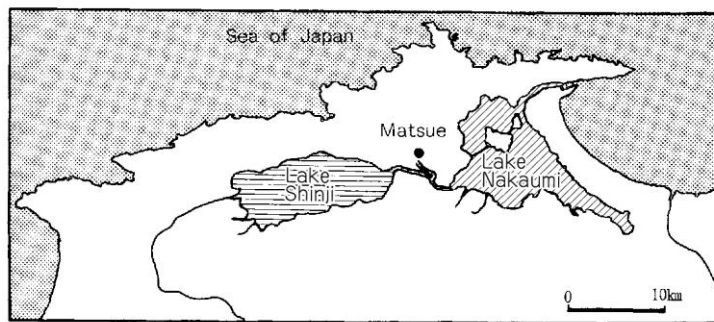
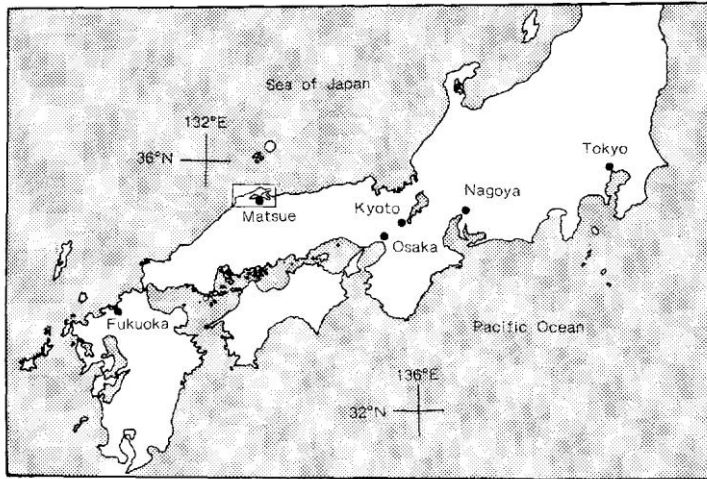


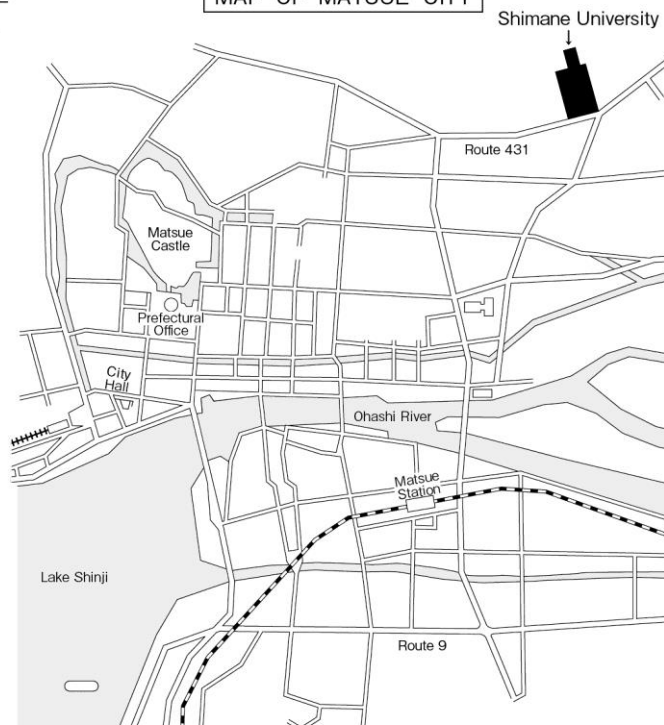
SPECIAL PROGRAM
FOR PRIVATELY FUNDED INTERNATIONAL STUDENTS
— GRADUATE COURSE IN LIFE AND ENVIRONMENTAL SCIENCE —

APPLICATION GUIDEBOOK
FOR THE 2016 ACADEMIC YEAR

SHIMANE UNIVERSITY
GRADUATE SCHOOL OF
LIFE AND ENVIRONMENTAL SCIENCE
MATSUE, JAPAN
2016



MAP OF MATSUE CITY



SPECIAL PROGRAM

FOR PRIVATELY FUNDED INTERNATIONAL STUDENTS - GRADUATE COURSE IN LIFE AND ENVIRONMENTAL SCIENCE - SHIMANE UNIVERSITY, FOR THE 2016 ACADEMIC YEAR

**留学生のための生物環境科学・特別プログラム
島根大学大学院生物資源科学研究科（修士課程）
私費外国人留学生・学生募集要項 2016年度**

The Graduate School of Life and Environmental Science, Shimane University recruits prominent foreign students for the SPECIAL PROGRAM of the two-year Master Course Program. This is for the students funded privately.

1. PURPOSE OF THE SPECIAL PROGRAM（設置目的）

The SPECIAL PROGRAM (SP) is designed to learn advanced education such as: Biological Science, Ecology and Environmental Science, Life Science and Biotechnology, Agriculture, and Regional Development. The courses are provided for students to learn the basic and applied sciences and enable them to conduct appropriate measures to deal with both environmental problems and bioresource problems globally. Further, the students are expected to be the leaders of their special field

2. CURRICULUM PROCEDURE（教育方法）

The SPECIAL PROGRAM (SP) is a two-year Master's course. The students in the SP has to earn more than 30 hour credits and are required to write Master's thesis to obtain their degree of Master of Science. They also must pass the final exam to get the Degree. All lectures and research activities are given by our faculty members in English. Some necessary advice is given by them as well.

3. FIELDS OF STUDY（専攻分野）

The applicants should select their field of study from the lists offered by the Faculty of Life and Environmental Science. The courses are:

Biological Science and Biotechnology（生物生命科学）

Agriculture and Forest Science（農林生産科学）

Environmental Science and Technology（環境資源科学）

4. NUMBER OF STUDENTS TO BE ADMITTED（募集人数）

The number of students to be admitted: Several

5. QUALIFICATIONS FOR APPLICATION (出願資格および条件)

Foreign student applicants from within or outside Japan should possess the following qualifications:

5-(1) Nationality (国籍):

Applicants should be of nationalities approved by the Japanese Government or have already lived in Japan.

5-(2) Age (年齢):

No limitation of age if the condition such as academic background, or necessary qualifications are satisfied.

5-(3) Academic Background (学歴):

Applicants should satisfy one of the following items:

(3)-1 Those who have bachelor's degree or who are expected to have graduated from college by the time of enrollment.

(3)-2 Those who have completed a 16-year formal school education in foreign countries or who are expected to have graduated from such.

(3)-3 Those who have completed a 15-year formal school education in foreign countries and who have been recognized by this Graduate School as having earned the necessary credits with excellent grades.

(3)-4 Those who were recognized to be equivalent or superior to university graduates in scholastic performance through the deliberation individually given by the Graduate School of Life and Environmental Science, Shimane University and fulfill the qualification of 22 years in age by September 30, 2016

* Those who fall under article (3)-4 above have to consult with Admissions Division, Shimane University, for prior certification and confirmation of their qualification by Monday, May 16, 2016.

5-(4) Health Condition (健康):

Applicants should be in good mental and physical health condition.

5-(5) Language Proficiency (語学能力):

A good working level in English is required.

5-(6) Arrival in Japan (渡日時期)

The admitted students must arrive in Japan:

Between October 1st to October 4th, 2016.

6. APPLICATION PROCEDURE (出願手続き)

6-(1) Documents for Application (出願書類)

Applicants should submit the following documents.

6-(1)-① Application Forms for Privately Funded Students

(私費外国人留学生入学願書)

- ①-a Use the form prescribed by Shimane University only.
- ①-b Applicants must fill in the prospective supervisor's name in the form.
- ①-c Applicants should choose supervisor and research course from **the list of 12-15 pages**.
- ①-d Please note that if applied without supervisor's name, the application might not be accepted.
- ①-e Applicants should make a close contact with their prospective supervisors, including the main instructor and sub-instructors. After the completion of the procedure, make concrete research plans to fill in the form.

6-(1)-② A Certificate of Health (健康診断書)

Fill in the prescribed form completed by the public medical doctor within six months of application date.

6-(1)-③ An Official Graduation Certificate (卒業証明書等)

- ③-a An official certificate of graduation from college (and graduate school), or
- ③-b A statement of completion of the under-graduate program by the end of September 2016, or
- ③-c A copy of the Degree of the Bachelor (and Master's Degree) of Science

6-(1)-④ A Transcript of Academic Records (成績証明書)

A transcript of academic records of college (and graduate school) with English translation issued by the school which the applicant attended.

6-(1)-⑤ TOEFL or TOEIC, etc. (英語能力証明書)

A copy of the record of TOEFL or TOEIC, etc.

6-(1)-⑥ Thesis of Bachelor (Master) of Science, etc. (学士論文等)

- ⑥-a A copy of the thesis and the summary of Bachelor of Science if the applicant has completed college, or the equivalent materials if the thesis is not available.
- ⑥-b A report of research if the applicant is still in college.
- ⑥-c A copy of the thesis and the summary of Master of Science if the applicant has completed graduate school, or the equivalent materials if the

thesis is not available.

⑥-d A report of research if the applicant is still in graduate school.

6-(1)-⑦ Published Papers, etc. (既発表論文等)

A reprint of their published papers or a copy of the manuscripts submitted for journals, etc.

6-(1)-⑧ Family Register, etc. (戸籍謄本等)

A certificate of the family register or the citizenship issued by the applicant's municipal authority.

6-(1)-⑨ A Recommendation Letter I (推薦書 I)

A Recommendation Letter from the applicant's advisers such as Director or Dean of applicant's Department or Division, addressed to the President of Shimane University.

6-(1)-⑩ A Recommendation Letter II (推薦書 II)

A Recommendation Letter from the professor who has taught the applicant, or the advisers who know well about applicant's research.

6-(1)-⑪ Photographs (写真)

⑪-a Passport sized 3 photographs (4.5cm x 3.5cm) showing a front face, up-from-bust, uncover headed. They should be taken within 6 months of the application date. Applicant's name and nationality should be written on the reverse side.

⑪-b Two photos should be pasted on the application form and the designated application form (attached form).

⑪-c One photo should be enclosed in the envelope together with the application documents.

6-(1)-⑫ Entrance Examination Fee (入学検定料)

⑫-a The entrance examination fee is ¥30,000.-

⑫-b The fee should be sent by the Registered Mail.

(If the fee is sent from foreign countries, it should be sent by the Registered Mail or the equivalent in Japanese Yen.)

⑫-c The original of the Receipt, in which the necessary items are filled, should be enclosed together with the documents.

⑫-d Entrance examination fee will be returned to the applicants in the case that the submitted application form was incorrect and was not accepted.

Notes (注意事項):

Note-(1) The above application documents should be either typewritten or word-processed in English or Japanese language. For all documents, the A-4 sized papers should be

used. If it is written in another language, the Japanese translation should be attached.

Note-(2) The application form should not be accepted unless all above mentioned items are fully and correctly completed and delivered by due date and time designated by Shimane University. (See below)

Note-(3) None of the documents submitted will be returned to the applicants.

6-(2) Application Period (出願期間)

The office hours of Admission Division (below) are:

From 9:00 a.m. to 5:00 p.m., from Monday through Friday.

Application should be made:

From June 1st (Wednesday) to June 17th (Friday), 2016

When submitted by postal mail, the application documents must arrive:

No later than 5:00 p.m. June 17th (Friday), 2016.

6-(3) Submission of Application (出願書類提出先)

All application materials should be submitted to:

Admissions Division, Shimane University

1060 Nishikawatsu-cho, Matsue, Shimane Prefecture

690-8504, Japan

7. Selection Process (入試方法)

7-(1) Interview, etc. (面接)

The applicant must get either (A) or (B) interview below:

(A) Interview venue: The interview will be held at **Shimane University.**

Interview date: **July 6th (Wednesday), 2016**

※ **Applicants residing in Japan only**

(B) Internet Interview: Three prospective supervisors will carry out the interview. Each supervisor will give once or more interviews.

Interview date: **June 22th (Wednesday) through July 6th (Wednesday), 2016**

※ **Applicants residing abroad only**

7-(2) Selection (選考)

The selection is to be made based on the submitted application documents and the above interview.

8. An Announcement of Admission (入学許可通知)

8-(1) An Announcement of Admission (通知方法)

After the above selection is done, the applicants should be examined by the Faculty members and be approved by the President. After these procedures, “The

Announcement of Admission” will be sent to the applicants at the middle of July, 2016.

8-(2) Tuition, etc. (学費等)

Admission Fee (入学料): ¥282, 000. —

Tuition (授業料・年額): ¥535, 800. —/year

(2)-1 Please note that if the amount of tuition changes while attending the University, the new tuition will be applied.

(2)-2 Please also note that there is a tuition exemption system by which the total amount or half amount of tuition would be exempted from the tuition. The system would be applied to the applicant after the proper screening.

9. The Entrance Time of year (入学の時期)

October, 2016

10. Remarks (注意事項)

10-(1) All the application documents should be sent by registered mail.

10-(2) With the enrollment, the new international students are advised as follows:

Although all the lectures or research activities will be given in English, the students should check about Japan before they come, especially Japanese climate, custom, weather and about Shimane University how it is like. Further, the students are advised to use Japanese language in their daily life.

11. Inquiries (問合せ先)

All inquiries should be to:

Admissions Division, Shimane University

FAX: +81-852-32-9276

E-mail : sad-nyushi04@office.shimane-u.ac.jp

OUTLINES OF PROGRAM

Biological Science and Biotechnology course

Biology of Skin E

Structure and function of skin and skin appendages including hair, nail, and various glands will be discussed in association of the developmental and regenerative processes in particular.

Theoretical Ecology E

Current major issue in theoretical ecology will be introduced.

Biodiversity of Plants E

Introduction to the diversity and evolution of plants. Topics include morphological, cytological and genetic studies of vascular plants.

Methodology of Plant Transformation E

Recent advance of T - DNA transfer mechanism from *Agrobacteria* to plant cells and its application for functional analysis of the genes and development of the genetically modified crops.

Hepatic Phylogenesis - Diversity and Evolution E

In this chapter you will examine the hepatic anatomy, histology, and physiology. This lecture presents a detailed description of hepatic architecture in vertebrates livers, and extensively discusses the phylogenetic viewpoint.

Developmental Biology E

Basic knowledge and concept of developmental biology will be explained. Especially, muscle development, cell death and growth during amphibian metamorphosis, limb development including interdigital cell death, stem cell biology, and the role of morphogens during morphogenesis will be focussed in the lecture.

Biology of Endosymbiosis E

Endosymbiosis is a primary force in eukaryotic cell evolution. Current research in biology of endosymbiosis within protists will be discussed.

Behavioral Ecology E

Introduction and discussion of the major theme in behavioral ecology (e.g., predator-prey interaction, co-evolution, and communication signal).

Biomolecular Signaling E

Review and discussion on cutting-edge studies regarding signaling molecules and mechanisms in neuroscience.

Genetic Engineering E

Examples of how genetic engineering affects human welfare and basic mechanism of cell differentiation will be discussed.

Advanced Protein Engineering E

Advanced protein engineering is a young discipline, with much research currently taking place into the understanding of protein folding and protein recognition for protein design principles.

Advanced Plant Molecular Genetics E

Mapping of gene and genetic engineering of plant by transformation for analysis of developmental mechanism will be discussed.

Advanced Biophysical Chemistry E

Advanced overview of molecular spectroscopy will be given especially on the specialized techniques for the research of biomolecules.

Molecular Cell Biology and Biochemistry for Food and Health Science E

Seminars on the progress of molecular cell biology and biochemistry in the fields of food, nutritional, nutraceutical, pharmaceutical, and health sciences.

Pathophysiology E

Basic knowledge of pathophysiology will be provided. Especially, this program will focus on the pathogenesis of obesity, diabetes, chronic kidney disease, and chronic vascular disease.

Plant Molecular Physiology E

This program will provide a fundamental knowledge about plant physiology based on recent molecular biological experiments, especially plant cell response against environmental stresses. The main subject of this program is following: metabolism and function of reactive oxygen species and antioxidants in plants and algae; role of antioxidants in the resistance of plants to environmental stress; regulation of the expression of antioxidant system in plants and signalling of oxidative stress.

Agriculture and Forest Science course

Production of Vegetables Grown in Hydroponics E

The media characteristics, nutrient solution distribution systems and some vegetables in some soilless cultures will be discussed.

Postharvest Biology and Technology of Fruit E

Physiology and molecular biology in maturation, ripening and softening, and postharvest

technology of fruit will be discussed in relation to ethylene synthesis, response and cell-wall degradation.

Functional Morphology in Rice E

Crop morphology and development linked with photosynthesis and respiration will be discussed., mainly focused on source-sink relationship.

Advanced Plant Breeding E

Evaluation and application of genetic resources for breeding and clarification of cultivated plant origin.

Conservation and Management of Plant Genetic Resources E

The importance, utilization and management of plant genetic resources will be discussed.

Biochemistry of Soil Fertility E

The statuses of organic nitrogen, Al⁻ and Fe⁻ phosphorus, and non-exchangeable potassium in soil will be discussed in relation to the mechanisms of plant nutrient acquisition.

Plant Molecular Breeding E

Isolation and characterization of useful gene for agricultural trait.

Advanced Livestock Production E

Ruminant animal nutrition, feeding and physiology will be discussed. Ruminants adipocyte development and relevant gene expressions will be also directed.

Horticultural Crop Physiology E

Seminar about plant physiology of horticulture crops, especially for reproductive biology of fruit trees. Flowering, self-incompatibility, fruit development, etc.

Advanced Technology for Protected Horticulture E

Method and theory of environmental control in protected horticulture, and vegetative propagation.

Plant Production Physiology E

Photosynthesis and dry matter production in crops will be discussed focused on methods of measurement of photosynthetic rate and growth analysis.

Advanced Forest Policy and Utilization E

Theory and method of forest policy and viable use of forest resources.

Advanced Forest Ecology E

Forest structure and dynamics, forest productivity and nutrient cycling, and management of forest ecosystems, will be discussed.

Advanced Plant Pathology E

Control of plant diseases caused by fungi and bacteria will be discussed.

Advanced Development Economics E

Several topics widely discussed in the economic development literature, such as issues of poverty eradication programs, income inequality and economic development, will be discussed.

Environmental Science and Technology course**Advanced Water Resources Use System Engineering E**

Water resource utilization planning, management and optimization technique, and rainwater utilization as a alternative resource will be discussed.

Advanced Nonpoint Sources and Hydrology E

Nonpoint sources, including pollution loads from agricultural and forest areas, and hydrological processes , including hydraulics and fluid mechanics, will be discussed.

Modeling Approaches for Advanced Watershed Management E

To discuss watershed managements, this lecture will be focused on nutrient load discharges from various land uses, and impacts of climate change against water environment in a watershed, using a watershed-scale environment model.

Advanced Structural Analysis and Design E

Advanced methods for structural analyses and design, such as numerical analyses and limit state design, are explained including their concepts and applications.

Electricity and Magnetism in Biological Systems E

This lecture aims to help students to master the theory of electricity and magnetism in biological systems. As many as possible of the topics discussed to illustrate the theory are relevant to biology.

Soil Microbiology E

Ecology and role of soil microorganisms will be discussed.

Aquatic Plant Ecology E

A lecture on the life history traits and / or the functional and structural aspects of aquatic macrophytes in fresh and brackish water environment based on some recent textbooks and articles.

Advanced Environmental Technology and Engineering E

Lecture about tendency of development new technology and functional inorganic materials for water purification , waste water treatment and water reuse.

Marine Ecology E

Ecological function of marine ecosystems, including estuarine coastal and lagoon environments, tidal flats and salt marshes, and brackish water systems, will be discussed.

Soil Science E

As a basic soil science, physical, chemical and biological properties of soils and the roles and variations of soils in various ecosystems will be introduced in this lecture.

Soil Eco-Engineering E

To learn function of soils and how to control it for environmental protection considering with better human life.

Aquatic Ecological Engineering E

Mechanisms and methods of water purification with aquatic organisms, and their application to renovating water environment will be discussed in this lecture.

Advanced Environmental Eco-Engineering E

Development of the purification materials for the eco-engineering, and removal and recovery of the harmful matters.

Analytical Atomic Spectrometry E

Fundamentals, instrumentation, and methods in the determination, speciation, and isotopic analysis of (trace) elements within fields of application will be introduced. Biological function of metallo (ion, metalloprotein, etc.) are also discussed.

List of Curriculums and Instructors

Curriculum	Credit	Instructor
<i>Biological Science and Biotechnology course</i>		
Biology of Skin E	2	Prof. T. Matsuzaki
Theoretical Ecology E	2	Assoc.Prof.A.Mougi
Biodiversity of Plants E	2	Prof. S.-J.Lin
Methodology of Plant Transformation E	2	Prof. K. Akama
Hepatic Phylogenesis - Diversity and Evolution -E	2	Assoc. Prof. H. Akiyoshi
Developmental Biology E	2	Prof. A. Nishikawa
Biology of Endosymbiosis E	2	Assoc. Prof. Y. Kodama
Behavioral Ecology E	2	Assis.Prof. T. Takahara
Biomolecular Signaling E	2	Prof. Y. Ozoe
Genetic Engineering E	2	Prof. M. Kawamukai
Advanced Protein Engineering E	2	Prof. Y. Sawa
Advanced Plant Molecular Genetics E	2	Prof. T. Nakagawa
Advanced Biophysical Chemistry E	2	Prof. T. Yamamoto
Molecular Cell Biology and Biochemistry for Food and Health Science E	2	Prof. K. Yokota and Assoc.Prof. M. Jisaka
Pathophysiology E	2	Assoc. Prof. H. Shimizu
Plant Molecular Physiology E	2	Prof. T. Ishikawa
Thesis Research E	16	Academic Advisor
<i>Agriculture and Forest Science course</i>		
Production of Vegetables Grown in Hydroponics E	2	Prof. T. Asao
Postharvest Biology and Technology of Fruit E	2	Prof. H. Itamura
Functional Morphology in Rice E	2	Assoc. Prof.K. Kobayasi
Advanced Plant Breeding E	2	Prof. N. Kobayashi
Conservation and Management of Plant Genetic Resources E	2	Prof. T. Matsumoto
Biochemistry of Soil Fertility E	2	Prof. S. Matsumoto
Plant Molecular Breeding E	2	Assoc. Prof. A. Nakatsuka
Advanced Livestock Production E	2	Prof. T. Ichinohe and Assis. Prof. S-H. Song
Horticultural Crop Physiology E	2	Assoc. Prof. T. Esumi
Advanced Technology for Protected Horticulture E	2	Assis.Prof.H.Tanaka
Plant Production Physiology E	2	Assoc. Prof. M. Kadowaki
Advanced Forest Policy and Utilization E	2	Prof. K. Ito and Prof. K. Koike

Advanced Forest Ecology E	2	Assoc. Prof. H. Kawaguchi, Assoc. Prof. M. Kubo and Assis. Prof. R. Fujimaki
Advanced Plant Pathology E	2	Prof. M. Ueno
Advanced Development Economics E	2	Assis. Prof. S. Takada
Thesis Research E	16	Academic Advisor
<i>Environmental Science and Technology course</i>		
Advanced Water Resources Use System Engineering E	2	Prof. I. Kita
Advanced Nonpoint Sources and Hydrology E	2	Prof. I. Takeda
Modeling Approaches for Advanced Watershed Management E	2	Assoc. Prof. H. Somura
Advanced Structural Analysis and Design E	2	Assoc. Prof. M. Ishii
Electricity and Magnetism in Biological Systems E	2	Prof. A. Yano
Soil Microbiology E	2	Prof. K. Itoh
Aquatic Plant Ecology E	2	Prof. H. Kunii
Advanced Environmental Technology and Engineering E	2	Prof. T. Sato
Marine Ecology E	2	Assoc. Prof. K. Kurata
Soil Science E	2	Prof. T. Masunaga
Soil Eco-Engineering E	2	Prof. T. Masunaga
Aquatic Ecological Engineering E	2	Prof. K. Yamaguchi
Advanced Environmental Eco-Engineering E	2	Assoc. Prof. T. Kuwabara
Analytical Atomic Spectrometry E	2	Assoc. Prof. Y. Suzuki
Thesis Research E	16	Academic Advisor

Total credit hours required : 30

List of Major Advisors

Biological Science and Biotechnology

Prof. T. Matsuzaki
Assoc.Prof.A.Mougi
Prof. S.-J.Lin
Prof. K. Akama
Assoc. Prof. H. Akiyoshi
Prof. A. Nishikawa
Assoc. Prof. Y. Kodama
Prof. Y. Ozoe
Prof. M. Kawamukai
Prof. Y. Sawa
Prof. T. Nakagawa
Prof. T. Yamamoto
Prof. K. Yokota
Assoc. Prof. H. Shimizu
Prof. T. Ishikawa

Agriculture and Forest Science

Prof. T. Asao
Prof. H. Itamura
Assoc. Prof. K. Kobayasi
Prof. N. Kobayashi
Prof. T. Matsumoto
Prof. S. Matsumoto
Assoc. Prof. A. Nakatsuka
Prof. T. Ichinohe
Assoc. Prof. T. Esumi
Assoc. Prof. M. Kadowaki
Prof. K. Ito
Prof. K. Koike
Assoc. Prof. M. Kubo
Prof. M. Ueno

Environmental Science and Technology

Prof. I. Kita
Prof. I. Takeda
Assoc. Prof. H. Somura
Assoc. Prof. M. Ishii
Prof. A. Yano
Prof. K. Itoh

Prof. H. Kunii

Prof. T. Sato

Prof. T. Masunaga

Prof. K. Yamaguchi

Assoc. Prof. T. Kuwabara

Assoc. Prof. Y. Suzuki

A Profile of Shimane University

Shimane University was founded in 1949 as a national university with two faculties: the Faculty of Literature and Science which was made up of Matsue Higher School (originally founded in 1920), and the Faculty of Education which was made up of Shimane General School (originally founded in 1875), Shimane General School for Youth (originally founded in 1933).

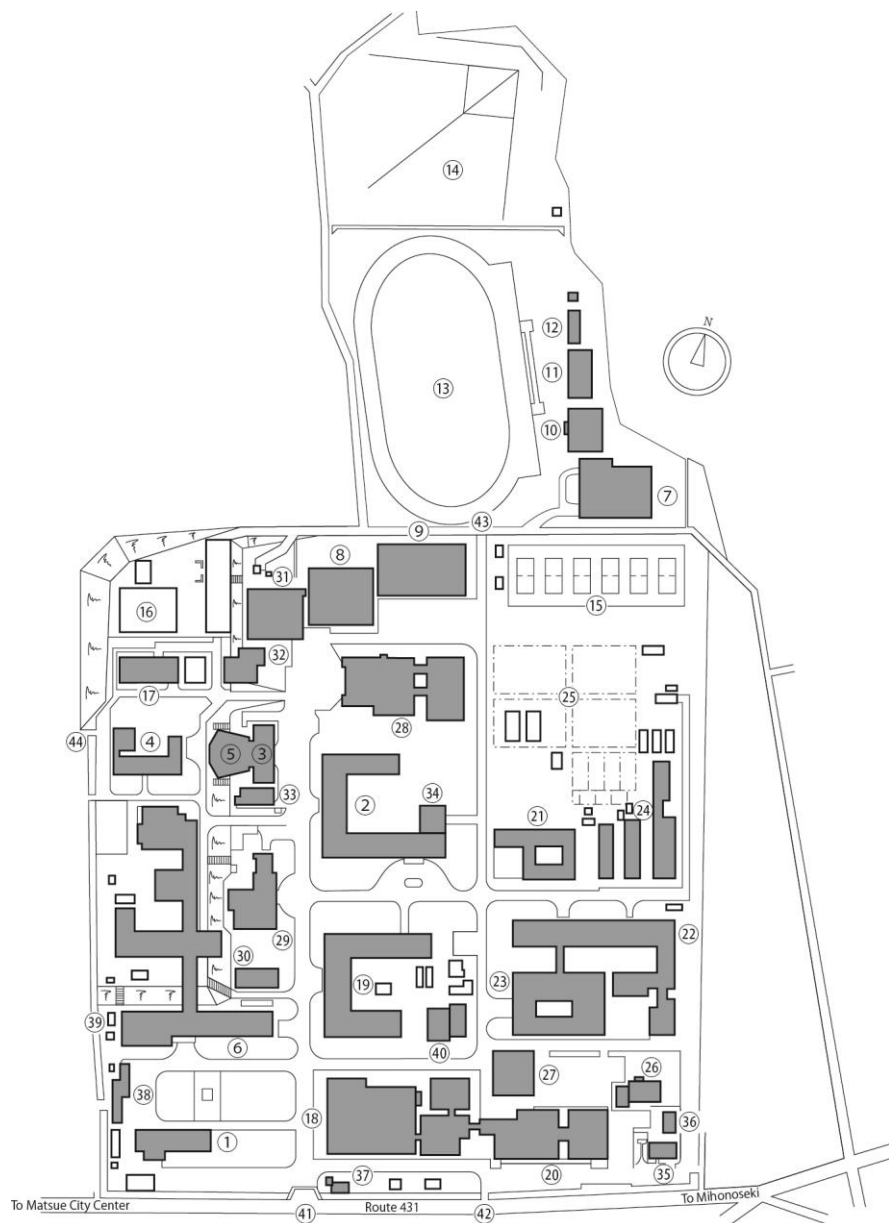
Shimane and Shimane Medical Universities amalgamated on October 1st, 2003. The new Shimane University has two main campuses, and consists of five faculties. Law and Literature, Education, Life and Environmental Science, and the Interdisciplinary Faculty of Science and Engineering are housed at the Matsue campus, and the Faculty of Medicine is based at the Izumo campus. The combined Shimane University now has 1920 staff and 6122 students, including 164 international students as of May 1st, 2014.

Shimane University now has five graduate schools (Humanities and Social Science, Education, Medicine, Science and Engineering, and Life and Environmental Science), and three doctorate graduate schools (Medicine, the Interdisciplinary Faculty of Science and Engineering, and the United Graduate School of Agricultural Science). In addition, the university also operates several other research centers, facilities and hospitals.

In addition to undergraduate, graduate, and postgraduate students, there are several other categories of students comprising auditors, special auditors, and research students.

Since its establishment, Shimane University has endeavoured to cultivate persons of ability who will contribute to the development of society. With this in mind and its historical background, the university aspires to be an international university open to the South - East Asia and Pacific Rim regions. Shimane University has Academic Exchange Agreements with fifty two universities in twenty countries as of February 1st , 2014.

SHIMANE UNIVERSITY
MATSUE CAMPUS



- 1 Administration Bureau Building
- 2 Laboratories of the Faculty of Law and Literature
- 3 General Education Building, I
- 4 General Education Building, II
- 5 University Hall
- 6 Laboratories of the Faculty of Education
- 7 Gymnasium, I
- 8 University Union
- 9 Gymnasium, II
- 10 Training Center
- 11 Judo and Kendo Gymnasium
- 12 Sports Instrument Store House
- 13 Athletic Field
- 14 Ball Park
- 15 Tennis Court
- 16 Swimming Pool & Dressing Rooms
- 17 Facilities for Extracurricular Activities
- 18 Interdisciplinary Faculty of Science and Engineering Building, I
- 19 Interdisciplinary Faculty of Science and Engineering Building, II
- 20 Interdisciplinary Faculty of Science and Engineering Building, III
- 21 Faculty of Life and Environmental Science Building, I
- 22 Faculty of Life and Environmental Science Building, II
- 23 Faculty of Life and Environmental Science Building, III
- 24 Labs and Facilities (Faculty of Life and Environmental Science)
- 25 Farm
- 26 Information Processing Center
- 27 Research Institute of Molecular Genetics
- 28 University Library
- 29 Student Center
- 30 Student Support Center
- 31 Cafeteria, I
- 32 Cafeteria, II
- 33 Health Administration Center
- 34 Research Center For Coastal Lagoon Environments
- 35 Waste Fluid Treatment Building
- 36 Organic Waste Fluid Burning Treatment Building
- 37 Gatehouse
- 38 Garage
- 39 Handicraft and Engineering Work Center
- 40 Boiler Room
- 41 Main Gate
- 42 East Gate
- 43 North Gate
- 44 West Gate

BRIEF INTRODUCTION TO MATSUE CITY

Matsue City, with a population of about 200,000, lies some 800 kilometers to the west of Tokyo, from where it can be reached in one and a half hours by plane, and six and a half hours by train. Located in the eastern part of Shimane Prefecture, the city is the seat of the prefectural government, and is the political, economic and cultural center of the region.

It is a beautiful city, well-known from ancient times as the “town of water”, with the large lakes of “Nakaumi” and “Shinjiko” on the eastern and the western borders of the city respectively. This region, which is traditionally called the “Province of Izumo,” was one of the most prosperous cultural centers in ancient Japan, with local government established in Matsue as far back as the sixth century. A considerable number of the old town's relics are still found in and around the city. Since Matsue Castle was built in 1611, Matsue has enjoyed prosperity as a castle town and developed as the political, economic and cultural center of the province. Even today, original structures, such as Matsue Castle, the Samurai House, and the waterways running through the city, are still in original condition.

Lafcadio Hearn (1850-1904), an Irish-born journalist and writer, was sent to Matsue by Harper's in 1890. He was so enchanted by this old castle town during his 15 month stay that he married into an old samurai family. In 1896 he was naturalized as a Japanese citizen and took the Japanese name “Koizumi Yakumo”. Famous among his writings are *Glimpses of Unfamiliar Japan*, *Kwaidan*, and *Japan: An Attempt at Interpretation*. Matsue City keeps his old residence as it used to be, and next to it stands the Lafcadio Hearn Memorial Museum which was rebuilt in 1984 in Japanese style. Even today citizens of Matsue still have a strong attachment to Lafcadio Hearn.

In 1951, Matsue was designated an “International Cultural and Sightseeing City”, one of three such cities in Japan, together with Kyoto and Nara. Matsue, known as an international town which has maintained its time-honored traditions, attracts a great many tourists from abroad as well as from various parts of Japan. In recent years the city has seen rapid urbanization, and the streets, still rich in the atmosphere characteristic of a castle town, are changing their appearance. Urbanization represents a new start for the central city of the San-in district and promises a bright future.

The climate of the Matsue area is rather mild throughout the year, with an average yearly temperature around 14°C. In the summer the temperature averages around 26°C, with some very hot days over 30°C in the middle or latter part of the season. In the winter the temperature, on the average, is somewhere around 4°C. During the winter the weather tends to be rainy with strong north-westerly winds, but only light snowfalls.

留学生のための生物環境科学特別プログラム
島根大学大学院生物資源科学研究科（修士課程）
私費外国人留学生学生募集要項（2016年度）

島根大学大学院生物資源科学研究科（修士課程）においては、生物環境科学に関する研究を行う私費外国人留学生を下記により募集する。

1. 設置目的

本プログラムは、「生物，生態，生命，生産，生活」を基軸にした生物環境科学に関する基礎的並びに応用的な教育と研究を行うことによって、地球規模での環境問題や生物資源に関する諸問題に取り組むことができる高度で専門的な知識を有し、しかも指導的役割を担うことのできる人材の養成を図る。

2. 教育方法

本プログラムは、2年間の博士前期課程で、留学生特別コースに定める教育課程において30単位以上修得し、学位論文を提出し、その審査及び最終試験に合格すれば、修士（生物資源科学）の学位を授与する。

本プログラムにおいては開設する授業科目及び研究指導をすべて英語で行う。

3. 専攻分野

専攻分野の決定に当たっては、下記の「生物生命科学」、「農林生産科学」及び「環境資源科学」を念頭において選択すること。

生物生命科学
農林生産科学
環境資源科学

4. 募集人員

若干名

5. 出願資格及び条件

(1) 国籍

日本政府が承認している国で、新たに留学する者及び日本国内に在住している者

(2) 年齢

学歴等の資格及び条件を満たせば、制限はしない。

(3) 学歴

①大学を卒業した者及び卒業見込みの者

②外国において学校教育における16年の課程を修了した者及び修了見込みの者

③外国において学校教育における15年の課程を修了し、所定の単位を優れた成績をもって修得したと本研究科において認めた者

④本研究科において、個別の入学資格審査により、大学を卒業した者と同等以上の学力があると認

められた者で、22歳に達したもの及び平成28年9月30日までに達するもの

(注) 出願資格の④により出願を希望する者については、平成28年5月16日(月)までに学務課に照会してください。

(4) 健康

心身ともに健康で大学における学業に支障がない者

(5) 語学能力

十分な英語力を有する者

(6) 渡日時期

2016年10月1日から10月4日までの間に必ず渡日可能な者

6. 出願手続

(1) 出願書類

志願者は、次の出願書類等を提出すること。

①私費外国人留学生入学願書	・ 本学所定の用紙を使用すること。 ・ 志願者は、入学願書に希望する指導教員名を記入しなければならない。指導教員と研究分野は、12～15ページの一覧表から選択すること。 なお、申請書に指導教員名の記入のない場合は、審査することができないので特に注意すること。 ・ 志願者は、本研究科の指導教員予定者（主指導教員と副指導教員を含む）と密接な連絡をとって、入学願書に記載する研究計画を作成しなければならない。
②健康診断書	公立病院で最近6ヵ月以内に受診したもので所定の様式による。
③卒業証明書等	最終出身大学（学部及び大学院）の卒業証明書又は学位記（写）、卒業見込証明書等
④成績証明書	最終出身大学（学部及び大学院）の成績証明書（出身大学で発行したもの、英語以外のものは英文訳を添付すること。）
⑤英語能力証明書	TOEFL, TOEIC等の成績表
⑥学士論文等	i 卒業者は学士（卒業）論文の写し及び要旨、ただし論文がない場合はこれに替わるもの ii 卒業見込みの者は、研究経過報告書 iii 大学院修了者は、修士論文の写し及び要旨、ただし論文がない場合はこれに替わるもの iv 大学院修了見込みの者は、研究経過報告書
⑦既発表論文等	既発表論文の別刷、投稿中論文の写し及び口頭発表要旨の写し
⑧戸籍謄本等	本国の戸籍謄本又は市民籍等の証明書
⑨推薦書Ⅰ	所属大学等の学部長・研究科長レベルの推薦書（島根大学長あてのもの）
⑩推薦書Ⅱ	申請者と個人的交流があり、さらに申請者の教育研究に対して保証できる指導教授又はそれに準ずる責任ある教員からの推薦書とする。

⑪写真	<p>最近6ヵ月以内に撮影した上半身、正面、脱帽、サイズ4.5×3.5cmのもの3枚（裏面に国籍及び氏名を記入したもの）</p> <ul style="list-style-type: none"> ・2枚は入学願書と入学願書（別紙）の所定の場所に貼付すること。 ・1枚は出願書類に同封すること。
⑫入学検定料	<p>入学検定料30,000円を「現金書留」で郵送すること。（日本国外に在留している者は、日本「円」で各国の「現金書留」に相当する郵便で送ること。）また、領収書原符及び領収書に必要事項を記入のうえ同封すること。なお、出願書類等を提出したが受理されなかった場合を除き、納入された入学検定料はいかなる理由があっても返還はできない。</p>

(注1) これらの出願書類は、日本語又は英語のいずれかにより英文タイプ又はワープロを用いてA4サイズに統一して作成すること。（その他の言語により作成する場合は、日本語による訳文を添付すること。）

(注2) 上記の入学願書が、すべて完全かつ正確に記載されていない場合、又は付属書類が不備であったり、提出期日（大学必着）が過ぎたものについては受理しない。

(注3) 提出された書類は返却しない。

(2) 出願期間

2016年6月1日（水）から6月17日（金）までの平日午前9時から午後5時までとする。なお、郵送の場合も、6月17日（金）午後5時までに必着とする。

(3) 出願書類提出先

郵便番号 690-8504

島根県松江市西川津町 1060

島根大学教育・学生支援部 学務課

7. 入試方法

(1) 面接等

志願者は、次の①または②のいずれかの面接等を受けなければならない。

実施方法	実施期日
①面接 （本学を会場として実施するもの） ※日本国内在留者に限る	2016年7月6日（水）
②インターネット・インタビュー （志望専攻またはコースに所属する3名の教員が各教員各1回以上のインタビューを行う。） ※日本国外在留者に限る	2016年6月22日（水）～ 2016年7月6日（水）

(2) 選考

面接等と提出された書類に基づき選考する。

8. 入学許可通知

- (1) 本研究科では合格候補者を選考し、研究科委員会の議を経て、学長の許可を得た後、本研究科から、7月中旬に入学許可を志願者に通知する。
- (2) 学費：入学料 282,000 円，授業料（年額） 535,800 円
在学中に授業料の改定が行われた場合には，新授業料を適用する。
選考のうえ，授業料の全額又は半額を免除する制度がある。

9. 入学の時期

2016 年 10 月

10. 注意事項

出願書類は，書留郵便にて送付すること。

留学生への講義，研究指導は英語で行われるが，渡日に先立ち，日本の風土，習慣，気候，大学の状況等についてあらかじめ知識を得ておくこと。

また，研究以外の日常生活は日本語での生活となることについて十分理解しておくこと。

11. 問合せ先

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