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### I Admission Quota

Major	Quota
Environmental Science	A Few
Agricultural and Life Science	A Few

Note 1: The admission quota of each major shows the number of applicants who will be selected through screening for advancement.

### II Application Guidelines for Entrance Examination (Time of Enrollment: April 2017)

#### 1 Eligibility for Application

Those to whom any of the following items is applicable, or is expected to be applicable by March 2017.

- (1) Have a master's or professional degree.
- (2) Have been awarded a degree equivalent to a master's degree or professional degree abroad.
- (3) Have taken a correspondence course of education provided by a foreign school in Japan and have been awarded a degree equivalent to a master's or professional degree.
- (4) Have completed a program in Japan provided by an educational institution that is positioned as having graduate programs under the relevant foreign education system and which is designated separately by the Japanese Minister of Education, Culture, Sports, Science and Technology, and who have been awarded a degree equivalent to a master's or professional degree.
- (5) Have completed the program at United Nations University and have been awarded a degree equivalent to a master's degree.
- (6) Have completed a curriculum at a foreign school, an educational institution that has received the designation under item (4), or the United Nations University, who have passed an examination or a screening equivalent to those stipulated in Article 16-2 of Standards for the Establishment of Graduate Schools, and who are deemed to have academic ability equivalent to or greater than that of a master's degree holder.
- (7) Are designated by the Minister of Education, Culture, Sports, Science and Technology.
- (8) Are deemed to have academic ability equal to or greater than that of a master's or professional degree holder by the Graduate School through an individual admission eligibility screening and who have reached the age of 24 years.

Note 1: Applicants who are expected to complete a master's program or master's course at Okayama University in March 2017 must apply following "III Guidelines for Screening for Advancement" (described on p. 7).

Note 2: Those who “(A)re designated by the Minister of Education, Culture, Sports, Science and Technology” specified in item (7) above refers to applicants who meet any of the following conditions, and who have the experience of engaging in research in a university or research institution for more than 2 years after graduation or completion of university or other institution, with research achievements, such as published books, academic papers, academic lectures, academic reports, or patents, which are considered to be equivalent to or higher than a master’s thesis. (It is necessary to apply Application Eligibility Screening. See “**2 Application Eligibility Screening**”.)

1) Those who graduated from a university.

2) Those who have completed 16 years of school education in a foreign country or who have completed 16 years of school education in Japan by taking a correspondence course of education provided by a foreign school.

Note 3: Those who “(A)re deemed to have academic ability equal to or greater than that of a master’s or professional degree holder by the Graduate School through an individual admission eligibility screening” specified in the item above refers to applicants who have passed an academic proficiency test (written and oral examinations) and an interview that the Graduate Schools provides as the screening of the eligibility for application after document screening. (It is necessary to apply Application Eligibility Screening. See “**2 Application Eligibility Screening**”.) However, when an applicant’s ability can be confirmed based on the documents submitted, the applicant will be exempted from the written examination.

The date, method, and other information related to the academic ability test and the interview will be assigned to cases individually.

## 2 Application Eligibility Screening

For those applicants who fall under **item (7) or (8)** specified in the previously described “**1 Eligibility for Application**”, we conduct application eligibility screenings before application. The applicants must submit the following documents to the Graduate School Section, Academic Affairs Division, Graduate School of Environmental and Life Science during each period.

### Acceptance Period of Documents for Application Eligibility Screening

Entrance Examination for April 2017 Enrollment (Third Submission Period)	February 8, 2017 to February 10, 2017
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### Documents Required for Application Eligibility Screening

Documents Required for Application	Remarks
(1) Application Form and Record for Approval of Application Eligibility	Use the forms prescribed by the Graduate School of Environmental and Life Science.
(2) Record of Achievements	Use the form prescribed by the Graduate School of Environmental and Life Science. (Briefly describe objective findings from research results relevant to the field of major.) For academic papers, attach an offprint or a copy. In the case of presentations, attach a summary or an abstract for research presentations.
(3) Certificate of Research Content Engaged	Use the form prescribed by the Graduate School of Environmental and Life Science. (The form must be completed by the institution with which the applicant is affiliated.)

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|---|--|
| (4) Academic Transcript<br>(of last completed education)    | Submit a transcript issued by the president of the final school from which the applicant graduated.  |
| (5) Graduation Certificate<br>(of last completed education) | Submit a graduation certificate issued by the president of the final school from which the applicant graduated.  |
| (6) Qualifications and Licenses                             | Submit copies of licenses relevant to the field of major that might be of some help for assessing proficiency.<br>(Make A4-sized photocopies with brief explanations.) |

Note: Forms (1)–(3) are attached to the end of the submission documents.

For additional details related to the application eligibility screening, see Notes 2 and 3 in **“1 Eligibility for Application.”**

### 3 Application of Persons with Disabilities

Applicants with disabilities might need special considerations when taking examinations and classes. Consult with us in the way described below before application.

Have a consultation as early as possible, considering the time necessary to inform you of the results of the consultation and take necessary measures based on special considerations.

Deadline of Consultation	Entrance Examination for April 2017 Enrollment (Third Submission Period)	February 10, 2017
Method of Consultation	Request a “Form of Preliminary Consultation for Application”, and consult with a doctor’s medical certificate and (for only those who have been issued) a copy of the handbook for people with disabilities.	
Request to: Consult with:	Graduate School Section Academic Affairs Division Graduate School of Environmental and Life Science Okayama University 3-1-1, Tsushima-naka, Kita-ku, Okayama 700-8530, Japan Phone: 086-251-8576	

### 4 Application Procedures

#### 1) How to Apply

Applicants must submit all the document described in “5) Documents Required for Application” below during the acceptance hours (8:30–17:15) in “2) Application Periods.”

#### 2) Application Periods

Entrance Examination for April 2017 Enrollment (Third Submission Period)	February 24, 2017 to February 27, 2017
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When sending the documents by mail, they must be sent by “Registered, Express Mail”. Write “Enc. Application Form for Doctoral Program of Graduate School of Environmental and Life Science” in red on the envelope and send it to arrive no later than each date stated in the **Application Period** above.

**Applicants must contact a prospective supervisor as early as possible before application to consult about research content, etc.**

### 3) Address for Submission

Graduate School Section  
Academic Affairs Division  
Graduate School of Environmental and Life Science  
Okayama University  
3-1-1, Tsushima-naka, Kita-ku, Okayama 700-8530, Japan  
Phone: 086-251-8576

### 4) Notes on Application

- (1) No change shall be permitted after submission in terms of the contents of the submitted documents.
- (2) No document shall be returned for any reason after the application documents are accepted.
- (3) Application with incomplete application documents or shortage of entrance examination fee shall not be accepted.
- (4) Please note carefully that admission might be withdrawn even after enrollment if the contents of the submitted documents are found to include false entries.
- (5) Certificates issued under the former surname (first name), which differs from the name written on the application form, are usable. However, in such cases, attach a document (in any form) that the date of surname (first name) change and the new surname (first name) are written personally by the applicant.

### 5) Documents Required for Application

Documents Required for Application	Remarks
(1) Application Form, CV and Admission Ticket for Examination	Fill out necessary items on the forms prescribed by Graduate School of Environmental and Life Science personally by the applicant.
(2) Photograph	Affix a photograph (4 cm long × 3 cm wide, upper body, no headwear, facing forward, taken within the three months before application) on the prescribed space on the “Application Form” and the “Admission Ticket for Examination.” Before affixing, write the name of the intended major course of study and your name on the back of the photographs.
(3) Entrance Examination Fee	30,000 yen (A separate transfer fee is required.) The entrance examination fee must be paid using the attached “Transfer Slip for Entrance Examination Fee” from a window of financial institutions, including JP banks and post offices ( <u>ATM cannot be used</u> ). Glue a “Certificate of Transfer for Entrance Examination Fee” on the prescribed space (the column bottom of Admission Ticket for Examination).  Refund of Entrance Examination Fee The entrance examination fee paid is not refundable for any reason, except in the following cases: a) Entrance examination fee was paid, but application was not made (or application documents were not submitted or accepted.) b) Entrance examination fee was paid twice by mistake. c) Those applicants who are Monbukagakusho

- sponsored students need not pay the entrance examination fee, in principle. However, for cases in which the period of their scholarship ends by March 31, 2017, the payment of the entrance examination fee is required.
- When the extension of the scholarship period is approved, the entrance examination fee will be refunded.
- (4) Transcript of Faculty Submit a certificate issued by the president of the university or the dean of the faculty from which you graduated.
- (5) Transcript of Graduate School Submit a certificate issued by the president or the dean of the graduate school from which you graduated.
- (6) (Prospective) Completion Certificate Submit a certificate issued by the master's program (master's course) or the professional graduate school from which you completed.
- (7) Theses Submit one of the following:
- a) For master's degree holders with a master thesis, a "copy of the master's thesis" and an "Abstract of Thesis (of approx. 2,000 words using the form prescribed by Graduate School of Environmental and Life Science)."
  - b) For applicants who are expected to complete a master's program, who are master's degree holders without a master thesis, or who apply under **item (6), (7) or (8) of "1 Eligibility for Application"**, a "Research Progress Report (of approx. 2,000 words using the form prescribed by the Graduate School of Environmental and Life Science)."
- Attach other materials such as research publications, if any.
- (8) Research Plan Document Use the form prescribed by Graduate School of Environmental and Life Science.
- (9) CV and Certificate of Research Content Engaged With regard to those who will fall under **item (2) or (3) of "1 Eligibility for Application"**, the years of curriculum and the history of research must be confirmed. Submit the form prescribed by Graduate School of Environmental and Life Science after filling out necessary items.
- (10) Confirmation/ Report on Screening Equivalent to Screening for Basic Ability of Doctoral Dissertation Research Those who will apply under **item (6) of "1 Eligibility for Application"** must submit a "Confirmation/ Report on Screening Equivalent to Screening for Basic Ability of Doctoral Dissertation Research" (see an example of the format) issued by the president of the university (or the graduate school) that conducted the screening and its accompanying documents.
- (11) Mailing Envelope for Admission Ticket for Examination Put the label stated below in (12) Label of Contact Address (for mailing an admission ticket for examination) and 362 yen worth of stamps on the

(12) Label of Contact Address

designated envelope.  
Fill out the necessary items.

**Applicants who were confirmed to be eligible for application in the application eligibility screening need not submit certificates from (4)--(6).**

#### **6) Purpose of Use of Personal Information**

Application documents submitted and personal information written on them are used for affairs related the selection of entrants.

However, regarding entrants, we use their personal information written on the application form, including name, gender, date of birth, current address, and schools graduated from, as registry data for basic student information in the academic affairs system at Okayama University.

In addition, successful applicants' personal information, examinee number and name (kanji/ kana), are used for the systems for tuition fee debt management and tuition fee exemption at Okayama University.

When application for admission fee exemption, postponement of admission fee collection, tuition fee exemption, or scholarships such as those of Japan Student Services Organization was made, the applicant's entrance examination results and academic transcript might be used to handle academic ability judgment related to affairs such as postponement of admission fee collection.

#### **5 Issue of Admission Ticket for Examination**

Admission tickets for examination will be sent to applicants themselves around each date stated below. If the admission ticket has not arrived by four days before examination day, please contact the office in charge (p. 8).

Entrance Examination for April 2017 Enrollment (Third Submission Period)	Around February 27, 2017
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#### **6 Methods for Selection of Entrants**

Selection of entrants shall be made comprehensively based on the results of an oral examination and document review.

The oral examination will be conducted mainly concerning the applicant's master's thesis and research plan document.

If necessary, we will pose questions to assess English language ability (or Japanese language ability for international students) during the oral examination.

#### **Entrance Examination for April 2017 Enrollment (Third Submission Period)**

Date	Examination Category	Time	Place of Examination
March 1, 2017	Oral Examination	9:30 a.m. –	A prospective supervisor will notify applicants of the location later.

Note 1: The date and time of the oral examination above might be changed after applicants are contacted.

Note 2: If no information about the date, time, or place of the oral examination has been received by February 28, please inquire to the office in charge (P. 8).

## 7 Announcement of Successful Applicants

Successful applicants will be announced on a bulletin board.

Entrance Examination	Date	Place of Bulletin Board
Entrance Examination for April 2017 Enrollment (Third Submission Period)	10:00 a.m. on March 9, 2017	The bulletin board in front of the office of Graduate School Section, Academic Affairs Division, Graduate School of Environmental and Life Science, Okayama University (1F, Building No. 1, Faculty of Engineering)

Note 1: The examinee numbers of successful applicants will be announced on the bulletin board. A letter of acceptance and other materials will be sent directly to successful applicants dated on the day of the announcement.

Note 2: After the announcement on the bulletin board, the examinee numbers of successful applicants will be posted on the homepage (<http://www.gels.okayama-u.ac.jp/admission/index.html>).

Note 3: We will never under any circumstances respond to inquiries by phone, etc. concerning passing or failing the examination.

## 8 Admission Procedures

### (1) Method of Admission Procedures

Successful applicants will be accepted into the program after having completed the admission procedures. Details will be separately informed to successful applicants later.

### (2) Period of Admission Procedures

The period of admission procedures has been scheduled as follows. However, successful applicants will be informed about details later.

April 2017 Entrants: March 14, 2017 to March 15, 2017

## 9 Other

### (1) Admission Fee and Tuition Fee

Admission fee: 282,000 yen (expected amount)

Tuition fee: 267,900 yen (for half a year); 535,800 yen (for a year) (expected amount)

※ When the amount was revised at the time of admission or while at school, the new amount will be applied from the time of the revision.

In addition, a premium for Personal Accident Insurance for Students Pursuing Education and Research, etc. will be needed as an additional expense.

### (2) Day/Evening Course System

Graduate School of Environmental and Life Science applies the special provision for educational methods (Day/Evening Course System) stipulated in Article 14 of Standards for Establishment of Graduate Schools to make it easier for students who work during class hours to take courses. We provide classes and research guidance not only during the day, but also during evenings (and Saturdays, summer and winter vacations, etc.).

(3) Study Assistance

We have many systems for study assistance: admission fee exemptions, admission fee collection postponement, tuition fee exemptions, and scholarships.

(4) If there is anything unclear about application, please inquire to the office in charge below.

Graduate School Section

Academic Affairs Division

Graduate School of Environmental and Life Science

Okayama University

3-1-1, Tsushima-naka, Kita-ku, Okayama 700-8530, Japan

Phone: 086-251-8576

Fax: 086-251-8580

URL of Graduate School of Environmental and Life Science: <http://www.gels.okayama-u.ac.jp/>



① Division of Environmental Science

1. Department of Urban Environment Development

Research Areas	Class Subjects	Instructors
Urban and Transport Planning	Urban Transport Planning (J/E)	HASHIMOTO Seiji, Associate Professor
	Seminar in Urban Transport Planning (J/E)	HASHIMOTO Seiji, Associate Professor
Regional Cultural Landscape	Community Design (J/E)	HIGUCHI Teruhisa, Associate Professor
	Seminar in Regional Cultural Landscape (J/E)	HIGUCHI Teruhisa, Associate Professor
Water Cycle Assessment	Water Cycle Assessment (J/E)	OKUBO Kenji, Professor
	Seminar in Water Cycle Assessment (J/E)	OKUBO Kenji, Professor
Hydraulic Engineering	Advanced Hydraulics (J/E)	MAENO Shiro, Professor AKOH Ryosuke, Assistant Professor
	Seminar in Hydraulic Engineering (J/E)	MAENO Shiro, Professor AKOH Ryosuke, Assistant Professor
	Numerical Hydraulics (J/E)	YOSHIDA Keisuke, Associate Professor
	Seminar in Hydraulic Engineering (J/E)	YOSHIDA Keisuke, Associate Professor
Geotechnical and Geoenvironmental Engineering	Applied Geotechnical and Geoenvironmental Engineering (J/E)	TAKESHITA Yuji, Professor KIM Byeong-Su, Assistant Professor
	Seminar in Geotechnical and Geoenvironmental Engineering (J/E)	TAKESHITA Yuji, Professor KIM Byeong-Su, Assistant Professor
Applied Computational Mechanics	Numerical Analyses for Environmental Transport Phenomena (J/E)	NISHIYAMA Satoshi, Professor
	Seminar in Applied Computational Mechanics (J/E)	NISHIYAMA Satoshi, Professor
	Applied computational mechanics for environmental issues (J/E)	KIMOTO Kazushi, Associate Professor
	Seminar in Applied Computational Mechanics (J/E)	KIMOTO Kazushi, Associate Professor
Environmental vibration and energy engineering	Vibration Energy Design (J/E)	HIEJIMA Shinji, Associate Professor
	Seminar in Environmental vibration and energy engineering (J/E)	HIEJIMA Shinji, Associate Professor

(J): in Japanese, (E): in English, (J/E): in Japanese and/or English

## 2. Department of Rural Environment Management

Research Areas	Class Subjects	Instructors
Vegetation Management	Function and Management of Weed Vegetation (J/E)	☆OKI Yoko, Professor
	Seminar in Vegetation Management (J/E)	☆OKI Yoko, Professor
Aquatic Zoology	Management of Aquatic Animals (J/E)	NAKATA Kazuyoshi, Associate Professor
	Seminar in Aquatic Zoology (J/E)	NAKATA Kazuyoshi, Associate Professor
Lithosphere Management	Lithosphere Function (J/E)	MAEDA Morihiro, Professor
	Seminar in Lithosphere Management (J/E)	MAEDA Morihiro, Professor
Agricultural Land Engineering	Conservation of Agricultural Land Environment	
	Seminar in Agricultural Land Engineering	
	Soil Environmental Engineering (J/E)	MORI Yasushi, Professor
	Seminar in Agricultural Land Engineering (J/E)	MORI Yasushi, Professor
Terrestrial Information Management	Advanced Terrestrial Information Management (J/E)	MORITA Hidenori, Associate Professor
	Seminar in Terrestrial Information Management (J/E)	MORITA Hidenori, Associate Professor
Irrigation and Drainage	Irrigation and Environmental Biophysics (J/E)	☆MIURA Takeshi, Professor
	Seminar in Irrigation and Drainage (J/E)	☆MIURA Takeshi, Professor
	Environmental Soil Hydrology (J/E)	MOROIZUMI Toshitsugu, Professor
	Seminar in Irrigation and Drainage (J/E)	MOROIZUMI Toshitsugu, Professor
Catchment Hydrology	Analysis of Hydrologic Process (J/E)	CHIKAMORI Hidetaka, Professor
	Seminar in Catchment Hydrology (J/E)	KUDOU Ryouji, Associate Professor
	Catchment and Hydrologic Environment (J/E)	CHIKAMORI Hidetaka, Professor
	Seminar in Catchment Hydrology (J/E)	CHIKAMORI Hidetaka, Professor
Design of Environmental Infrastructures	Analysis of Geoenvironment (J/E)	NISHIMURA Shin-ichi, Professor
	Seminar in Design of Environmental Infrastructures (J/E)	NISHIMURA Shin-ichi, Professor
	Design of Environmental Infrastructures (J/E)	SHUKU Takayuki, Associate Professor
	Seminar in Design of Environmental Infrastructures (J/E)	SHUKU Takayuki, Associate Professor
Management of Geohydraulic Structures	Watershed Geohazard Mechanics (J/E)	SHIBATA Toshifumi, Associate Professor
	Seminar in Management of Geohydraulic Structures (J/E)	SHIBATA Toshifumi, Associate Professor
Environmental Economics	Advanced Environmental Economics (J/E)	KUKI Yasuaki, Associate Professor
	Advanced Rural planning (J/E)	KUKI Yasuaki, Associate Professor
	Seminar in Environmental Economics (J/E)	KUKI Yasuaki, Associate Professor
International Rural Studies	Advanced Course of Sustainability of Rural System (J/E)	KIM Doo-Chul, Professor
	Seminar in International Rural Studies (J/E)	KIM Doo-Chul, Professor
	Advanced course for international development and environmental issues (J/E)	UBUKATA Fumikazu, Associate Professor
	Seminar in International Rural Studies (J/E)	UBUKATA Fumikazu, Associate Professor
Landscape Geography	Advanced Landscape Geography (J/E)	ICHIMINAMI Fumikazu, Professor
	Seminar in Landscape Geography (J/E)	ICHIMINAMI Fumikazu, Professor

(J): in Japanese, (E): in English, (J/E): in Japanese and/or English

Names marked with a star (☆) are scheduled for retirement as of March 31, 2017

### 3 . Department of Environmental Ecology

Research Areas	Class Subjects	Instructors
Physiological Plant Ecology	Applied Plant Ecology (J/E)	SAKAMOTO Keiji, Professor
	Seminar in Physiological Plant Ecology (J/E)	SAKAMOTO Keiji, Professor
	Tree Physiology (J/E)	MIKI Naoko, Associate Professor
	Seminar in Physiological Plant Ecology (J/E)	MIKI Naoko, Associate Professor
Environmental soil science	Forest soil science (J/E)	SHIMA Kazuto, Professor
	Seminar in Environmental soil science (J/E)	SHIMA Kazuto, Professor
Forest Ecology	Forest Environments (J/E)	HIROBE Muneto, Associate Professor
	Seminar in Forest Ecology (J/E)	HIROBE Muneto, Associate Professor
Conservation of Aquatic Biodiversity	Conservation Malacology (J)	FUKUDA Hiroshi, Associate Professor
	Seminar in Conservation of Aquatic Biodiversity (J)	FUKUDA Hiroshi, Associate Professor
Insect Ecology	Insect Ecology (J/E)	TAKAHASHI Kazuo, Associate Professor
	Seminar in Insect Ecology (J/E)	TAKAHASHI Kazuo, Associate Professor
Evolutionary Ecology	Evolutionary Ecology (J)	MIYATAKE Takahisa, Professor
	Seminar in Evolutionary Ecology (J)	MIYATAKE Takahisa, Professor
Bioproduction Systems Engineering	Bioproduction Systems Engineering (J)	MONTA Mitsuji, Professor
	Seminar in Bioproduction Systems Engineering (J)	MONTA Mitsuji, Professor
	Information Engineering for Bioproduction (J)	NAMBA Kazuhiko, Associate Professor
	Seminar in Bioproduction Systems Engineering (J)	NAMBA Kazuhiko, Associate Professor
Resources Management	Economics of Environmental and Resources Management (J)	YOKOMIZO Isao, Professor
	Seminar in Resources Management (J)	YOKOMIZO Isao, Professor
	Rural Resources Management (J)	DATAI Hisashi, Associate Professor
	Seminar in Resources Management (J)	DATAI Hisashi, Associate Professor
Farm Management Systems and Information Processing	Management for Food Economics (J)	KOMATSU Yasunobu, Professor
	Seminar in Farm Management Systems and Information Processing (J)	KOMATSU Yasunobu, Professor
	Information Processing Methods for Food Economics (J)	OONAKA Katsutoshi, Associate Professor
	Seminar in Farm Management Systems and Information Processing (J)	OONAKA Katsutoshi, Associate Professor

(J): in Japanese, (E): in English, (J/E): in Japanese and/or English

#### 4 . Department of Human Ecology

Research Areas	Class Subjects	Instructors
Mathematical Analysis for Environmental Studies	Applied Mathematical Analysis (J/E)	KAJIWARA Tsuyoshi, Professor
	Seminar in Mathematical Analysis for Environmental Studies (J/E)	KAJIWARA Tsuyoshi, Professor
	Mathematical Analysis of Dynamics (J)	SASAKI Toru, Associate Professor
	Seminar in Mathematical Analysis for Environmental Studies (J/E)	SASAKI Toru, Associate Professor
Environmental modeling and analysis	Mathematical and environmental modeling (J/E)	WATANABE Masaji, Professor
	Seminar in Environmental modeling and analysis (J/E)	WATANABE Masaji, Professor
Applied Numerical Analysis	Optimization Algorithms (J/E)	☆SUITO Hiroshi, Professor
	Seminar in Applied Numerical Analysis (J/E)	☆SUITO Hiroshi, Professor
Environmental Statistics	Advanced Environmental Influence Research (J/E)	SAKAMOTO Wataru, Professor
	Seminar in Environmental Statistics (J/E)	SAKAMOTO Wataru, Professor
	Environmental Data Analysis System (J/E)	☆FUEDA Kaoru, Associate Professor
	Seminar in Environmental Statistics (J/E)	☆FUEDA Kaoru, Associate Professor
Design and Analysis of Environmental Survey and Experiments	Statistical Analysis for Environmental studies (J/E)	KURIHARA Koji, Professor
	Seminar in Design and Analysis of Environmental Survey and Experiments (J/E)	KURIHARA Koji, Professor
	Advanced Multivariate Analysis (J)	IIZUKA Masaya, Professor
	Seminar in Design and Analysis of Environmental Survey and Experiments (J)	IIZUKA Masaya, Professor
	Environmental and Information Data Analysis (J)	ISHIOKA Fumio, Associate Professor
	Seminar in Design and Analysis of Environmental Survey and Experiments (J)	ISHIOKA Fumio, Associate Professor
Environmental Epidemiology	Principle of Environmental Risk Management (J/E)	TSUDA Toshihide, Professor
	Environmental Health Policy (J/E)	TSUDA Toshihide, Professor
	Seminar in Environmental Epidemiology (J/E)	TSUDA Toshihide, Professor
International Health	Global Health (J/E)	YORIFUJI Takashi, Associate Professor
	Seminar in International Health (J/E)	YORIFUJI Takashi, Associate Professor

(J): in Japanese, (E): in English, (J/E): in Japanese and/or English

Names marked with a star (☆) are scheduled for retirement as of March 31, 2017

5 . Department of Sound Material-Cycle Science

Research Areas	Class Subjects	Instructors
Solid Waste Management	Special Topics in Solid Waste Engineering and Management (J/E)	FUJIWARA Takeshi, Professor
	Seminar in Solid Waste Management (J/E)	FUJIWARA Takeshi, Professor
	Special Topics in Waste Management Planning (J/E)	MATSUI Yasuhiro, Associate Professor
	Seminar in Solid Waste Management (J/E)	MATSUI Yasuhiro, Associate Professor
Risk Management in Sustainable Society	Advanced Course on Water Treatment Engineering (J/E)	NAGARE Hideaki, Associate Professor
	Seminar in Risk Management in Sustainable Society (J/E)	NAGARE Hideaki, Associate Professor
Environmental Measurement and Control	Special Topics in Water Environment and its Assessment (J/E)	KATSUYA Kawamoto, Professor
	Seminar in Environmental Measurement and Control (J/E)	KAWAMOTO Katsuya, Professor
	Advanced Resources and Environmental System Management (J/E)	TAKEUCHI Fumiaki, Associate Professor
	Seminar in Environmental Measurement and Control (J/E)	TAKEUCHI Fumiaki, Associate Professor
Environmental Conscious Materials	Composite Material Science (J/E)	AYANO Toshiki, Professor
	Seminar in Environmental Conscious Materials (J/E)	AYANO Toshiki, Professor
	Infrastructure Design (J/E)	FUJII Takashi, Associate Professor
	Seminar in Environmental Conscious Materials (J/E)	FUJII Takashi, Associate Professor
Assessment of Geo-environment	Geo-environmental Evaluation (J/E)	KOMATSU Mitsuru, Associate Professor
	Seminar in Assessment of Geo-environment (J/E)	KOMATSU Mitsuru, Associate Professor
Atmospheric Environment Assessment	Basis on Climate Change (J/E)	☆KAWAMURA Katsuyuki, Professor
	Seminar in Atmospheric Environment Assessment (J/E)	☆KAWAMURA Katsuyuki, Professor
	Atmospheric Environmental Science (J/E)	IWATA Toru, Associate Professor
	Seminar in Atmospheric Environment Assessment (J/E)	IWATA Toru, Associate Professor
Planning of Sound-Material Cycle Society	Systems Analysis for Sound Material-Cycle Society (J/E)	ABE Hirofumi, Professor UJIHARA Takehito, Associate Professor
	Seminar in Planning of Sound-Material Cycle Society (J/E)	ABE Hirofumi, Professor UJIHARA Takehito, Associate Professor

(J): in Japanese, (E): in English, (J/E): in Japanese and/or English

Names marked with a star (☆) are scheduled for retirement as of March 31, 2017

## 6 . Department of Material and Energy Science

Research Areas	Class Subjects	Instructors
Ceramic Materials	Computational Materials Science (J/E)	NANBA Tokuro, Professor
	Seminar in Ceramic Materials (J/E)	NANBA Tokuro, Professor
	Inorganic Materials Chemistry (J/E)	BENINO Yasuhiko, Associate Professor
	Seminar in Ceramic Materials (J/E)	BENINO Yasuhiko, Associate Professor
Inorganic Functional Material Chemistry	Environmental Inorganic Materials Science (J/E)	KAMESHIMA Yoshikazu, Professor
	Seminar in Inorganic Functional Material Chemistry (J/E)	KAMESHIMA Yoshikazu, Professor
	Environmental Inorganic Materials Design (J/E)	NISHIMOTO Shunsuke, Associate Professor
	Seminar in Inorganic Functional Material Chemistry (J/E)	NISHIMOTO Shunsuke, Associate Professor
Advanced Organic Materials	Molecular Design for Advanced Materials (J/E)	TAKAGUCHI Yutaka, Associate Professor
	Seminar in Advanced Organic Materials (J/E)	TAKAGUCHI Yutaka, Associate Professor
	Synthesis of Advanced Organic Molecules (J/E)	TAJIMA Tomoyuki, Senior Assistant Professor
	Seminar in Advanced Organic Materials (J/E)	TAJIMA Tomoyuki, Senior Assistant Professor
Environmental Polymer Chemistry	Precise Polymerization Methodology (J/E)	KIMURA Kunio, Professor
	Seminar in Environmental Polymer Chemistry (J/E)	KIMURA Kunio, Professor
	Structural Properties of Environmental Polymers (J/E)	YAMAZAKI Shinichi, Associate Professor
	Seminar in Environmental Polymer Chemistry (J/E)	YAMAZAKI Shinichi, Associate Professor
Environmental Process Engineering	Process Design for Environment (J/E)	KIMURA Yukitaka, Professor
	Seminar in Environmental Process Engineering (J/E)	KIMURA Yukitaka, Professor
	Process Design for Separation (J/E)	SHIMANOCHI Toshinori, Associate Professor
	Seminar in Environmental Process Engineering (J/E)	SHIMANOCHI Toshinori, Associate Professor
Environmental Reaction Engineering	Optimization of environmental chemical reaction operation (J/E)	KATO Yoshiei, Professor
	Seminar in Environmental Reaction Engineering (J/E)	KATO Yoshiei, Professor
	Catalysis for Energy Resources Conversion (J/E)	UDDIN Md. Azhar, Professor
	Seminar in Environmental Reaction Engineering (J/E)	UDDIN Md. Azhar, Professor

(J): in Japanese, (E): in English, (J/E): in Japanese and/or English

## ② Division of Agricultural and Life Science

### 1. Department of Biofunctional Chemistry

Research Areas	Class Subjects	Instructors
Applied Natural Product Chemistry	Applied Natural Product Chemistry (J/E)	KIYOTA Hiromasa, Professor
	Seminar in Applied Natural Product Chemistry (J/E)	KIYOTA Hiromasa, Professor
	Applied Chemistry of Bioactive Compounds (J/E)	IZUMI Minoru, Associate Professor
	Seminar in Applied Natural Product Chemistry (J/E)	IZUMI Minoru, Associate Professor
Chemistry of Bioactive Compounds	Chemistry and Biochemistry of Bioactive Compounds (J/E)	KANZAKI Hiroshi, Professor
	Seminar in Chemistry of Bioactive Compounds (J/E)	KANZAKI Hiroshi, Professor
	Structural Chemistry of Natural Products (J/E)	NITODA Teruhiko, Associate Professor
	Seminar in Chemistry of Bioactive Compounds (J/E)	NITODA Teruhiko, Associate Professor
Functional Glycobiology	Chemistry of Bioactive Polymers (J/E)	KIMURA Yoshinobu, Professor
	Seminar in Functional Glycobiology (J/E)	KIMURA Yoshinobu, Professor
Applied Enzyme Chemistry	Current Topics in Applied Enzyme Chemistry (J/E)	INAGAKI Kenji, Professor
	Seminar in Applied Enzyme Chemistry (J/E)	INAGAKI Kenji, Professor
	Current Topics in Development of Useful Enzymes (J/E)	TAMURA Takashi, Professor
	Seminar in Applied Enzyme Chemistry (J/E)	TAMURA Takashi, Professor
Food Biochemistry	Current Topics of Physiological Chemistry of Foods (J/E)	NAKAMURA Yoshimasa, Professor
	Seminar in Food Biochemistry (J/E)	NAKAMURA Yoshimasa, Professor
Chemistry of Bio-signalling	Current Topics in Chemistry of Bio-signalling (J/E)	MURATA Yoshiyuki, Professor
	Seminar in Chemistry of Bio-signalling (J/E)	MURATA Yoshiyuki, Professor
Microbial Function	Application of Microbial Function (J/E)	KAMIMURA Kazuo, Professor
	Seminar in Microbial Function (J/E)	KAMIMURA Kazuo, Professor
	Biochemistry and Biotechnology in Extremophiles (J/E)	KANAO Tadayoshi, Associate Professor
	Seminar in Microbial Function (J/E)	KANAO Tadayoshi, Associate Professor

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## 2. Department of Plant Stress Science

Research Areas	Class Subjects	Instructors
Plant Genetics and Physiology	Plant Physiology and Genetics (J/E)	SAKAMOTO Wataru, Professor
	Seminar in Plant Genetics and Physiology (J/E)	SAKAMOTO Wataru, Professor
	Plant Cell Biology (J/E)	MATSUSHIMA Ryo, Associate Professor
	Seminar in Plant Genetics and Physiology (J/E)	MATSUSHIMA Ryo, Associate Professor
Signaling Mechanisms	Advanced Signaling Mechanisms (J/E)	HIRAYAMA Takashi, Professor
	Seminar in Signaling Mechanisms (J/E)	HIRAYAMA Takashi, Professor
	Plant Molecular Cell Physiology (J/E)	MORI Izumi, Associate Professor
	Seminar in Signaling Mechanisms (J/E)	MORI Izumi, Associate Professor
Plant Cytomolecular Biochemistry	Plant Cellular Biochemistry (J/E)	SUGIMOTO Manabu, Associate Professor
	Seminar in Plant Cytomolecular Biochemistry (J/E)	SUGIMOTO Manabu, Associate Professor
Plant Stress Responses	Plant Stress Physiology (J/E)	MA Jian Feng, Professor
	Seminar in Plant Stress Responses (J/E)	MA Jian Feng, Professor
	Plant Stress Molecular Biology (J/E)	YAMAJI Naoki, Associate Professor
	Seminar in Plant Stress Responses (J/E)	YAMAJI Naoki, Associate Professor
Plant Growth Regulation	Plant Growth Regulation (J/E)	☆YAMAMOTO Yoko, Professor
	Seminar in Plant Growth Regulation (J/E)	☆YAMAMOTO Yoko, Professor
Plant Molecular Physiology	Plant Physiology and Function (J/E)	KATSUHARA Maki, Associate Professor
	Seminar in Plant Molecular Physiology (J/E)	KATSUHARA Maki, Associate Professor
Molecular Virology	Advanced Molecular Virology (J/E)	SUZUKI Nobuhiro, Professor
	Seminar in Molecular Virology (J/E)	SUZUKI Nobuhiro, Professor
	Applied Plant Virology (J/E)	KONDO Hideki, Associate Professor
	Seminar in Molecular Virology (J/E)	KONDO Hideki, Associate Professor
Plant-Insect Interactions	Topics in Plant-Insect Interactions (E)	GALIS Ivan, Professor
	Seminar in Plant-Insect Interactions (E)	GALIS Ivan, Professor
Plant-Environmental Microbiology	Applied Plant-Environmental Microbiology (J/E)	TANI Akio, Associate Professor
	Seminar in Plant-Environmental Microbiology (J/E)	TANI Akio, Associate Professor
Plant Diversity Analysis	Diversity Analysis of Plant Genomes (J/E)	SATO Kazuhiro, Professor
	Seminar in Plant Diversity Analysis (J/E)	SATO Kazuhiro, Professor
Plant Functional Genomics	Functional Analyses of Plant Genetic Resources (J/E)	TAKETA Shin, Professor
	Seminar in Plant Functional Genomics (J/E)	TAKETA Shin, Professor
Molecular Biology of the Nucleus	Molecular Biology of the Nucleus (J/E)	☆MURATA Minoru, Professor
	Seminar in Molecular Biology of the Nucleus (J/E)	☆MURATA Minoru, Professor
	Analytical Molecular Cytogenetics (J/E)	NAGAKI Kiyotaka, Associate Professor
	Seminar in Molecular Biology of the Nucleus (J/E)	NAGAKI Kiyotaka, Associate Professor
Crop Genome Modification	Plant Genome Regulation (J/E)	MAEKAWA Masahiko, Professor
	Seminar in Crop Genome Modification (J/E)	MAEKAWA Masahiko, Professor
Bioenvironmental Adaptation	Molecular Biology in Environmental Adaptation (J/E)	EZAKI Bunichi, Associate Professor
	Seminar in Bioenvironmental Adaptation (J/E)	EZAKI Bunichi, Associate Professor

(J): in Japanese, (E): in English, (J/E): in Japanese and/or English

Names marked with a star (☆) are scheduled for retirement as of March 31, 2017



### 3. Department of Plant Science

Research Areas	Class Subjects	Instructors
Genetic Engineering	Molecular Signals in Plant-Microbe Interactions (J/E)	ICHINOSE Yuki, Professor
	Seminar in Genetic Engineering (J/E)	ICHINOSE Yuki, Professor
	Mechanisms in Plant Host-Parasite Specificity (J/E)	YAMAMOTO Mikihiro, Associate Professor
	Seminar in Genetic Engineering (J/E)	YAMAMOTO Mikihiro, Associate Professor
Genome Dynamics and Transposons	Plant Adaptation and Evolution (J/E)	TAHARA Makoto, Professor
	Seminar in Genome Dynamics and Transposons (J/E)	TAHARA Makoto, Professor
Plant Pathology	Mechanisms in Plant Infection (J/E)	TOYODA Kazuhiro, Professor
	Seminar in Plant Pathology (J/E)	TOYODA Kazuhiro, Professor
	Molecular Biology of Plant Immunity and Parasitism in Plant-Microbe Interactions (J/E)	NOUTOSHI Yoshiteru, Associate Professor
	Seminar in Plant Pathology (J/E)	NOUTOSHI Yoshiteru, Associate Professor
Plant Genetics and Breeding	Current Topics in Plant Genetics (J/E)	KATO Kenji, Professor
	Seminar in Plant Genetics and Breeding (J/E)	KATO Kenji, Professor
	Plant Developmental Genetics (J/E)	NISHIDA Hidetaka, Associate Professor
	Seminar in Plant Genetics and Breeding (J/E)	NISHIDA Hidetaka, Associate Professor
Postharvest Horticulture	Postharvest Physiology in Fruits, Vegetables and Flowers (J/E)	NAKANO Ryohei, Associate Professor
	Seminar in Postharvest Horticulture (J/E)	NAKANO Ryohei, Associate Professor
Postharvest Physiology	Metabolic Regulation in Agricultural Crops (J/E)	KUBO Yasutaka, Professor
	Seminar in Postharvest Physiology (J/E)	KUBO Yasutaka, Professor
	Postharvest Molecular Biology (J/E)	USHIJIMA Koichiro, Associate Professor
	Seminar in Postharvest Physiology (J/E)	USHIJIMA Koichiro, Associate Professor
Plant Production Science	Plant Production Technology (J)	SAITOH Kuniyuki, Professor
	Seminar in Plant Production Science (J)	SAITOH Kuniyuki, Professor
Pomology	Fruit Production Technology (J/E)	☆MORINAGA Kuniyuki, Professor
	Seminar in Pomology (J/E)	☆MORINAGA Kuniyuki, Professor
	Physiology in Fruit Maturation (J)	HIRANO Ken, Associate Professor
	Seminar in Pomology (J)	HIRANO Ken, Associate Professor
	Physiology in Fruit Production (J/E)	FUKUDA Fumio, Associate Professor
	Seminar in Pomology (J/E)	FUKUDA Fumio, Associate Professor
Vegetable Crop Science	Vegetable Crop Production System (J/E)	YASUBA Kenichirou, Associate Professor
	Seminar in Vegetable Crop Science (J/E)	YASUBA Kenichirou, Associate Professor
Control of Flowering	Control of Flower Induction and Development (J/E)	YOSHIDA Yuichi, Professor
	Seminar in Control of Flowering (J/E)	YOSHIDA Yuichi, Professor
	Flower Formation Physiology (J/E)	GOTO Tanjuro, Professor
	Seminar in Control of Flowering (J/E)	GOTO Tanjuro, Professor
Crop Science	Crop Morpho-Physiology (J/E)	TSUDA Makoto, Professor
	Seminar in Crop Science (J/E)	TSUDA Makoto, Professor
	Crop Productivity and Physiological Ecology (J)	HIRAI Yoshihiko, Associate Professor
	Seminar in Crop Science (J)	HIRAI Yoshihiko, Associate Professor

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Names marked with a star (☆) are scheduled for retirement as of March 31, 2017

#### 4. Department of Animal Science

Research Areas	Class Subjects	Instructors
Reproductive Physiology	Advanced Reproductive Physiology (J/E)	KIMURA Koji, Professor
	Seminar in Reproductive Physiology (J/E)	KIMURA Koji, Professor
Animal Development and Reproductive Biotechnology	Animal Reproductive Biotechnology (J/E)	FUNAHASHI Hiroaki, Professor
	Seminar in Animal Development and Reproductive Biotechnology (J/E)	FUNAHASHI Hiroaki, Professor
	Animal Development and Reproductive Biotechnology (J/E)	WAKAI Takuya, Associate Professor
	Seminar in Animal Development and Reproductive Biotechnology (J/E)	WAKAI Takuya, Associate Professor
Animal Physiology	Avian Physiology (J/E)	SAITO Noboru, Professor
	Seminar in Animal Physiology (J/E)	SAITO Noboru, Professor
	Comparative Animal Physiology (J/E)	HATABU Toshimitsu, Associate Professor
	Seminar in Animal Physiology (J/E)	HATABU Toshimitsu, Associate Professor
	Applied Cellular Physiology (J/E)	ANDO Motonori, Professor
	Seminar in Animal Physiology (J/E)	ANDO Motonori, Professor
Animal Breeding Genetics	Applied Animal Breeding (J/E)	IBI Takayuki, Associate Professor
	Seminar in Animal Breeding Genetics (J/E)	IBI Takayuki, Associate Professor
Applied Animal Genetics	Molecular Genetics of Mammals (J/E)	KUNIEDA Tetsuo, Professor
	Seminar in Applied Animal Genetics (J/E)	KUNIEDA Tetsuo, Professor
	Analysis of animal gene function (J/E)	TSUJI Takehito, Associate Professor
	Seminar in Applied Animal Genetics (J/E)	TSUJI Takehito, Associate Professor
Animal Nutrition and Feed Science	Functional Feed and Food Science (J/E)	NISHINO Naoki, Professor
	Seminar in Animal Nutrition and Feed Science (J/E)	NISHINO Naoki, Professor
	Animal Nutritional Physiology (J/E)	TSURUTA Takeshi, Associate Professor
	Seminar in Animal Nutrition and Feed Science (J/E)	TSURUTA Takeshi, Associate Professor
Animal Applied Microbiology	Animal Applied Microbiology (J)	MORITA Hidetoshi, Professor
	Seminar in Animal Applied Microbiology (J)	MORITA Hidetoshi, Professor

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