

大学院園芸学研究科
環境園芸学専攻
(博士後期課程)

**Graduate School of Horticulture
Division of Environmental Horticulture
(Doctoral Program)**

平成 29 年 10 月入学 秋期学生募集要項・進学者選考要項
平成 30 年 4 月入学 学生募集要項・進学者選考要項

Student Application Requirements

2017 / 2018

千葉大学
Chiba University

大学院園芸学研究科（博士後期課程）
平成29年10月入学及び平成30年4月入学 試験実施日程

	資格認定受付	願書受付	学力検査 口頭試問 等	合格発表
平成29年 10月入学	5月30日(火) ～31日(水)	6月20日(火) ～22日(木)	8月22日(火)	9月1日(金)
平成30年 4月入学				

Graduate School of Horticulture (Doctoral Program)
2017 and 2018 Admission Schedule

	Application for Qualification	Application for Admission	Examinations	Announcement of Exam. Result
for enrollment in October 2017	May 30 (Tue.) - 31 (Wed.)	June 20 (Tue.) - 22 (Thu.)	August 22 (Tue.)	September 1 (Fri.)
for enrollment in April 2018				

1. Division, Course, and Number of Spaces Available

Division	Course	Available spaces	
		for enrollment in October 2017	for enrollment in April 2018
Environmental Horticulture	Bioresource Science	A few	18
	Environmental Science and Landscape Architecture		
	Food and Resource Economics		

Note 1. Potential applicants include future graduates from Chiba University's Master's Program who wish to continue their education.

Note 2. Before applying to the Doctoral Program of the Graduate School of Horticulture, please contact the teacher in the education and research field that you wish to choose, and inquire about the content, etc., of the related education and research so as to confirm your choice.

2. Required Qualifications

The applicant must meet one of the following qualifications.

March 2018 deadline, marked with an asterisk, in the following (1) – (8) concerns applicants who will enter the graduate school in April 2018. For applicants proposing to enter in October 2017 the deadline is September 2017.

- (1) The applicant has a master's degree or a professional degree, or expects to obtain one by March 2018*.
- (2) In a foreign country, the applicant has been granted, or expects to be granted by March 2018*, a degree corresponding to a master's degree or a professional degree.
- (3) The applicant, by reviewing, in Japan, the subjects through correspondence conducted by a foreign school, has been granted, or expects to be granted by March 2018*, a degree corresponding to a master's degree or a professional degree.
- (4) The applicant has completed a foreign graduate school's course, conducted at an educational institution in Japan that is an accredited part of the educational system of the related foreign country and is also recognized by Japan's Minister of Education, Culture, Sports, Science and Technology, and has consequently been granted a degree corresponding to a master's degree or a professional degree or expects to receive such a degree by March 2018*.
- (5) The applicant has been granted, or expects to be granted by March 2018*, a degree corresponding to a master's degree, through course completion at the United Nations University as prescribed in Article 1-(2) of the Act on special Measures Incidental to Enforcement of the Agreement between the United Nations and Japan regarding the Headquarters of the United Nations University (Act No. 72 of 1976), which was established under the December 11, 1972 resolution of the General Assembly of the United Nations.
- (6) The applicant has completed a course study at a school outside of Japan, in an educational institution as designated above in (4) of the required qualifications, or in the United Nations University, has passed the examination and screening equivalent to those prescribed in Article 16-2 of the Standards for Establishment of Graduate Schools, and has been recognized as having academic abilities at least equivalent to that of a Master's degree holder, or is expected to be recognized by March 2018* and has been recognized by this school as having academic abilities at least equivalent to that of a Master's degree holder.
- (7) The applicant meets either of the following qualifications designated in Ministry of Education Bulletin No. 118 of 1989.
 - ① After graduating from a university, the applicant engaged in at least two years of research at a university, research center, etc. and, based on the resulting research achievements, etc., has been recognized, by the graduate school of science in question, as having scholarly attainments that are at least the equivalent of those of individuals who have a master's degree or a professional degree.
 - ② After completing a 16-year course of study in the educational institutions of a foreign country, or after reviewing, in Japan, the subjects through correspondence conducted by a foreign school and thereby completing a 16-year course of study in the educational institutions of the related foreign country, the applicant engaged in at least two years of research at a university, research center, etc., and,

based on the resulting research achievements, etc., has been recognized, by the graduate school of science in question, as having scholarly attainments that are at least the equivalent of those of individuals who have a master's degree or a professional degree.

- (8) Based on an examination, conducted by the Graduate School of Horticulture, of the applicant's qualifications to enter this school, the applicant has been judged to have scholastic attainments that are at least the equivalent of those of individuals with a master's degree or a professional degree, and is also 24 years of age or will turn 24 by March 2018*.

(Note) Regarding Qualifications (5) – (8) please see “Procedure for Verifying Qualification of Applicants” on page 17.

3. Submittal of Application

Period: June 20 (Tue.) – June 22 (Thu.), 2017

If mailing in your application, please use **simplified registered mail**. Mailed applications must arrive by **4:00 PM on Thursday, June 22, 2017**.

However, if you are going to ask to be recognized as qualified to apply based on Qualification (5) - (8), please see “Procedure for Verifying Qualification of Applicants” on page 17.

Hours: **9:00 – 11:30 AM, 1:30 – 4:30 PM**

Place: **Chiba University Faculty of Horticulture**

If the submitted documents are incomplete, the application may not be accepted. If applying from outside Japan, please notify the Faculty of Horticulture's Academic Affairs Group in advance that you are going to submit an application.

4. Documents to Be Submitted

Individuals wishing to apply should gather together the following documents and then submit them by the specified time. (Foreign applicants may prepare documents in English.)

(1) Application Documents

Document	Remarks
① Application for Admission (Continuation), Photo Card, Admission Ticket for Examinations	Forms prescribed by this school.
② Transcript of Grades for the Master's Program	A sealed transcript issued by the president or academic dean of the university from whose graduate program the applicant graduated or expects to graduate.
③ Certificate of Master's Degree (or Certificate of Expected Master's Degree)	A certificate prepared by the president or academic dean of the university from whose graduate program the applicant graduated or expects to graduate. Applicants who submit a Certificate of Expected Master's Degree must submit a Certificate of Master's Degree following completion of the master's program.
④ Master's Thesis, etc. <u>(Applicants continuing from Chiba University's Master's Program should submit the documents mentioned in "B.")</u>	A. Applicants with a master's degree should provide a copy of their master's thesis and an abstract of it, in 1,300 words or less, written on the form prescribed by this school. B. Other applicants should provide a research progress report (1,300 words or less, written on the form prescribed by this school). If they have any research publications or other such documents to their credit, they should also attach a record of research achievements (prepared using the form prescribed by this school).
⑤ Research Proposal	Please enter this on the form prescribed by this school.

Document	Remarks
<p>⑥ Examination Fee: 30,000 yen</p> <p>(Note) Applicants continuing from Chiba University's Master's Program and Japanese Government-sponsored foreign exchange students need not pay an Examination Fee.</p>	<p>● Applicants Residing in Japan</p> <p>Before applying, go to your nearest bank, etc. (but not a Japan Post Bank) and, using the wire-transfer form attached to this pamphlet, remit the Examination Fee via a teller (an automatic teller machine (ATM) may not be used). The Examination Fee must thus be paid by wire transfer. Wire transfer charges shall be borne by the applicant.</p> <p>Affix the wire transfer certificate that you will receive to the back of the Application for Admission. A certificate that does not have the stamp of the financial institution that handled the transaction will be invalid. Therefore, when you receive the certificate, make sure that it has the stamp.</p> <p>The Examination Fee must be paid by wire transfer even if you submit the application documents in person.</p> <p>● Applicants Residing Overseas</p> <p>The wire-transfer form attached to this pamphlet cannot be used outside of Japan. If you do not have an acquaintance, etc., in Japan to handle the payment for you, please pay by credit card, according to the following procedures.</p> <p>① On the homepage of Chiba University's Japanese-language website (http://www.chiba-u.jp), please go to “入試案内 (Admission)”, click “海外からの検定料支払い (Payment of Examination Fee from Overseas)”, and then follow the procedure to pay the Examination Fee. (https://www.kentei.chiba-u.jp)</p> <p>② After you complete the payment procedure, Chiba University will send you an email confirming the details of your application. Please check that its contents are correct and then print it out and enclose it with your application documents.</p> <p>Note 1. On the back of the Application for Admission, check the “Credit Card Payment” box of the “Space for Attaching Wire Transfer Certificate.”</p> <p>Note 2. Chiba University will begin accepting credit card payments for the Examination Fees on June 1, 2017 (Thursday). Please conduct the payment procedure before submitting the application documents.</p> <p>Note 3. Regarding the kinds of credit cards that may be used to make the payment, please be sure to check this on Chiba University's website when carrying out the Examination Fee payment procedure.</p> <p>The only way that the Examination Fee can be paid from overseas is by credit card. The Examination Fee cannot be paid by wire transfer from a foreign bank. If you are unable to pay by credit card, please contact the Faculty of Horticulture's Academic Affairs Group.</p>
<p>⑦ 3 Photographs</p>	<p>To the “Photograph” section of the Application for Admission, the Photo Card, and the Admission Ticket for Examinations, affix a frontal, upper-half photograph of yourself, without a hat, taken in the 3 months prior to the day of application. (Photo size: 4 cm long x 3 cm wide)</p>
<p>⑧ 3 Return Envelopes</p> <ul style="list-style-type: none"> • “Contains Admission Ticket for Examinations, etc.”(①) • “Contains Notification of Acceptance” (②) • “Contains Enrollment Procedure Documents” (③) 	<p>Please submit the three return envelopes(①, ②, ③) attached to this pamphlet. On each, write your name, address, and zip code. To the envelope marked “Contains Admission Ticket for Examinations, etc.” (①), affix 372 yen in postage. Postage need not be affixed to the other two envelopes(②, ③).</p>

Document	Remarks
⑨ Miscellaneous	For applicants who wish to remain employed while participating in the Doctoral Program, it is desirable that they submit a Permission to Take Examinations (a form prescribed by this school) from the head of their unit at work.
In addition to the documents mentioned above, foreign applicants are required to submit the following documents.	
① Curriculum Vitae	Forms prescribed by this school.
② A Copy of the Certificate of Residence	This is a document issued by the city, ward, town or village in which the applicant resides. It contains the applicant's residence qualifications and period of residence. If you haven't registered, please submit a copy of your passport (the part that shows your name, age, sex and residence qualifications, and the part with your Japanese visa).

(2) Necessary Documents on the Day of Examinations

Document	Remarks
<p>Original and a Copy of either Certificate below</p> <ul style="list-style-type: none"> • TOEIC L&R Official Score Certificate • TOEFL Examinee's Score Record • IELTS Score Sheet <p>(Note) Japanese Government-sponsored foreign exchange students who have graduated from a foreign university may be exempt.</p>	<p>The original certificate is checked and a copy needs to be submitted during the oral interview.</p> <p>The score of TOEIC L&R-IP or TOEFL-ITP held in Chiba University is acceptable for the graduates of Chiba University only. TOEIC L&R, TOEFL or IELTS test must be taken in August 2015 or later.</p> <p>"TOEIC" tests taken before August 5, 2016, are equivalent to "TOEIC L&R" test, and the same applies for "TOEIC-IP" to "TOEIC L&R-IP". ※TOEIC S&W test scores are not acceptable.</p>

5. Selection Process, Examinations, and Examination Date, Time and Place

○ General Applicants and Applicants Continuing from Chiba University's Master's Program

(1) Selection Process

Applicants will be selected based on a combination of an examination, and their transcripts.

Based on an inspection of the documents that they submit, government-sponsored foreign exchange students who have completed a master's program at a foreign university may be exempted from taking the English language examination.

(2) Examinations

① English language: (TOEIC L&R /TOEFL/IELTS score)

② Oral interview: The oral interview will deal with the applicant's master's thesis, research proposal, etc.

Presentation about master's thesis, research proposal, etc. ※	10 minutes
Questions and answers	20 minutes
Total	30 minutes

※Presentation can be made by Power Point, board, or others.

You can use the PC and the projector prepared at the interview room if you are going to use Power Point. The OS of the PC is Windows8, and the software is Microsoft Office 2013 (Word/ Excel/ Power Point), so please check the compatibility before the examination. (You can use your own PC for the presentation.)

(3) Admission criteria

If score is too low in any subjects, the applicant may fail no matter what the total score is.

(4) Examination Date and Time

Date	Examination Subject	Time
August 22 (Tue.), 2017	Oral Interview and TOEIC L&R /TOEFL/IELTS score sheet check*	10:00 AM –

* The original TOEIC L&R Official Score Certificate, TOEFL Examinee's Score Record or IELTS official Test Report Form is checked and a copy of it needs to be submitted during the oral interview. Be sure to bring the original on the day of examinations.

Not necessary for Japanese Government-sponsored foreign exchange students who have graduated from a foreign university.

(5) Place of Examinations

Chiba University Faculty of Horticulture

6. Matters to Heed

- (1) Necessary information about the Examinations will be posted at 10:00 AM on Monday, August 21, 2017, on the notice board of the Faculty of Horticulture. (Individuals who, because they live at a distance from campus or for some other reason, are unable to come to campus on August 20 should come early on the following day (examination day) and check the information.)
- (2) Please be sure to have your Admission Ticket for Examinations with you during examination hours.
- (3) Changing the contents of submitted documents following the completion of application procedures will not be allowed.
- (4) Application documents will not be returned.
- (5) Once it is paid, the Examination Fee will not be refunded under any circumstances. It will be, however, refunded to the applicants who paid it by mistake, and besides, didn't apply for the admission, in full if they finish the prescribed procedures for the refund by Friday, March 30, 2018. For details, please contact the Faculty of Horticulture's Academic Affairs Group.
- (6) In addition to being used for selecting applicants, personal information collected in the applicant selection process may be used for such purposes as managerial and administrative activities, academic guidance activities, and activities related to research and study of applicant selection methods.
- (7) Offers of admission may be withdrawn if the application documents are found to be false or contain false information.

7. Announcement of Examination Results

Time: 1:00 PM, Friday, September 1, 2017 (tentative)

Place: Notice board of Faculty of Horticulture

Note: Following the announcement of the examination results, applicants who passed the examination will be sent a notification to that effect by express simplified registered mail. Please understand that telephone and E-mail inquiries cannot be answered, even if they are from the applicant.

8. Procedures for entering the course

(1) Enrollment procedures

Enrollment in October 2017 : September 8 (Fri.), 2017

(The enrollment procedure documents will be sent together with the notification of acceptance.)

Enrollment in April 2018 : March 26 (Mon.) – March 27 (Tue.), 2018

(The enrollment procedure documents will be sent in the latter part of February 2018.)

(2) Fees Required at Enrollment Time and Other Matters

① Enrollment Fee: 282,000 yen (**Not necessary for students continuing from Chiba University's Master's Program**)

② Tuition

[Enrollment in October]

Please pay the tuition for fall semester in November and for spring semester in April by direct debit. The details will be announced at enrollment procedure. The tuition is 260,400 yen (Total tuition for an year: 520,800 yen). Direct debit of the tuition for fall semester will be in October from the second year of enrollment.

[Enrollment in April]

Please pay the tuition for spring semester in May and for fall semester in October by direct debit. The details will be announced at enrollment procedure. The tuition is 260,400 yen (Total tuition for an year: 520,800 yen). Direct debit of the tuition for spring semester will be in April from the second year of enrollment.

(Should the tuition, etc., be revised, the new tuition, etc., will go into effect as of the time of the revision.)

(Note) There is a system by which the Enrollment Fee and Tuition may be waived. For details, please visit the website of the Chiba University

(<http://www.chiba-u.ac.jp/international/isd/english/guide/tuition.html>).

Contact: Student Department's Student Assistance Section

Phone: (043)290-2178

③ Fee for Student Health Mutual Aid Society: 6,000 yen (covering 3 years). This is required of all students and is payable at any post office or Japan Post Bank.

(The purposes of this society are to have students aid one another at times of illness and injury, and to actively contribute to the maintenance of student health.)

④ Premium for Personal Accident Insurance for Students Pursuing Education and Research: 3,620 yen (covering 3 years). This is required of all students and is payable at any post office or Japan Post Bank.

(Compensation is provided for the injuries resulting from accidents and for the damages which students cause to third parties or third parties' property in case the accidents occur during courses, school events, extracurricular activities, or travel to and from school. Should the insurance premiums be revised, the new insurance premiums, will go into effect as of the time of the revision.)

9. Night Lecture Program

Students in the Graduate School of Horticulture's Doctoral Program may, if it is deemed particularly necessary for their education, take lectures and conduct research at night or at other appropriate times.

Applicants wishing such an arrangement should consult in advance with their academic advisor and then expressly state those wishes in their application for admission.

10. Early Completion

As a rule, the requirements for completing the Doctoral Program are that the student be enrolled for at least three years, obtain the prescribed number of units, receive the required research guidance, and then pass both a doctoral dissertation review and a final examination. However, students who earn exceptional grades while enrolled may complete the program in one year. However, students who completed the Master's Program early will require two years to complete the Doctoral Program.

11. System for Long-Term Completion

For individuals who, because they are employed, etc., will be restricted in the number of units that they can obtain, and in the time that they can devote to receiving research guidance, over the course of a year or semester, and who therefore believe that they cannot complete this Program unless they remain in it for longer than the standard number of years required to complete it (three years), there is a system whereby they can obtain a degree if they apply for an extension, are judged by the university to merit it, and then methodically complete the Program over a period of up to six years.

The tuition of individuals thus recognized as long-term students shall be handled as follows: the total amount of tuition for the three years (six semesters) usually required to complete the Program will be divided by the number of semesters that the student will remain in the Program and then paid in installments.

12. Double Degree Program

The Graduate School of Horticulture launched a Double Degree Program for students enrolling in AY2009 onwards with Mahidol University Faculty of Science (Thailand), Shanghai Jiao Tong University School of Agriculture and Biology (China) for the Doctoral Program.

This program, based on the agreement of partner universities overseas, enables students to earn degrees from both Chiba University and the partner university.

13. About the Providing of Personal Information Related to the Examinations

Personal information related to the examinations shall be provided to the applicant on request during the period of May 1 (Tue.) – July 31 (Tue.), 2018. However, the Admission Ticket for Examinations shall be necessary to obtain it. Therefore, please keep the ticket in a safe place.

14. Contact Information for Submitting Documents and Making Inquiries

Chiba University, Faculty of Horticulture, Academic Affairs Group

648 Matsudo, Matsudo City, Chiba Prefecture 271-8510

Phone: (047) 308-8712, -8714

E-mail: engei-daigakuin@office.chiba-u.jp

Graduate School of Horticulture website: <http://www.h.chiba-u.jp/>

Procedure for Verifying Qualification of Applicants

Whether applicants applying based on Qualification (5) – (8) on page 3, 5 are qualified to take the entrance examinations will be judged based on the documents listed below.

(1) Documents to Be Submitted

Document	Remarks
① Request for Recognition of Qualification to Take Entrance Examinations	Forms prescribed by this school.
② Record of Research Achievements	Forms prescribed by this school.
③ Transcript of Grades	Prepared by the president of the school from which the applicant lastly graduated .
④ Certificate of Graduation	Prepared by the president of the school from which the applicant graduated last.
⑤ Letter of Recommendation	If the applicant is employed, a letter from an individual who is in a supervisory position at the workplace and knows the applicant well may be used. Otherwise, a letter of self-recommendation is acceptable. The form to be used is optional.
⑥ Additional Document	This should be a document that can be used for purposes of assessing the applicant, such as a scientific paper or something comparable.

- Before applying, the applicant should confirm these requirements with the Faculty of Horticulture's Academic Affairs Group.
- Should the Graduate School of Horticulture deem it necessary, it may ask the applicant to submit other documents, such as a certificate of research progress.

(2) Submittal Period

May 30 (Tue.) – May 31 (Wed.), 2017

Submittal hours: 9:00 – 11:30 AM, 1:30 – 4:30 PM

If mailing in your documents, please use simplified registered mail. Mailed documents must arrive by 4:00 PM on Wednesday, May 31, 2017.

(3) Applicants will be notified by mail of the decision whether to recognize their qualification.

(4) Selection of Applicants

Everything in the selection process – the examination subjects, the examination date (Tuesday, August 22, 2017), etc. – will be the same as for ordinary applicants.

(5) Contact Information for Submitting Documents and Making Inquiries

Chiba University, Faculty of Horticulture, Academic Affairs Group

648 Matsudo, Matsudo City, Chiba Prefecture 271-8510

Phone: (047) 308-8712, -8714

E-mail: engei-daigakuin@office.chiba-u.jp

Students welcome at Chiba University Graduate School of Horticulture

Chiba University Graduate School of Horticulture engages in education and research on issues concerning “Horticulture, Food and Landscape” from a broad international perspective. Our master’s programs welcome individuals capable of deepening their knowledge in specialized fields and acquiring the abilities needed by highly specialized professionals and researchers. Our doctoral programs welcome individuals capable of accumulating further in-depth knowledge of specialized fields, nurturing holistic interdisciplinary perspectives, and acquiring the abilities needed by independent researchers and/or managers of research and government organizations.

Course	Program	Admissions Policy
Bioresource Science	Horticultural Plant Production and Breeding	Students are sought who have a strong interest in cutting-edge knowledge and technology related to the cultivation of horticultural plants, medicinal herbs, functional plants, etc., and in the breed improvement and genetic engineering of such plants; and who have a strong desire to obtain practical skills and knowledge in this field and to be active in domestic and foreign industry.
	Environmental Science for Bioproduction	Students are sought who have a strong interest in environmental fields related to the production of resource plants, and who can enthusiastically grapple with acquiring and developing advanced, specialized knowledge, theories and skills.
	Applied Biological Chemistry	Students are sought who have a desire to contribute to the sustainable development of humanity; and who have a passion to investigate the mechanisms and various functions of plants, animals, and microbes at the molecular, cellular and individual levels, and to use the knowledge and theories to solve many problems in the society.
Environmental Science and Landscape Architecture	Landscape Architecture	Students are sought who are interested in learning theory and skills for safely and beautifully forming and managing living environments where people coexist harmoniously with nature; and who have a desire to grapple with the social issues of obtaining and revitalizing appropriate landscaping space and of planning, designing and managing sustainable environments.
	Landscape Science	Students are sought who have an interest in a natural-sciences type of approach to landscaping, and who aspire to be professional technicians and researchers who employ such an approach.
	Environment and Human Health Sciences	Students are sought who are interested not only in applying knowledge and skills related to horticulture and landscaping to health and welfare issues that concern everybody, such as improving the quality of life (QOL), mitigating stress, and creating a better relationship between people and their environment, but also in grappling with such issues from medical, pharmaceutical, welfare, educational, and other perspectives; and who desire to deepen their knowledge in these areas and return the fruits of their efforts to society.
Food and Resource Economics	Food and Resource Economics	Students are sought who want to study, and to understand the principles behind, the socioeconomic roles and significance of food system, rural resources and the environment, in today’s internationalized society; and who are able to think about the way society should be and the role of people and then take vigorous action in which they apply their specialized knowledge.

The Doctoral Program of the Graduate School of Horticulture, and Research Advisors

The research advisors and research themes in the Doctoral Program of the Graduate School of Horticulture are as shown below. For more detailed information about the content of research, etc., please visit the website of the Graduate School of Horticulture, Faculty of Horticulture (<http://www.h.chiba-u.jp/>). Research supervision is provided by multiple teachers: a main academic advisor and secondary academic advisors.

Bioresource Science Course

Horticultural Plant Production and Breeding Program

Field of Horticultural Plant Production

Name	Research Theme (Keyword)	Remarks
Prof. Kazumitsu Miyoshi	Research on the reproductive and seed biology as well as genetic improvement of cut and pot flower is conducted. Virus-free plant production is achieved by integration of plant virology and plant propagation for horticultural purposes as well as <i>ex situ</i> conservation. Keywords: Ornamental plants, Reproductive & seed biology, Genetic improvement of ornamental plant, <i>ex situ</i> conservation, Virus- free plant production, Dahlia, Orchids, Lily	
Prof. Satoru Kondo	The focus of our research is roles of physiological active substances in fruit growth (anthocyanin biosynthesis, aroma volatile production, and fruit ripening). In addition, we research the effects of environmental stress (low temperature and water stress) on antioxidant activity and physiological active substances in fruit trees or fruit. Keywords: Fruit tree and fruit growth regulation, Fruit physiology, Physiological active substances, Antioxidant, Radical scavenging activity, Environmental stress tolerance	
Prof. Akihiro Isoda	Improvement of yields for food, forage and industrial crops in terms of eco-physiological aspects. Recent main themes are improvement of crop yields on a large scale in arid areas, physiological mechanisms of adaptation for drought and improvement of yields in leguminous crops, especially soybean and peanut. Keywords: Crop science, Agriculture in arid areas, Yield improvement, Dry matter production, Crop physiology, photosynthesis, Organic agriculture, Remote sensing methods	
Prof. Toru Maruo	Research about modernized culture Systems widely from seed technology to harvest with seeking high yield, low cost, high quality, high efficiency and environment friendly techniques. Keywords: Vegetables, Protected cultivation, Soilless culture, Plant factory, Transplant production, Seed technology, Automatic cultivation system, Labor saving techniques, Environment friendly system, High yield production system, Products quality improvement	
Prof. Hitoshi Ohara	Research objective is to establish the high value-added fruit production technologies. Interests and current research areas include the control of fruit set, growth, development, and maturity by plant hormones, and the roles and mode of action of plant hormones. Keywords: Pomology, High quality and functional fruit, Plant hormone, Seedlessness, Sugar metabolism and accumulation, Antioxidant property	Center for Environment, Health and Field Sciences
Assoc. Prof. Masafumi Johkan	Protected cultivation, Soilless culture, Seed and seedlings, Vegetative propagation, Light quality, Secondary metabolite, Redox, Environmental stress, High yield, Products quality, Export of fruit vegetable	
Assoc. Prof. Hitoshi Watanabe	Flower and ornamental plants, <i>Petunia</i> , <i>Calibrachoa</i> , <i>Caryopteris</i> , Cross compatibility, Seed germination, Plug production, Roof planting, Vegetation covering on wall surface	Center for Environment, Health and Field Sciences

Field of Breeding

Name	Research Theme (Keyword)	Remarks
Prof. Ikuo Nakamura	Genetic engineering and phylogenetic analysis of crop and ornamental plants	
Prof. Hidenori Sassa	Plant breeding, Molecular genetics, GMO, Functional analysis of genes, Pollen-pistil interactions, Self-incompatibility	
Guest Prof. Takao Komatsuda	Plant molecular genetics and breeding	

Environmental Science for Bioproduction Program**Field of Physical Environment**

Name	Research Theme (Keyword)	Remarks
Prof. Eiji Goto	Environmental engineering, Horticultural engineering, Plant factory, Plant growth control, Plant ecophysiology, Molecular farming	
Prof. Nobuhiro Matsuoka	Teaching and research focus on atmospheric interaction with the biosphere through field observation. Based on these findings, we improve the unfavorable environment for crops and natural vegetation. Keywords: Agricultural meteorology, Natural disaster science, Arid land, Energy budget, Carbon and nutrient cycles, Phenology, Meteorological information	
Prof. Takeo Shiina	Quality control/assurance of fresh fruits and vegetables, Environmental impact assessment, Data base system for promoting nutritionally balanced and rich in functional components for daily diet Keywords: Postharvest technology, Life cycle assessment, Food functionality, Information technology for food	
Assoc. Prof. Yukiharu Ogawa	Postharvest technology, Food engineering, Biomass conversion, Microscopy, Physical property, Chemical Analysis, Food digestion	

Field of Biological Environment

Name	Research Theme (Keyword)	Remarks
Prof. Masahiro Shishido	To improve efficiency of plant disease control, my research focuses on factors and mechanisms involved in plant host-pathosystem. Keywords: Ecology of plant pathogens, Biological control, Plant protection, Soilborne diseases, Adaptive control	
Assoc. Prof. Masashi Nomura	Studies on insect pest control using natural enemies. Studies on molecular phylogenetics and intraspecific variation analysis. Studies on biodiversity of insects. Keywords: Integrated pest management (IPM), Natural enemy, Lifecycle of insects, Allozyme variation, DNA sequence analysis, Intraspecific variation	
Assoc. Prof. Toshiyuki Usami	Genetic studies on pathogenicity of plant pathogenic fungi. Characterization of plant pathogenic fungi. Keywords: Plant pathology, Plant pathogenic fungus, Plant protection	
Guest Prof. Kimiko Okabe	Evolution of symbiotic relationships based on modification of life histories and behavior, Conservation and management of biodiversity focusing land-use changes at different scales Key words: Parasitology, Species interactions, Pest control, Biodiversity, Conservation of biodiversity	

Field of Chemical Environment

Name	Research Theme (Keyword)	Remarks
Prof. Kazuyuki Inubushi	Studies on the soil fertility in relation to cycling of bioelements and interactions between global environment and soil. Keywords: Soil Environment, Recycling, Soil pollution, Improvement of problem soils	
Prof. ©Kiyoshi Nakamuta	Studies on the chemicals and their functions mediating intra- and interspecific communications among living beings, and the application of such chemicals to pest management. Keywords: Chemical ecology, Semiochemicals, Pheromones, Allelochemicals	Retires on March 31, 2019
Prof. Kazunori Sakamoto	My research focuses on the symbiosis between plant and microorganisms, and its practical use in the fields of agriculture and environmental conservation. Keywords: Plant nutrition, Rhizosphere microbiology, Symbiosis between plant root and microorganism, Arbuscular mycorrhizal fungi, Rhizobia, Environmental stress tolerance of crop, Soil contamination and restoration	
Assoc. Prof. Masahide Yamato	Studies on ecological aspects of mycorrhizal symbioses to use the mycorrhizal fungi in agriculture, forestry, plant conservations, etc. Keywords: Fungal ecology, Community analysis of fungi, Mycorrhizal symbiosis, Arbuscular mycorrhiza, Orchid mycorrhiza, Mycoheterotrophic plants	Academic guidance will be provided in Nishi- Chiba Campus.
Guest Prof. Seiichi Nohara	Environmental analytical chemistry, acid deposition, wetland conservation, evaluation and management, soil-water-air pollution	

Applied Biological Chemistry Program

Field of Biomolecular Chemistry

Name	Research Theme (Keyword)	Remarks
Prof. Yoshihiro Nishida	Bioorganic chemistry, Carbohydrate chemistry, Sugar-based functional chemistry, Organic reaction chemistry, Structural biological chemistry, Biosensor system, Drug delivery system	
Prof. Hiroaki Kodama	Post-transcriptional gene silencing, RNA interference, compost produced by thermophilic bacteria, gut bacteria	Academic guidance will be provided in Nishi- Chiba Campus.
Prof. Masami Watanabe	Plant physiology, Plant metabolism, Programmed cell death, Reprograming, Carbon and Nitrogen metabolism, Cell culture, Metabolome	Academic guidance will be provided in Nishi- Chiba Campus.
Assoc. Prof. Hirofumi Dohi	Biofunctional molecules, Glycoscience, Oligosaccharide synthesis, Structural analysis in organic chemistry, Bioorganic chemistry, Carbohydrate related enzymes	Academic guidance will be provided in Nishi- Chiba Campus.
Guest Prof. Hirokuni Miyamoto	Biochemistry, Animal Physiology, Gut microbiology, Fermentation engineering, Sustainable Agriculture, Thermophile	Academic guidance will be provided in Nishi-Chiba Campus

Field of Bioresource Chemistry

Name	Research Theme (Keyword)	Remarks
Prof. Yukari Egashira	Food chemistry, Food function, Nutritional biochemistry, Molecular nutrition, Tryptophan metabolism, Lipid metabolism, Physiological function of dietary fiber, Anti-inflammatory food, Cell culture, Animal, DNA microarray	
Prof. Seigo Amachi	Environmental microbiology, Microbial ecology, Food microbiology, Heavy metal and radionuclide pollutions, Bioremediation, Lactic acid bacteria, Acid tolerance and H ⁺ -ATPase	
Assoc. Prof. Hiro Takahashi	Bioinformatics, Data-mining, Machine-learning, Genomics, Transcriptomics, Personalized medicine	Academic guidance will be provided in Nishi- Chiba Campus.
Assoc. Prof. Mitsumasa Hanaoka	Plant molecular biology, Chloroplast, Photosynthesis, Plastid differentiation, Regulation of gene expression, Environmental responses, Circadian clock, Transcription factors, Intracellular signal transduction	Academic guidance will be provided in Nishi- Chiba Campus.
Assoc. Prof. Shizuka Hirai	Food function, Food nutrition, Molecular nutrition, Nutritional biochemistry, Cell culture, Animal experiment, Glucose and lipid metabolism, Bone metabolism, Metabolic syndrome, Osteoporosis, Epigenetics	

Environmental Science and Landscape Architecture Course

Landscape Architecture Program

Field of Landscape Planning

Name	Research Theme (Keyword)	Remarks
Prof. ○ Isami Kinoshita	City planning, Rural planning, Spatial planning, Participation, Community design, City planning, Sustainability, Life//Play Space/Time, Open space, Environmental education, Workshop, NPO, Partnership, Area management	Retires on March 31, 2020
Prof. Katsunori Furuya	Relationship between human beings and nature in regions, Conservation and sustainable use of biodiversity, Environmental education, Ecotourism, History, Principle, National Park, Nature protection/restoration	
Assoc. Prof. Yukihiko Saito	City planning, Rural planning, Regional planning, Urban open space, Living space, Settlement planning, Tourism landscape, Recreation, Land use and land management, Regional revitalization	

Field of Landscape Design

Name	Research Theme (Keyword)	Remarks
Prof. Konomi Ikebe	National and regional planning policy, Urban design, Cultural Landscape, Landscape policy, historical planning, Culture and natural features, Social Responsibility	
Prof. Toru Mitani	Landscape and garden design in practice, Theories of the modern landscape architecture and architecture	
Prof. Junhua Zhang	Science of green space environment, Landscape design, Culture of green space environment, Technique of expression about green space	
Assoc. Prof. Takeshi Kinoshita	Public park design and regeneration, Landscape facility design, Overseas green space policies, Landscape heritage, East Asia	

Field of Landscape Management

Name	Research Theme (Keyword)	Remarks
Assoc. Prof. Shigeto Yanai	Landscape planning and management, Open space assessment, Open space conservation, Urban landscape planting	
Assoc. Prof. Noriko Akita	Landscape planning and management, Land use management, Environmental governance, Plan and project assessment, Regeneration and resilience	

Landscape Science Program

Field of Landscape System Science

Name	Research Theme (Keyword)	Remarks
Prof. Changyuan Tang	Ecohydrology, Water cycle, Geochemistry, Environmental isotopes, Behaviors of chemicals in basin, SPAC, Natural remediation in wetlands, Migration of contaminants in soil and groundwater	
Prof. Tsuyoshi Honjo	Environmental informatics, Urban thermal environment, Microclimate, Computer graphics, Plant modeling, Environmental biological engineering	
Assoc. Prof. Kiyoshi Umeki	My research aims to predict forest dynamics and functions of trees through 1) data collection in fields, 2) model development with statistical analyses, and 3) computer simulations. Keywords: Forest ecology, Tree ecology, Fieldwork, Functional-structural plant model, Computer simulation	

Field of Landscape Resource Science

Name	Research Theme (Keyword)	Remarks
Prof. Tatsuaki Kobayashi	Ecological restoration, Satoyama, Wetland restoration and management, Revegetation, Desertification	
Prof. Arata Momohara	Vegetation history, Environmental archaeology, Quaternary sciences, Climatic change, Plant evolution, Wetland, Conservation ecology	
Prof. Koichi Uehara	Conservation genetics, Evolutionary biology, Molecular phylogeny, Phylogenetic botany, Biodiversity, Plant morphology, Molecular ecology, Evolutionary developmental biology, Morphogenesis, Land plants	
Assoc. Prof. Terumasa Takahashi	Green space ecosystem, Planting ground, Soil organism, Soil improvement, Nutrition dynamics, Development and management of green space, Recycle system in revegetation	

Environment and Human Health Sciences Program

Name	Research Theme (Keyword)	Remarks
Prof. ©Yoshifumi Miyazaki	Nature therapy, Forest medicine, Flower, Park, Forest, Physiological relaxation, Preventive medicine, Brain activity, Autonomic nervous activity, Stress hormone, Individual difference	Retires on March 31, 2019 Center for Environment, Health and Field Sciences (Academic guidance will be provided mainly at Kashiwanoha Campus.)
Assoc. Prof. Yutaka Iwasaki	Well-being in green space, Horticulture therapy, Forest therapy, Aromatherapy, Greening in Hospital, Physiological and Psychological effect of green space	

Food and Resource Economics Course

Food and Resource Economics Program

Field of Food System

Name	Research Theme (Keyword)	Remarks
Prof. Seiichi Sakurai	Marketing of agricultural products, Food system, Marketing management, Relationship, Rural diversification, Social capital	

Field of Resource and Environmental Economics

Name	Research Theme (Keyword)	Remarks
Prof. ○ Yasuo Ohe	Rural Economics, Multifunctionality of agriculture, Rural tourism, Farm and rural diversification, Agricultural resource management, Rural development in Italy, Tourism Economics	Retires on March 31, 2020
Prof. Michiko Takagaki	Tropical agriculture, Southeast Asia, Indigenous vegetables, Water convolvulus, Cropping system, Food mirage, Life cycle assessment	
Prof. Hiroaki Kobayashi	Agricultural policy impact, Agricultural trade, Food and agricultural policy in Thailand, Economic analysis of biomass energy, econometric analysis	
Prof. Shinichi Kurihara	Policy evaluation, Rural planning, Food safety, Local government finance, Statistics	
Assoc. Prof. Atsushi Maruyama	Preference analysis, Non-market goods, Environmental evaluation, Food-borne risk, Uncertainty, Cost-benefit analysis, Farmers' behavior, Technology adoption, Technical efficiency, Statistical causality, Applied econometrics	

The ○ mark indicates a teacher who will retire on March 31, 2020.

The ◎ mark indicates a teacher who will retire on March 31, 2019.

Overview of Chiba University

On May 31, 1949, Chiba University was founded as a national university under the new national school system by unifying various schools of the old national school system, including what were then the Chiba Medical School and its affiliated Medical Department and Pharmaceutical Department, Chiba Normal School, Chiba Youth Normal School, Tokyo Industrial College, and Chiba Agricultural College. Moreover, the National University Corporation Chiba University was established on April 1, 2004, whereupon Chiba University came to be administered by that corporation.

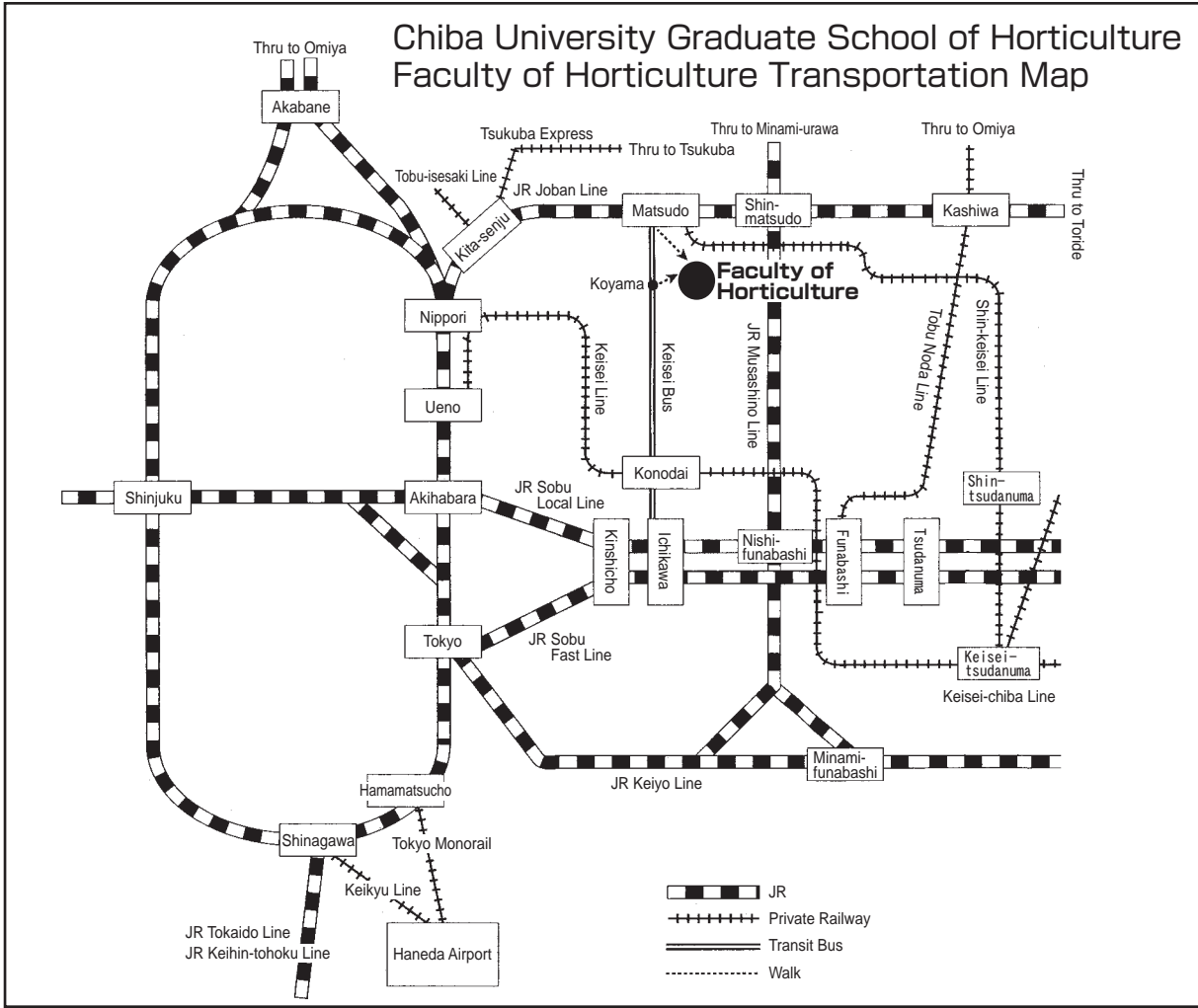
When Chiba University began as a national university under the new system in 1949, it was composed of five faculties (Faculty of Arts and Sciences, School of Medicine, Faculty of Pharmaceutical Sciences, Faculty of Engineering, Faculty of Horticulture), one research center (Research Center on Decay) and faculty libraries. The faculties were then expanded and reorganized several times; as a result, the university is now composed of ten faculties –College of Liberal Arts and Sciences, Faculty of Letters, Faculty of Law, Politics and Economics, Faculty of Education, Faculty of Science, Faculty of Engineering, Faculty of Horticulture, School of Medicine, Faculty of Pharmaceutical Sciences, School of Nursing– as well as faculty libraries, a hospital affiliated with the School of Medicine (Chiba University Hospital), and various departments, research centers, and more.

In addition, the graduate division, which is founded on the education and research conducted by the faculties, is currently composed of Graduate School of Humanities and Studies on Public Affairs, Law School, Graduate School of Education, Graduate School of Science and Engineering, Graduate School of Horticulture, Graduate School of Medical and Pharmaceutical Sciences, Graduate School of Nursing, Graduate School of Medicine, and Graduate School of Pharmaceutical Sciences.

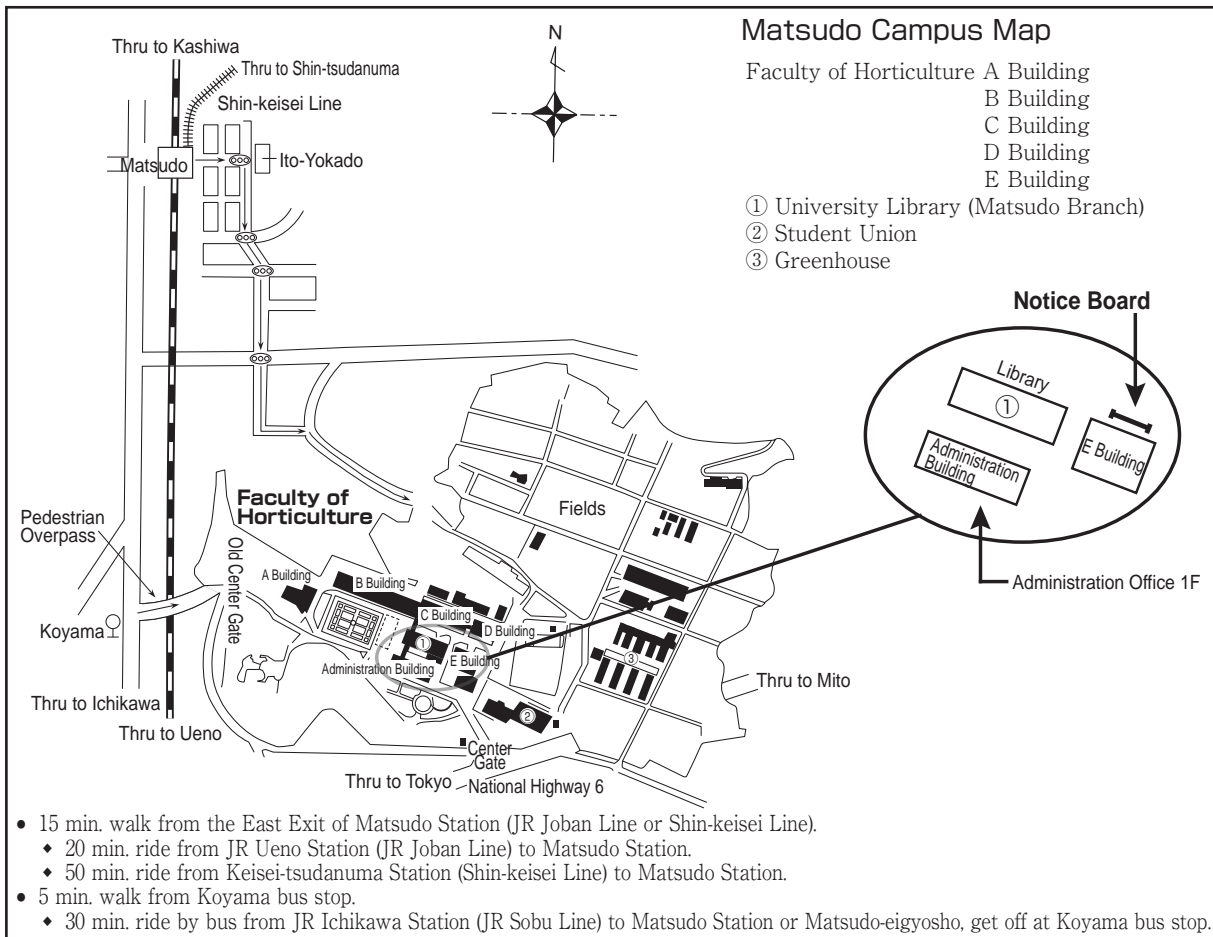
Chiba University is divided into four campuses, each named after the district where it is located: Nishi Chiba, Inohana, Matsudo, and Kashiwanoha. The Nishi Chiba Campus is the main campus. Situated on a 390,000-m² site in front of the Sobu Line's Nishi Chiba Station, it is where most of the faculties and facilities are located.

The Inohana Campus is on a plateau in Inohana, an area in Chiba City's Chuo Ward; it is where the School of Medicine, Faculty of Pharmaceutical Sciences, School of Nursing, and Chiba University Hospital are located. The Matsudo Campus in Matsudo City is home to the Faculty of Horticulture, and Kashiwanoha Campus in Kashiwa City is where the Center for Environment, Health and Field Sciences is located.

Chiba University Graduate School of Horticulture Faculty of Horticulture Transportation Map



Matsudo Campus Map



- 15 min. walk from the East Exit of Matsudo Station (JR Joban Line or Shin-keisei Line).
- 20 min. ride from JR Ueno Station (JR Joban Line) to Matsudo Station.
- 50 min. ride from Keisei-tsudana Station (Shin-keisei Line) to Matsudo Station.
- 5 min. walk from Koyama bus stop.
- 30 min. ride by bus from JR Ichikawa Station (JR Sobu Line) to Matsudo Station or Matsudo-eigyosho, get off at Koyama bus stop.