE Academic and academic transcripts, language proficiency and basic knowledge will be evaluated.

(2) Internet-based Oral Examination

Applicants must participate in the Internet-based interview of a 10 minutes presentation (applicant must control the laptop etc.) based on the manuscript. Applicants' technical knowledge and suitability will be evaluated based on the presentation and Q & A. During the Q & A session, applicants may be asked about the presentation and the purpose and motive of application.

Examination details such as schedule will be discussed with applicants. The interview will be conducted during the period of Tuesday, May 16, 2023 to Friday, May 19, 2023.

5. Applicants with Physical Disability

Applicants with physical disability should submit a document (formats not specified) stating following along with a doctor's note or copy of physical disability certificate to the Academic Affairs Section of Faculty of Agriculture by Tuesday, February 28, 2023 to discuss possibly required assistance/accommodations at examination.

(1) Applicant's name and address (Phone number should be provided as well)

(2) Desired field of education/research

(3) Graduated university, faculty and department etc.

- (4) Type and level of disability
- (5) Accommodations necessary for examination
- (6) Accommodations necessary for course completion
- (7) Accommodations made at the graduated university
- (8) Description of daily life

6. Announcement of Examination Result

11 a.m. Friday, July 7, 2023

The original copy of the letter of acceptance will be sent out to accepted applicants via mail. The accepted applicant's number will be also posted on Tottori University's website: <https://www.admissions.adm.tottori-u.ac.jp/> around 11 a.m. No telephone inquiry will be accepted.

7. Admission Process

Instructions for admission process will be individually notified to accepted applicants.

(1) Processing Documents etc.

- Dossier, photograph mount for student ID etc.

(2) Entrance Fee 282,000 Japanese Yen (Tentative)

(3) Tuition Fees 535,800 Japanese Yen / year [First Semester: 267,900 Yen, Second Semester: 267,900 Yen] (Tentative)

- Tuition Fees must be paid in November (First Semester) and May (Second Semester)
- Payment instructions will be provided to accepted applicants

(NOTES) a. Once the payment is completed, the entrance fee will not be refunded under any conditions.

b. Students who wish to get an entrance/tuition fees exemption (or collection postponement) should not submit the entrance/ tuition fees upon admission process.

c. Above stated entrance/tuition fees amounts are tentative and may change at any time. Students will be asked to pay the revised amount while taking courses at Tottori University.

(4) Personal Accident Insurance for Students Pursuing Education and Research

i) Gakkensai : This is an accident insurance which covers injuries occurred as a result of a sudden accident while insured students are participating in regular or extracurricular activities, being on campus, or commuting to school.

Insurance premiums (2 years): 1,750 yen

Department in charge: Health Science Center (E-mail: hokekan-jimu@ml.adm.tottori-u.ac.jp)

ii) Insurance for International Students (Type E) : This insurance covers (1) Personal compensation responsibility : in case of causing injury to another person or damaging the property of others, (2) Rescuer expenses, etc. : compensate for the payment of transportation and accommodation expenses in case family members come to Japan to support the insured if he/she is hospitalized due to injury or illness for more than 3 days. (3) Movable property for daily use : in case of incurs a damage because his household goods are subject to fire or robbery in Japan. (4) Tenant Liability : in case of causing damage to a rented room

due to an accident involving fire or water leakage in Japan. (Unlike "Gakkensai", there is no restriction on time and place)

Insurance amount (2 years): 6,470 yen

Department in charge: International Affairs Division

(Tel (0857)31-5056, E-mail: kokuko-gaku@ml.adm.tottori-u.ac.jp)

(5) Place of Admission Process

4-101 Koyama-cho Minami, Tottori

Academic Affairs Section of Faculty of Agriculture, Tottori University

8. Extended Course System

This system provides students with fulltime occupation a chance to plan and complete the course within certain period (maximum of 4 years) beyond average period required for course completion (2 years).

Same amount paid for two-year course tuition will split into 3 (or 4) according to the plan.

Applicants who wish to use this system should contact the Academic Affairs Section of Faculty of Agriculture upon admission process.

9. Entrance Fee Exemption (deferment) and Tuition Exemption

Entrance or tuition fees (full or half amount) can be exempted if students meet one of the following conditions and university sees the extreme difficulty of entrance or tuition fees payment. Selection will be based on the application.

(1) Extreme difficulty paying for entrance or tuition fees although academic performance is excellent.

(2) Within one year prior to the admission, defrayer of academic expenses has deceased, or either self or defrayer of academic expenses got affected by natural disasters.

(3) Meets condition (2) and President of Tottori University recognizes the needs of waive in provided condition.

For more details, please contact Scholarship Section of Livelihood Support Office, Student Affairs Department. (E-mail st-syougaku@ml.adm.tottori-u.ac.jp)

10. Student Loan of Entrance Fee and Tuition Fees (Japan Finance Corporation)

This is an official financing facility of the expenses cost upon and during the enrollment at Tottori University.

In principle, applicants are students' parents or relatives who mainly make their living and meet the criteria.

Students can receive less than 3,500,000 yen with a fixed interest rate and pay back only interest during the period of his/her enrollment at Tottori University. For more details, please contact call center for student loan. (TEL (0570) 008656)

11. Scholarship

Students who cannot afford to pay and are recognized as academically and personally outstanding, and healthy may be eligible to receive a scholarship. Selection will be based on the application.

For more details, please contact Scholarship Section of Livelihood Support Office, Student Affairs Department. (E-mail st-syougaku@ml.adm.tottori-u.ac.jp)

12. Others

- (1) Please contact the Academic Affairs Section of Faculty of Agriculture, Tottori University for any inquiries related to application, examination and admission.

Oral Examination Manuscript Format

A4 (210 mm × 297 mm)

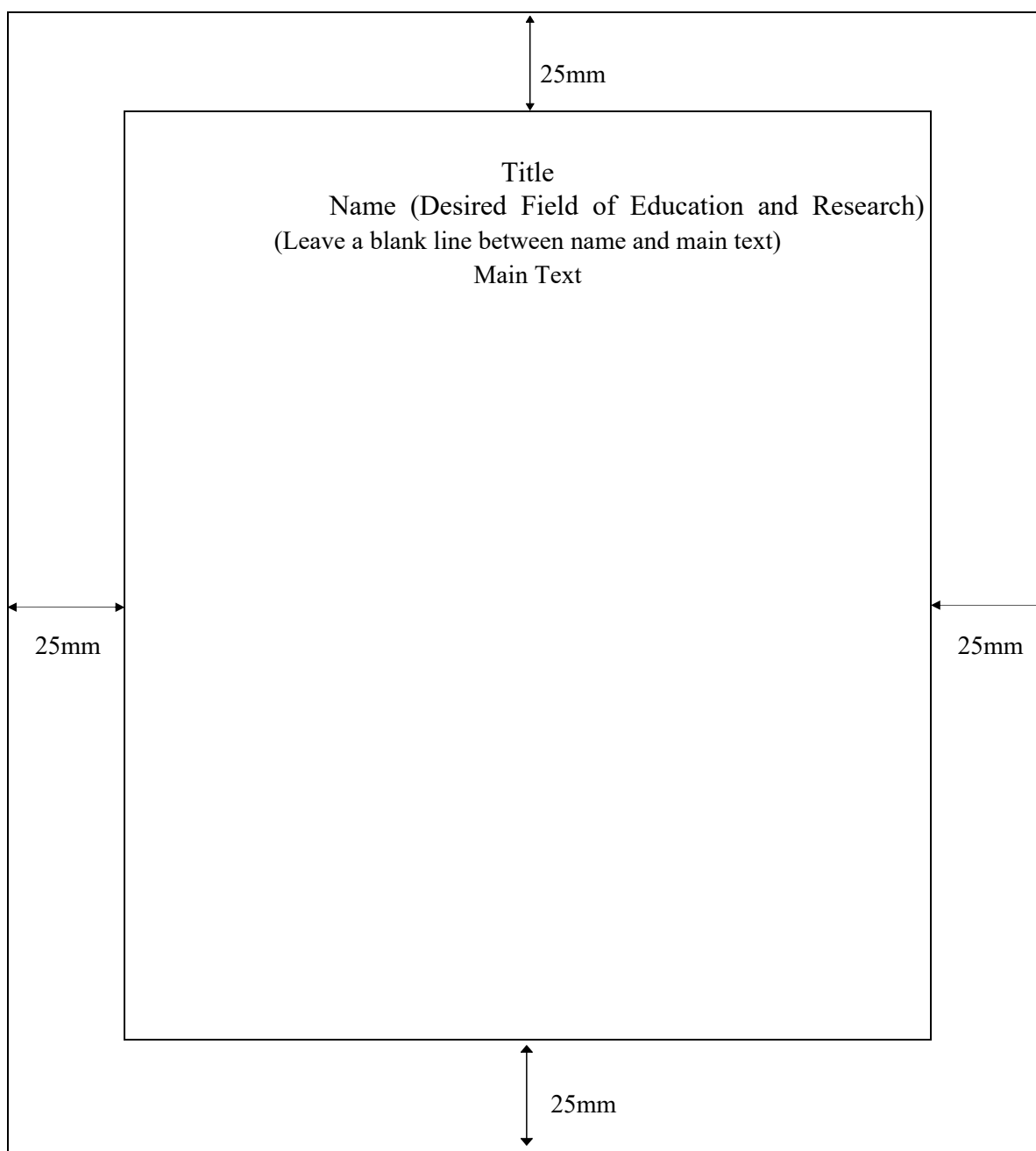
Font size etc.:

Title, name and desired field of education and research: 12 point

Main text: 11 or 12 point

Title should be centered, and name (desired field of education and research) should be aligned to the right.

Based on your knowledge, describe the research you'd like to conduct at the graduate school including research plan, background, and methods etc. You may include tables and figures (black and white). Manuscript must be typed with PC.



List of Fields of Education and Research

| Department | Course | Field of Education and Research | Faculty Member | Keyword 1 | Keyword 2 | Keyword 3 | Keyword 4 | Keyword 5 |
|--------------------------------|--|---|---------------------------|--|--|--|--|-----------------------------------|
| Department of Dryland Science | General Program/Special Program in English | Sustainable Land Management | Nigussie Haregeweyn AYEHU | Land degradation | Sustainable land management | Integrated watershed management | Spatial analysis | Hydrologic modeling |
| | | Soil and Water Management | Koji INOSAKO | Restoration of farm land | Soil-Plant-Atmospheric continuum system | Irrigation and drainage | Desalinization | Environmental biophysics |
| | | Dryland Environmental Resources | Tsuneyoshi ENDO | Soil resources | Irrigated agriculture | Behavior of salts | Soil salinization | Environmental remediation |
| | | Construction and Management Engineering of Facility in Rural Region | Hidehiko OGATA | Irrigation and drainage facilities | Farm road | Functional diagnosis | Stock management | Frost damage |
| | | Dryland Climatology | Yasunori KUROSAKI | Climatology & meteorology | Aeolian dust | Wind erosion | Climatic variation | Desertification |
| | | Agricultural Water Use and Management | Katsuyuki SHIMIZU | Agricultural water use | Field hydrology | Assessment of water delivery performance | Soil salinization | Micro hydropower |
| | | Molecular Breeding | *Hisashi TSUJIMOTO | Wheat | Stress tolerance improvement | Germplasm enhancement | Chromosome engineering | Food shortage |
| | | Conservation Informatics | Atsushi TSUNEKAWA | Environmental evaluation and modeling | Remote sensing | GIS | Regional environmental planning | Sustainable Land Management |
| | | Climate Risk Management | Mitsuru TSUBO | Agrometeorology | Micrometeorology | Crop model | Drought | Climate-smart agriculture |
| | | Dryland Salinity and Landscape Restoration | Kristina TODERICH | Biosaline Agriculture | Global drylands pastoralism | Phytoremediation | Crops-Livestock interaction | Food and Gender |
| | | Crop Production in Drylands | Eiji NISHIHARA | Medicinal plants | Allelopathy | Mitigation of replant problem | LED light in plant factory | Biochar |
| | | Irrigation and Drainage in Drylands | Haruyuki FUJIMAKI | Water-saving irrigation | Water harvesting | Leaching | Salinization | Erosion |
| | | Agricultural Development Studies | Kumi YASUNOBU | Area studies | Farm management studies | Technology diffusion | Rural development | Common resource management |
| | | Plant Nutrition | Satoshi YAMADA | Salinity | Mineral absorption | Crop quality | Aquaponics | Water saving |
| | | Revegetation Science in Drylands | *Norikazu YAMANAKA | Revegetation in arid areas | Ecosystem restoration | Forest ecology | Drought and salt tolerance of woody plants | Water relations of plants |
| | | Environmental soil science | Sadahiro YAMAMOTO | Conservation oriented agriculture | Salt affected soils | Soil quality assesment | Soil organic matter | Soil formation and classification |
| | | Plant Eco-Physiology | Ping AN | Environmental stresses | Tolerance Mechanisms | Dry lands agriculture | Saline soils | Halophytes |
| | | Dryland Health and Medicine | Shinji OTANI | Global health | Environmental medicine | Travel medicine | Infectious disease | Noncommunicable diseases |
| | | Dryland Restoration and Conservation Ecology | Toshihiko KINUGASA | Arid and semi-arid grassland | Global environmental change | Human disturbance | Secondary succession | Plant matter production |
| | | Meteorology in Drylands | Reiji KIMURA | Climatology-Meteorology | Land atmosphere interaction | Atmospheric boundary layer | Satellite | Hazard map |
| | | Land Environment and Conservation | Tadaomi SAITO | Soil water and solute movement | Interaction among soil, water and vegetation | Soil erosion | Environmental measurement techniques | UAV(Drone) |
| | | Renewable Energy Engineering | Kotaro TAGAWA | Solar and wind energy | Energy generation and conversion | Evaluation of energy system | Desalination | Heat and mass transfer |
| | | Microbiology in Drylands | Takeshi TANIGUCHI | Microbial ecology | Ecosystem restoration | Use of rhizosphere microorganisms | Metagenome | Mycorrhizal fungi |
| | | Facilities and Environmental Materials | Masahiro HYODO | Buried pipe | Evaluation of the residual strength | Environmental materials | Restoration of aquatic environment | Industrial by-product |
| | | Applied Meteorology in Drylands | Shaoxiu MA | Land surface modeling | Climate modeling | Big Data analysis | Climate change | Remote sensing |
| | | Stress Tolerance Breeding | Yasir Serag ALNOR | Molecular and speed breeding | Pre-breeding | Heat and salinity tolerance | Phenotyping | Omics |
| | | Aquatic Environmental Science | Yuri YAMAZAKI | Environmental impact assessment of agricultural catchments | Nitrogen run-off control | Environmentally friendly grazing | WEBGIS-based hydrological model | UAV Smart Agriculture |
| | | Theoretical Physics | Natsumi IKENO | Relativistic quantum mechanics | Strong interaction | Meson | Nucleus | Numerical calculation |
| | | Plant Cytogenetics | Takayoshi ISHII | Germplasm enhancement | Wide hybridization | Chromosome elimination | Genome editing (CRISPR) | New breeding techniques (NBT) |
| | | Terrestrial Carbon Cycle | Munemasa TERAMOTO | Global warming | Soil respiration | Carbon cycle | Terrestrial ecosystems | Greenhouse gas |
| Agricultural Extension Studies | Asres Elias BAYSA | Agricultural extension studies | Gender and development | Agricultural economics | Rural development | Africa | | |

* indicates professors retiring at the end of March, 2024

Academic Year of 2023
Master's Program Department of Dryland Science
Graduate School of Sustainability Science, Tottori University

Entrance Examination for October Admission

| Application Form | | Examinee's Number ※ | |
|--|--|---------------------|----------------------------|
| Department | Department of Dryland Science | Course | Special Program in English |
| Field of Education/Research | | | |
| Name | ENG | Sex | |
| | JPN <small>(Required for Japanese applicants)</small> | | |
| Date of Birth | Year | Month | Day |
| | | | |
| Qualification | University | | |
| | Faculty (School) of Department of | | |
| YYYY MM Graduation / Expected Graduation / Completion / Expected Completion | | | |
| Current Address | Zip Code | TEL | |
| | ENG | | |
| JPN | | | |
| Result Notification Address <small>(List only if it differs from the current address)</small> | Zip Code | TEL | |
| | ENG | | |
| JPN | | | |

- Notes
1. Circle on the items that apply
 2. Fill all column except for the ones marked with “※”
 3. **All applicants must communicate with their prospective primary supervisor of desired Field of Education and Research before submitting the application form.**
Please contact Academic Affairs Section of Faculty of Agriculture, Tottori University (contact information on the cover of this book) when you cannot reach the prospective primary supervisor.

| | | | | |
|--|--|---|----------------------|---|
| Name of Examinee | | | Examinee's Number | ※ |
| Emergency Contact Information | Japanese Phonetics | (Required for Japanese applicants) | | Relationship to Applicant |
| | Name | ENG | | |
| | | JPN (Required for Japanese applicants) | | |
| | Address | Zip code | TEL | |
| ENG | | | | |
| | | JPN | | |
| Resume <p>All applicants must fill out (High School) and Tertiary Education (Undergraduate) column. Applicants who are applying under (3), (4) or (6) of Qualification Requirements must fill all column including the ones of Primary Education (Elementary School) and Secondary Education (Middle School).</p> | | | | |
| | Name and Address of School | | Period of Attendance | Year and Month of Entrance and Completion |
| Example | (Name) <i>Tottori Elementary School</i> | | 6 years | (From) <i>2000.4</i> |
| | (Location) <i>Tottori City, Tottori, Japan</i> | | | (To) <i>2006.3</i> |
| Primary Education (Elementary School) | (Name) | | years | (From) |
| | (Location) | | | (To) |
| Secondary Education (Middle School) | (Name) | | years | (From) |
| | (Location) | | | (To) |
| (High School) | (Name) | | years | (From) |
| | (Location) | | | (To) |
| Tertiary Education (Undergraduate) | (Name) | | years | (From) |
| | (Location) | | | (To) |
| (Graduate Level) | (Name) | | years | (From) |
| | (Location) | | | (To) |
| | (Name) | | years | (From) |
| | (Location) | | | (To) |

Academic Year of 2023
 Master's Program
 Department of Dryland Science
 Graduate School of Sustainability Science
 Tottori University
ID Photo Card

Entrance Examination for October Admission

| | |
|--|-------------------------------|
| Examinee's Number | ※ |
| Name | |
| Department | Department of Dryland Science |
| Course | Special Program in English |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p>Photo</p> <p>Attach a photo of upper body part taken from the front, without hat/caps. Must be taken within 3 months.</p> <p style="text-align: center;">L:4cm W:3cm</p> </div> | |

Academic Year of 2023
 Master's Program
 Department of Dryland Science
 Graduate School of Sustainability Science
 Tottori University
Examination Admission Card

Entrance Examination for October Admission

| | |
|--|-------------------------------|
| Examinee's Number | ※ |
| Name | |
| Department | Department of Dryland Science |
| Course | Special Program in English |
| Field of Education and Research | |
| <p>Note:</p> <p>Examinees must bring this card to the examination venue on the exam day and present it on the desk while examination (oral examination).</p> | |

DO NOT TEAR APART

Do not write in the column with “※”

Do not write in the column with “※”

DO NOT TEAR APART

Academic Year of 2023
 Master's Program Department of Dryland Science
 Graduate School of Sustainability Science, Tottori University
Submission Sheet of Proof of Examination Fee Payment

