

# Foreword

Tokushima University aims to be a university that solves issues on a scale affecting one billion people.

One of Tokushima University's challenges is raising its education and research to international standards.

The measures we're taking for these issues are listed below.

- Increase the university's own scholarships  
We will provide scholarships to as many international students as possible.
- Increase accommodation mixing Japanese and international students  
We will use student dormitories, staff accommodation, and vacant homes to increase the opportunities for Japanese and international students to live together.
- Increase the number of international students from the current 230 to 350  
Tokushima University Graduate Student Alumni Associations have currently been established in six countries: China, Korea, Mongolia, Indonesia, Malaysia, and Vietnam. These Alumni Associations have a system for recommending talented international students, so please make use of it.
- The Pre-arrival On-site Admission System for admission of talented students from over the world before coming to Japan  
This system is already started for Vietnam, and it will be implemented for other countries as well.
- We aim to raise the employment rate of international students in Japanese companies to 50%, and for them to become permanent residents of Japan.

Please join us at Tokushima University.



Sumihare Noji, Ph.D.  
President

## 巻頭言

徳島大学は、10 億人規模の問題を解決する大学をめざしています。

その徳島大学の一つの課題は、教育研究を国際水準に高めることです。  
このような課題に対する対策を下記にリストアップします。

- ・大学独自の奨学金を増加  
多くの留学生になるべく多くの奨学金を支給します。
- ・日本人学生との混住型宿舎を増加  
学生寮、職員宿舎、空き家などを活用し、日本人学生と混住できる機会を増加させます。
- ・現在約 230 人いる外国人留学生を **350 人に増加**  
徳島大学では、**卒業留学生同窓会**を、現在、中国、韓国、モンゴル、インドネシア、マレーシア、ベトナムの 6 カ国に設置しています。この同窓会により、優秀な外国人留学生を推薦していただく仕組みを作っていますので、ぜひご利用ください。
- ・世界から優秀な外国人留学生を受け入れるための渡日前入学許可制度  
ベトナムでは、学部の**渡日前入学許可制度**を始めております。他の国にも広げていきます。
- ・外国人留学生の日本企業等への就職率を 50%へ引き上げることを目指し、外国人学生が日本に定住することを目標にしています。

是非、徳島大学に入学してください。お待ちしております。

徳島大学長 野 地 澄 晴

# Introduction (はじめに)

Welcome to Tokushima University. This brochure explains what the foreigners who wish to enter the faculties or the graduate schools of this university should know, and common things through all faculties and graduate schools.

If you have some questions as you read this, consult the office of the faculty or the graduate school you wish to enter.

Application qualifications and methods of the selection of each faculty or graduate school are different.

Consult each department's office for details.

この冊子は徳島大学の学部あるいは大学院に入学を希望する外国人のために、知っておいてほしいことと、すべての学部あるいは大学院教育部に共通するものを説明したものです。この冊子を読んだ上で、不明な点はそれぞれの希望する学部または教育部の担当係まで問い合わせてください。

また、出願資格や選考方法などは、それぞれ異なることがありますので、詳しいことを知りたい時はそれぞれの希望する学部又は教育部の担当係まで問い合わせてください。

# Outline and Organization of the University (徳島大学とは)

Tokushima University was established as a national university in 1949. It consists of two campuses and has about 7,600 students and about 3,000 staff members.

On Josanjima campus, close to the mouth of the Yoshino River, there are the Faculty of Integrated Arts and Sciences, the Faculty of Science and Technology and the Faculty of Bioscience and Bioindustry and two courses for the graduate school: Integrated Arts and Sciences, and Advanced Technology and Science. Affiliated Institutes with the University are the Center for University Extension, Center for Administration of Information Technology, and the University Library. As for the Faculty of Integrated Arts and Sciences, it has the course of Integrated Arts and Social Sciences for the purpose of training talented persons with both general elementary knowledge and expertise in the fields of humanities and natural and social sciences and has a graduate school (Master's and Doctoral course).

The Faculty of Science and Technology has seven courses for the purpose of training technicians and researchers and contributing to the advancement of the industry and technology. It also has a graduate school (Master's and Doctoral course).

On Kuramoto campus, at the foot of Mt. Bizan, there are three faculties, Medicine, Dentistry and Pharmaceutical Sciences, and five graduate schools, Medical Sciences, Nutrition and Biosciences, Oral Sciences, Pharmaceutical Sciences, and Health Science. As for the affiliated facilities, we have University Hospital, the Institute of Advanced Medical Sciences, Advance Radiation Research, Education, and Management Center, and the Life Sciences Library. This campus conducts research on advanced medical treatment as well as education and life science as a medical center. It trains nine areas of person such as medical doctor, dentist, dental hygienist, certified social worker, pharmacist, registered dietitian, nurse, clinical radiologist and maternity nurse.

徳島大学は1949年に設置され、学生約7,600人、教職員約3,000人を擁し、二つのキャンパスからなる総合大学です。吉野川の河口に近い常三島キャンパスには、総合科学部、理工学部、生物資源産業学部、大学開放実践センター、情報センター及び附属図書館があります。

総合科学部は、社会総合科学科を有し、幅広い総合的視野を備え、専門領域に優れた人材の養成を目的とするユニークな学部で、大学院博士課程を設置しています。理工学部は、技術者・研究者の養成と工業技術の開発を行っており、大学院に博士課程を有しています。

眉山の麓にある蔵本キャンパスには、医学部、歯学部、薬学部、病院、先端酵素学研究所、放射線総合センター、附属図書館蔵本分館があり、各学部大学院博士課程が設置されています。すなわち、本キャンパスでは生命科学の教育・研究とともに、メディカルセンターとして高度の医療が行われており、医師、歯科医師、歯科衛生士、社会福祉士、薬剤師、管理栄養士、看護師、診療放射線技師及び助産師が養成されています。

# Academic Calendar of 2018 (2018年度 学年暦)

## First Semester (前期)

April 1 4月1日	Semester begins (前期開始)
April 1 ~ April 5 4月1日~4月5日	Spring Vacation (春季休業)
August 1 ~ August 31 8月1日~8月31日	Summer Vacation (夏季休業)
September 30 9月30日	Semester ends (前期終了)

## Second Semester (後期)

October 1 10月1日	Semester begins (後期開始)
December 25 ~ January 7 12月25日~1月7日	Winter Vacation (冬季休業)
March 25 ~ March 31 3月25日~3月31日	Year-end Vacation (学年末休業)
March 31 3月31日	Semester ends (後期終了)

## Inquiry for Details Pertaining to the University

(徳島大学に関する詳細な問い合わせ先)

### Section of International Exchange

1-1 Minami-josanjima-cho, Tokushima, 770-8502, Japan

(国際課国際交流係：〒770-8502 徳島市南常三島町1丁目1番地)

TEL + 81 - 88 - 656 - 7079

FAX + 81 - 88 - 656 - 7597

### Educational Sections

Integrated Arts and Sciences (総合科学部, 総合科学教育部)

1-1 Minami-josanjima-cho, Tokushima, 770-8502, Japan

(〒770-8502 徳島市南常三島町1丁目1番地)

TEL + 81 - 88 - 656 - 7108

FAX + 81 - 88 - 656 - 9314

Medicine, Medical Sciences (医学部, 医科学教育部)

3-18-15 Kuramoto-cho, Tokushima, 770-8503, Japan

(〒770-8503 徳島市蔵本町3丁目18番地15)

TEL + 81 - 88 - 633 - 9649

FAX + 81 - 88 - 633 - 9431

Dentistry, Oral Sciences (歯学部, 口腔科学教育部)

3-18-15 Kuramoto-cho, Tokushima, 770-8504, Japan

(〒770-8504 徳島市蔵本町3丁目18番地15)

TEL + 81 - 88 - 633 - 7310

FAX + 81 - 88 - 631 - 4215

Pharmaceutical Sciences (薬学部, 薬科学教育部)

1-78-1 Shoumachi, Tokushima, 770-8505, Japan

(〒770-8505 徳島市庄町1丁目78番地1)

TEL + 81 - 88 - 633 - 7247

FAX + 81 - 88 - 633 - 9517

Nutrition and Bioscience (栄養生命科学教育部)

3-18-15 Kuramoto-cho, Tokushima, 770-8503, Japan

(〒770-8503 徳島市蔵本町3丁目18番地15)

TEL + 81 - 88 - 633 - 9649

FAX + 81 - 88 - 633 - 9431

Health Sciences (保健科学教育部)

3-18-15 Kuramoto-cho, Tokushima, 770-8503, Japan

(〒770-8503 徳島市蔵本町3丁目18番地15)

TEL + 81 - 88 - 633 - 9009

FAX + 81 - 88 - 633 - 9431

Science and Technology, Advanced Technology and Science (理工学部, 先端技術科学教育部)

2-1 Minami-josanjima-cho, Tokushima, 770-8506, Japan

(〒770-8506 徳島市南常三島町2丁目1番地)

TEL + 81 - 88 - 656 - 7315

FAX + 81 - 88 - 656 - 2158

Bioscience and Bioindustry (生物資源産業学部)

2-1 Minami-josanjima-cho, Tokushima, 770-8513, Japan

(〒770-8513 徳島市南常三島町2丁目1番地)

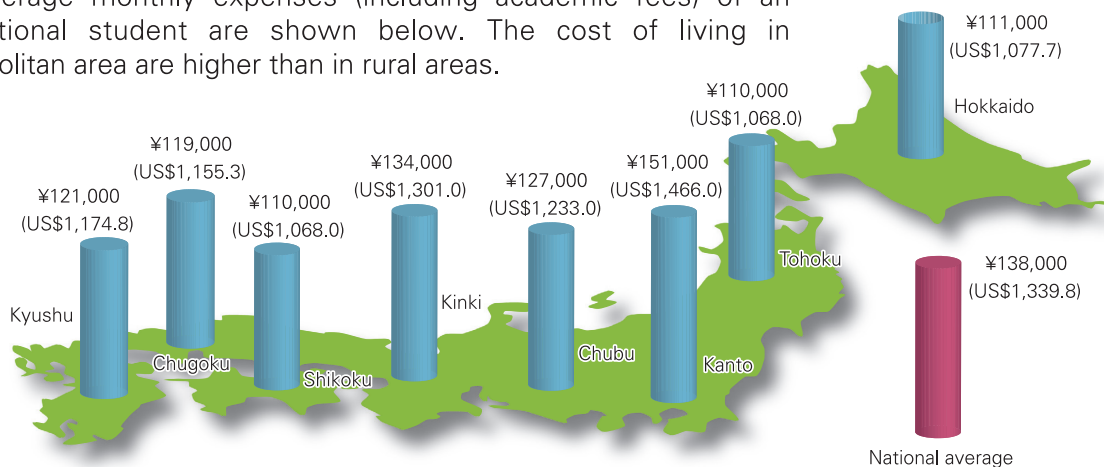
TEL + 81 - 88 - 656 - 8021

FAX + 81 - 88 - 656 - 8029

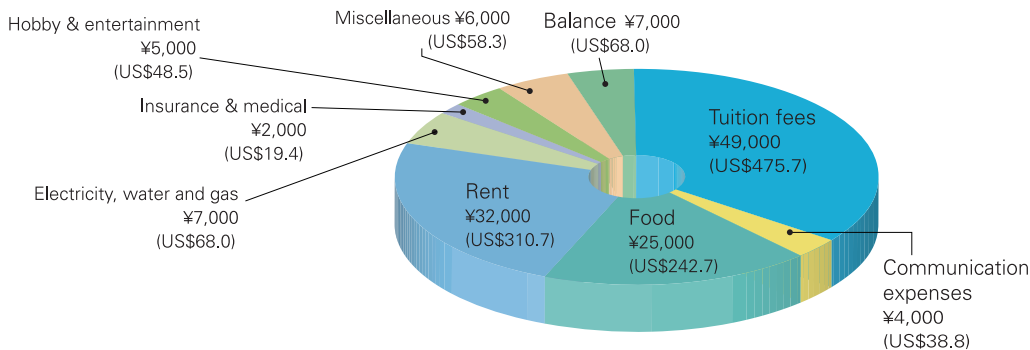
# Living Cost in Japan (日本での生活費)

## Cost of living

The average monthly expenses (including academic fees) of an international student are shown below. The cost of living in metropolitan area are higher than in rural areas.



### ◎ Breakdown of itemized monthly spending including tuition fees (national average)

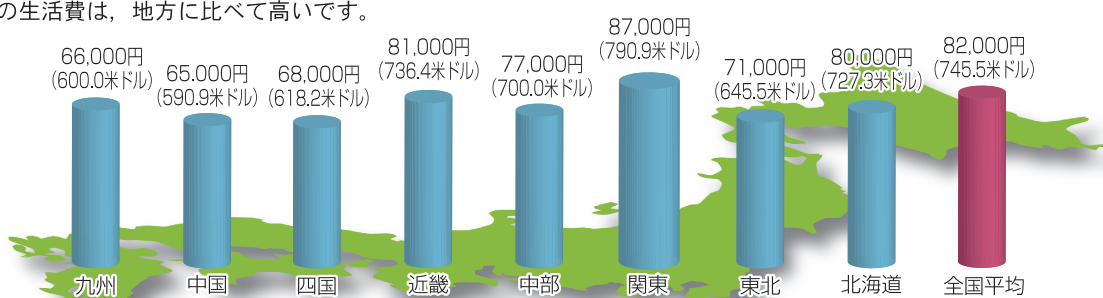


※ Calculated at US\$1 = ¥103

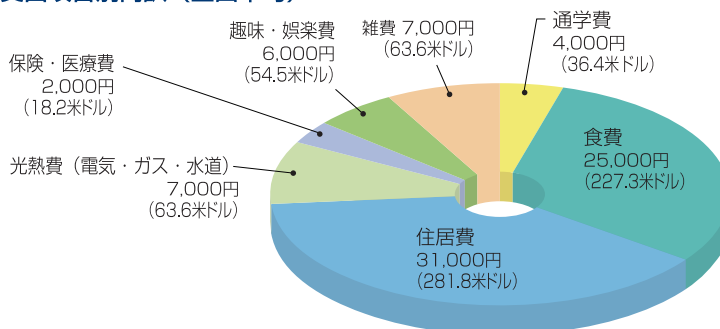
Source : Lifestyle Survey of Privately Financed International Students 2011 (JASSO)

## 生活費

外国人留学生の1カ月の生活費（学費を含む）は次のとおりです。  
大都市の生活費は、地方に比べて高いです。



### ◎ 1カ月の支出項目別内訳 (全国平均)



※ 1米ドル=110円で計算

出典 : 「平成27年度私費外国人留学生生活実態調査」(JASSO)

# Faculties and Schools (留学生受入れ学部・学科・研究科)

## Faculties / Schools (学部等)

Faculties / Schools (学部名)	Department / Course (学科名)	Degree (取得学位)
<b>Faculty of Integrated Arts and Sciences (総合科学部)</b> URL ( <a href="http://web.ias.tokushima-u.ac.jp/english/">http://web.ias.tokushima-u.ac.jp/english/</a> )	Dept. of Integrated Arts and Social Sciences (社会総合科学科)	Bachelor of Integrated Arts and Sciences (学士 (総合科学))
<b>Faculty of Medicine (医学部)</b> URL ( <a href="http://www.tokushima-u.ac.jp/med/english/">http://www.tokushima-u.ac.jp/med/english/</a> )	School of Medicine (医学科)	Bachelor of Medicine (学士 (医学))
	School of Medical Nutrition (医科栄養学科)	Bachelor of Nutritional Science (学士 (栄養学))
	School of Health Sciences (保健学科)	Bachelor of Nursing Bachelor of Health Science (学士 (看護学, 保健学))
<b>Faculty of Dentistry (歯学部)</b> URL ( <a href="http://www.tokushima-u.ac.jp/dent/english/">http://www.tokushima-u.ac.jp/dent/english/</a> )	School of Dentistry (歯学科)	Bachelor of Dental Science (学士 (歯学))
	School of Oral Health and Welfare (口腔保健学科)	Bachelor of Oral Health and Welfare (学士 (口腔保健学))
<b>Faculty of Pharmaceutical Sciences (薬学部)</b> URL ( <a href="http://www.tokushima-u.ac.jp/ph/english/">http://www.tokushima-u.ac.jp/ph/english/</a> )	School of Pharmaceutical Technosciences (創製薬科学科) School of Pharmacy (薬学科)	Bachelor of Pharmaceutical Sciences (学士 (薬科学)) Bachelor of Pharmacy (学士 (薬学))
<b>Faculty of Science and Technology (理工学部)</b> URL ( <a href="http://www.tokushima-u.ac.jp/st/">http://www.tokushima-u.ac.jp/st/</a> )	Dept. of Science and Technology (理工学科)	Bachelor of Science and Technology (学士 (理工学))
<b>Faculty of Bioscience and Bioindustry (生物資源産業学部)</b> URL ( <a href="http://www.bb.tokushima-u.ac.jp/">http://www.bb.tokushima-u.ac.jp/</a> )	Dept. of Bioscience and Bioindustry (生物資源産業学科)	Bachelor of Bioscience and Bioindustry (学士 (生物資源産業学))

Duration is 4years for all courses, but 6 years for the School of Medicine, for the School of Dentistry and for the Course of Pharmaceutical Sciences.

注：修業年限は4年，ただし，医学部（医学科），歯学部（歯学科）及び薬学部（薬学科）は6年である。

## Graduate Schools (大学院)

Schools (研究科名)	Course(課程名)	Program (専攻名)	Degree (取得学位)
<b>Graduate School of Integrated Arts and Sciences</b> (総合科学教育部) URL ( <a href="http://web.ias.tokushima-u.ac.jp/english/">http://web.ias.tokushima-u.ac.jp/english/</a> )	Master Course (博士前期課程)	Regional Sciences (地域科学専攻) Clinical Psychology (臨床心理学専攻)	Master of Arts and Sciences (修士 (学 術)) Master of Clinical Psychology (修士 (臨床心理学))
	Doctoral Course (博士後期課程)	Regional Sciences (地域科学専攻)	Doctor of Philosophy (博士 (学 術))
<b>Medical Sciences</b> (医科学教育部) URL ( <a href="http://www.tokushima-u.ac.jp/med/english/graduate/medical/">http://www.tokushima-u.ac.jp/med/english/graduate/medical/</a> )	Master Course (修士課程)	Medical Science (医科学専攻)	Master of Science (Medical Science) (修士 (医科学))
	Doctoral Course (博士課程)	Medical Sciences (医学専攻)	Doctor of Philosophy (Medical Science) (博士 (医学))
<b>Oral Sciences</b> (口腔科学教育部) URL ( <a href="http://www.tokushima-u.ac.jp/dent/english/">http://www.tokushima-u.ac.jp/dent/english/</a> )	Master's Course (博士前期)	Oral Health Science (口腔保健学専攻)	Master of Oral Health Science (修士 (口腔保健学))
	Doctoral Course (博士課程)	Oral Sciences (口腔科学専攻)	Doctor of Philosophy (Dental Science) (博士 (歯 学)) Doctor of Philosophy (博士 (学 術))
	Doctor's Course (博士後期課程)	Oral Health Science (口腔保健学専攻)	Doctor of Oral Health Science (博士 (口腔保健学)) Doctor of Philosophy (博士 (学 術))
<b>Pharmaceutical Sciences</b> (薬科学教育部) URL ( <a href="http://www.tokushima-u.ac.jp/ph/english/">http://www.tokushima-u.ac.jp/ph/english/</a> )	Master Course (博士前期課程)	Pharmaceutical Sciences (創薬科学専攻)	Master of Pharmaceutical Sciences (修士 (薬科学))
	Doctoral Course (博士後期課程)	Pharmaceutical Sciences (創薬科学専攻)	Doctor of Philosophy (Pharmaceutical Sciences) (博士 (薬科学))
	Doctoral Course (博士課程)	Pharmacy (薬学専攻)	Doctor of Philosophy (Clinical Pharmaceutical Sciences) (博士 (薬 学))
<b>Nutrition and Bioscience</b> (栄養生命科学教育部) URL ( <a href="http://www.tokushima-u.ac.jp/med/english/graduate/nutrition/">http://www.tokushima-u.ac.jp/med/english/graduate/nutrition/</a> )	Master Course (博士前期課程)	Human Nutrition (人間栄養科学専攻)	Master of Science (Nutritional Science) (修士 (栄養学))
	Doctoral Course (博士後期課程)	Human Nutrition (人間栄養科学専攻)	Doctor of Philosophy (Nutritional Science) (博士 (栄養学))
<b>Health Sciences</b> (保健科学教育部) URL ( <a href="http://www.tokushima-u.ac.jp/med/english/graduate/health_sciences/">http://www.tokushima-u.ac.jp/med/english/graduate/health_sciences/</a> )	Master Course (博士前期課程)	Health Sciences (保健学専攻)	Master (Health Sciences) (修士 (保健学)) Master (Nursing Sciences) (修士 (看護学))
	Doctoral Course (博士後期課程)	Health Sciences (保健学専攻)	Doctor of Philosophy (Health Sciences) (博士 (保健学))
<b>Advanced Technology and Science</b> (先端技術科学教育部) URL ( <a href="http://www.tokushima-u.ac.jp/e/english/graduate_school/">http://www.tokushima-u.ac.jp/e/english/graduate_school/</a> )	Master Course (博士前期課程)	Intelligent Structures and Mechanics Systems Engineering (知的力学システム工学専攻) Life and Materials Systems Engineering (物質生命システム工学専攻) Systems Innovation Engineering (システム創生工学専攻)	Master of Engineering (修士 (工 学))
	Doctoral Course (博士後期課程)	Intelligent Structures and Mechanics Systems Engineering (知的力学システム工学専攻) Life and Materials Systems Engineering (物質生命システム工学専攻) Systems Innovation Engineering (システム創生工学専攻)	Doctor of Engineering (博士 (工 学))

Duration is 2 years for the master course and 4 years for the doctoral courses in Medical Sciences and Oral Sciences but 3 years for the other doctoral courses.

注：標準修業年限は、修士課程及び博士前期課程は2年、博士後期課程は3年、博士課程は4年である。

# Admission to Undergraduate Schools (学部に入学するためには)

There are two types of admission for undergraduate students: as regular or non regular students (research students and auditors, unclassified or non-degree) admissions.

All classes and lectures at each Faculty or School are conducted entirely in Japanese, even to foreign students. For this reason it would be desirable if international students achieve a proper level of Japanese before admission.

As for research students, policy varies from faculty to faculty. For further information, students should contact the person of the administrative section of the Faculty they wish to enter.

For regular students, the duration of education is generally 4 years and the Bachelor's degree is finally granted upon completion of the program required.

However, for students in the Faculties of Medicine, Dentistry and Pharmaceutical Sciences, the duration of the educational program is generally 6 years, and the degree of Bachelor of Medicine, Dentistry or Pharmacy is granted upon completion of the program.

本学の各学部には、正規の学部学生と非正規生の研究生及び科目等履修生の入学制度があります。

学部における授業は、外国人留学生に対しても現在は全て日本語によって行われております。この点を十分に考慮し、入学以前に日本語を修得しておくことが必要です。

なお、研究生の制度については、学部により取扱いが異なることがありますので、さらに詳しいことを知りたい時は各学部の担当係まで照会して下さい。

正規の学生は4年間在学し、所定の単位を修得すれば学士の学位が与えられます。

ただし、医学部医学科、歯学部歯学科および薬学部薬学科においては、6年間在学し所定の単位を取得すれば、医学科の場合は学士（医学）、歯学科の場合は学士（歯学）、薬学科の場合は学士（薬学）の学位が与えられます。

## Application Requirements (出願要件)

General requirements 1,2,3 should be met by all international applicants. Moreover, some of the faculties may require the 4 below:

- 1 Applicants must not possess Japanese nationality and not have permission for permanent residence from the Japanese Government,
- 2 Applicants must meet one of the following conditions:
  - (1) Must have completed 12 years of school education abroad before or by the end of March in the year of admission, or the equivalent of such education as recognized by the Ministry of Education, Science, Sports and Culture,
  - (2) Must possess the International Baccalaureate Diploma recognized by the civil code of Switzerland, and must be at least eighteen years of age on March 31st of the year of the examination, and/or
  - (3) Must possess Abitur Zertifikat, a University entrance qualification based on each state of the Federal Republic of Germany, or the Baccalaureate Diploma recognized by the Republic of France as an University entrance qualification, and must be at least eighteen years of age on March 31st of the year of the examination.
- 3 Applicants must take the subjects assigned by the university/department in EJU (Examination for Japanese University Admission for International Students) by March 31st of the year of the examination, and must understand Japanese.
- 4 Faculty-specific requirements  
Please check your conditions for university entrance selection. Some of the faculties may request your TOEFL score.

(CAUTION)

1. Even if applicants don't possess Japanese nationality, the applicants who graduate Japanese high school including secondary school must not apply this selection.
2. Please choose to take either the 1<sup>st</sup> EJU in June 2017, or the 2<sup>nd</sup> EJU in November 2017  
Subjects/ Sections of the 1<sup>st</sup> EJU and 2<sup>nd</sup> EJU.



本学に出願できる者は、次の1～3の要件及び4各学部の要件全てを満たしている者とします。

- 1 日本の国籍を有しない者で、且つ、日本国の永住許可を取得していない者
- 2 次のいずれかに該当する者
  - (1) 外国において、学校教育における12年の課程を修了した者若しくは平成30年3月31日までに修了見込みの者又はこれらに準ずる者で文部科学大臣の指定したもの
  - (2) スイス民法典に基づく財団法人である国際バカロレア事務局から国際バカロレア資格を授与された者で、平成30年3月31日までに18歳に達する者
  - (3) ドイツ連邦共和国の各州において大学入学資格として認められているアビトゥア資格又はフランス共和国において大学入学資格として認められているバカロレア資格を取得した者で、平成30年3月31日までに18歳に達する者
- 3 独立行政法人日本学生支援機構が平成29年度に実施する日本留学試験において本学が指定した全教科・科目を受験した者であり、日本語を理解できる者
- 4 各学部の要件

入学者選抜要項をご確認ください。学部等により TOEFL の成績が必要な場合があります。

- (注) 1 日本の国籍を有しない者であっても、日本の高等学校（中等教育学校を含む。）を卒業した者は、この選抜に出願することはできません。
- 2 平成29年度第1回（6月実施）又は第2回（11月実施）のいずれか一方で、指定する日本語留学試験の教科・科目を、すべて受験してください。教科・科目の受験結果を第1回と第2回に分けることはできません。

## Selection（選抜方法）

International applicants will be selected according to the following criteria: (1) the results of their EJU, (2) academic achievement tests conducted by Tokushima University and (3) the application documents that the applicant sent to the University.

入学者の選抜は、日本留学試験の成績、本学が実施する個別学力検査等の成績及び書類審査の結果を総合判定します。

## General Inquiries（照会先）

International students should contact the admission division below for any inquiries regarding the entrance examination and application forms.

本学への入学に関して、募集要項、入学試験などの詳細を知りたい方は下記の担当係へお問い合わせ下さい。

Admission Division, Section of Entrance Examination, Tokushima University  
(徳島大学 学務部入試課入学試験係)  
Address: 2-24, Shinkura-cho, Tokushima 770-8501, Japan  
(住所: 徳島市新蔵町2丁目24番地)  
TEL: + 81-88-656-7091  
FAX: + 81-88-656-7093



Central Administration office

## Research Students (研究生)

The faculty allows for research students seeking to pursue a specific topic of research. However, such students are not entitled to receive a degree or qualification at the end of the research period.

研究生とは、学部・大学院において特別の事項について研究をしようとする者のための制度です。研究期間を終了しても、研究生には学位、資格等は与えられません。くわしくは、各学部担当係まで照会して下さい。

For further information, please contact the educational section shown in page 5.

### 【Admission Period】(入学時期)

As a general rule, admission is at the beginning of the semester in either April or October.

原則として、入学時期は毎学期のはじめ(4月、10月)です。

### 【Enrollment Period】(在学期間)

The period of enrollment is usually 6 months to one year, but, depending upon the requirements of research, the enrollment period can be extended.

在学期間は半年または1年間です。ただし、研究上の必要によっては在学期間の延長を願い出ることができます。



Sudachi

## Admission to Graduate Schools (大学院に入学するためには)

In the Graduate Schools of Tokushima University, there are two types of admission: as Regular students or Non Regular students (research students and special auditors) are Matriculated students (graduate students) and Non-Matriculated students (special auditor, special studies students and subject studies students).

In the regular courses, there are the Pre-Doctoral course (Master's Program) and Doctoral course (Doctoral Program).

Except for the special programs offered in English which is placed every graduate schools but Graduate School of Integrated Arts and Sciences, the classes and lectures are conducted in Japanese even to foreign students. In consideration of this point, it is necessary that competence in the Japanese language be attained before admission.

This chapter explains the terms of school years, qualifications, admission requirements, and application for admission to matriculated courses and non-matriculated courses.

For further information, contact the educational section of the graduate schools shown in page 5.

大学院には、正規生(大学院生)と非正規生(研究生及び科目等履修生)への入学制度があります。

正規の課程には、博士前期課程(修士課程)と博士後期課程(博士課程)とがあります。総合科学教育部以外の各教育部に置く英語による特別プログラムを除き、本学の大学院における授業は、外国人留学生の場合でも一般学生と同様に日本語によって行われております。この点を十分に考慮し、入学以前に日本語を修得しておく必要があります。

ここでは、正規の課程について、修業年限、取得できる資格、出願資格、出願方法等について説明いたします。なお、教育部によって制度が多少異なります。また、正規の課程については外国人留学生に対して特別な選考を行う教育部もあります。詳細について知りたい時は、各教育部の担当係へ照会してください。

## Matriculated Courses for M.A. and Ph.D. (修士課程, 博士課程)

In the Pre-Doctoral course (Master's Program), a Master's degree is awarded when the following conditions are met: regular attendance of two years at the University with completion of curricula and units provided by division of research and, after receiving required research instructions, passing the thesis inspection and final examination.

In the Doctoral course (Doctoral Program), Doctoral degree is awarded when the following conditions are met: regular attendance of three years at the University with completion of curricula and units provided by division of research and, after receiving required research instructions, passing the thesis inspection and final examination.

However, for Graduate Schools of Medical Sciences, Oral Sciences and Pharmaceutical Sciences regular attendance of over four years at the University is required.

As a general rule, admission to the matriculated course is in April.

As an exception for foreign students, the entrance examinations are held between the end of August to the beginning of September and admission is in October.

博士前期課程（修士課程）では、通常2年在学し、当該教育部の定めた所要の科目及び単位を修得し、必要な研究指導を受けた後、論文審査ならびに最終試験に合格すれば修士の学位が与えられます。

博士後期課程では、通常3年在学し、当該教育部の定めた所要の科目及び単位を修得し、必要な研究指導を受けた後、論文審査ならびに最終試験に合格すれば博士の学位が与えられます。

ただし、医科学教育部、口腔科学教育部及び薬科学教育部の博士課程は、通常4年在学することとなっております。

いずれも正規課程への入学時期は、原則として学年暦のはじめ（4月）ですが、外国人留学生については、入学試験を8月下旬から9月上旬頃に実施し、10月に入学する制度があります。

### 【Application Qualifications for Master's Program/Pre-Doctoral Program】

(修士課程・博士前期課程への出願資格)

Applicants must satisfy one of the following requirements:

- 1 University graduates or those who will graduate from University by March of each year
- 2 Those who have completed at least a total of 16 years of school education or those who will complete it by March of each year
- 3 Those who have completed or will have completed at least 16 years of formal school education of a foreign country by studying the relevant subject in Japan via correspondence course provided by a school of the country by March
- 4 Those who have successfully completed a course at an educational institution abroad (a graduated of which must have completed a 16-year course in the school education system), which is assessed in Japan to have university course in that education system, and specifically designated by the Minister of Education, Science and Culture or are expected to do so on or before March
- 5 Those who are specifically designated by Ministry of Education, Culture, Sports, Science and Technology, Government of Japan
- 6 Those who have a degree corresponding to that of a bachelor's through the completion of courses with a term of study for three years or more (which includes the completion of an equivalent degree taken through a correspondence course in Japan provided by a foreign university, and also includes the completion of an equivalent degree issued by an educational institute which is designated as equivalent to those in Japan based on the conditions stated above and is acknowledged as a part of the formal education in the applicant's home country) at a foreign university or another overseas educational institute (limited to those appropriately rated by an accreditation agent of the government of the applicant's home country or by another officially approved accreditation institute, or specifically and independently designated as equivalent by the Minister of Education, Science and Culture).
- 7 Those who have successfully completed, or are expected to complete, after the date designated by the Minister of Education, Culture, Sports, Science and Technology, the specialized course specifically designated by the Minister of Education, Culture, Sports, Science and Technology at a vocational school, whose minimum period required for graduation is four years or longer, and which also satisfies other condition specified by the Minister of

Education, Culture, Sports, Science and Technology

- 8 Those who have completed at least 15 years of school education with high records and qualified by the Graduate School of Tokushima University
- 9 Those who are qualified by the Graduate School, Tokushima University as having academic standards equivalent to those of university or college graduates in Japan and who have reached 22 years old

出願する者は、次の要件のいずれかを満たす必要があります。

- 1 大学を卒業した者又は卒業見込みの者
- 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又は修了見込みの者
- 3 外国の学校が行う通信教育における授業科目を我が国において履修することにより、当該外国の学校教育における16年の課程を修了した者又は修了見込みの者
- 4 我が国において、外国の大学の課程（その修了者が当該外国の学校教育における16年の課程を修了した者に限る。）を有するものとして当該外国の学校教育制度において位置付けられた教育施設であって、文部科学大臣が指定するものの当該課程を修了した者
- 5 文部科学大臣が指定した者
- 6 外国の大学その他の外国の学校（その教育研究活動等の総合的な状況について、当該外国の政府又は関係機関の認証を受けた者による評価を受けたもの又はこれに準ずるものとして文部科学大臣が別に指定するものに限る。）において、修業年限が3年以上である課程を修了すること（当該外国の学校が行う通信教育における授業科目を我が国において履修することにより当該課程を修了すること及び当該外国の学校教育制度において位置付けられた教育施設であって前号の指定を受けたものにおいて課程を修了することを含む。）により、学士の学位に相当する学位を授与された者
- 7 専修学校の専門課程（修業年限が4年以上であることその他の文部科学大臣が定める基準を満たすものに限る。）で文部科学大臣が別に指定するものを文部科学大臣が定める日以後に修了した者及び見込みの者
- 8 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ものと本学の大学院において認めた者
- 9 本学の大学院において、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た者で、22歳以上の者

#### 【Application Qualifications for Doctoral Program】（博士後期課程への出願資格）

Applicants must satisfy one of the following requirements:

- 1 Those who have received, or are expected to receive, a Master's degree or a professional degree by time of admission
- 2 Those who have received, or are expected to receive by time of admission, a Master's degree or a professional degree from a university abroad
- 3 Those who have received or are expected to receive by the time of their entrance to this course, a degree equivalent to a Master's degree or a professional degree by studying the relevant subjects in Japan via correspondence course provided by a school of a foreign country
- 4 Those who have completed and earned a Master's degree or a degree that corresponds to a professional degree at an educational institution abroad which is assessed in Japan to have graduate school course abroad in the school education system and specifically designated by the Minister of Education, Science and Culture
- 5 Individuals who have completed a course at United Nations University, and been awarded a master's or equivalent degree from the same university
- 6 Those who have completed a course of a foreign school, an educational institution designated in item 4 above or the United Nations University; passed an examination or a screening which corresponds to those prescribed in Article 16, paragraph 2 of the Standards for the Establishment of Graduate Schools; and are qualified to have academic standard equivalent to or higher than those who hold a master's degree
- 7 Those who are specifically designated by Ministry of Education, Culture, Sports, Science and Technology, Government of Japan
- 8 Those who are qualified, through individual Entrance Examination, by the Graduate School, Tokushima University to have an academic standard equivalent or superior to that of graduates who have Master's Degree, and who have reached 24 years of age

出願する者は、次の要件のいずれかを満たす必要があります。

- 1 修士の学位又は専門職学位を有する者又は学位を得る見込みの者
- 2 外国において、修士の学位又は専門職学位に相当する学位を授与された者又は学位を授与される見込みの者
- 3 外国の学校が行う通信教育における授業科目を我が国において履修し、修士の学位又は専門職学位に相当する学位を授与された者及び本課程入学までに授与される見込みの者
- 4 我が国において、外国の大学院の課程を有するものとして当該外国の学校教育制度において位置付けられた教育施設であって、文部科学大臣が指定するものの当該課程を修了し、修士の学位又は専門職学位に相当学位を授与された者
- 5 国際連合大学の課程を修了し、修士の学位に相当する学位を授与された者
- 6 外国の学校、上記4の指定を受けた教育施設又は国際連合大学の教育課程を履修し、大学院設置基準第16条の2に規定する試験及び審査に相当するものに合格し、修士の学位を有する者と同等以上の学力があると認められた者
- 7 文部科学大臣が指定した者
- 8 本学の大学院において、個別の入学資格により修士の学位を有する者と同等以上の学力があると認めた者で、24歳以上の者

### 【Application Qualifications for Doctoral Degree Program (Medical Sciences, Oral Sciences and Pharmaceutical Sciences)】

(医科学教育部、口腔科学教育部及び薬科学教育部の博士課程への出願資格)

Applicants must satisfy one of the following requirements:

- 1 Those who have received or are expected to receive a Bachelor's degree (Medicine, Dentistry, a 6-year Pharmacy or a 6-year Veterinary Medicine) from a Japanese university
- 2 Those who have received or are expected to receive a Bachelor's degree (Medicine, Dentistry or Veterinary Medicine) from National Institute for Academic Degrees and University Evaluation of Japan
- 3 Those who have completed or are expected to complete 18-year schooling (current major should be either Medicine, Dentistry, Pharmacy or Veterinary Medicine) outside of Japan
- 4 Those who have completed or are expected to complete, 18-year schooling (current major should be Medicine, Dentistry, Pharmacy or Veterinary Medicine) by studying the relevant subjects in Japan via correspondence course provided by a school of a foreign country
- 5 Those who have completed 18-year schooling (current major should be Medicine, Dentistry, Pharmacy or Veterinary Medicine) at an educational institution abroad which is assessed in Japan to have equivalent school courses in the school education system and specifically designated by the Ministry of Education, Culture, Sports, Science and Technology
- 6 Those who have a degree corresponding to that of a bachelor's through the completion of courses with a term of study for five years or more (which includes the completion of an equivalent degree taken through a correspondence course in Japan provided by a foreign university, and also includes the completion of an equivalent degree issued by an educational institute which is designated as equivalent to those in Japan based on the conditions stated above and is acknowledged as a part of the formal education in the applicant's home country) at a foreign university or another overseas educational institute (limited to those appropriately rated by an accreditation agent of the government of the applicant's home country or by another officially approved accreditation institute, or specifically and independently designated as equivalent by the Minister of Education, Science and Culture).
- 7 Those who are specially designated by Ministry of Education, Culture, Sports, Science and Technology
- 8 Those who are recognized to have achieved enough academic outcomes by the Admission Committee for the Interdisciplinary Health Care Graduate Program in English and have studied under the faculty of Medicine, Dentistry, Pharmacy or Veterinary Medicine of a university for more than four years or have completed 16-year schooling (including a course for Medicine, Dentistry, Pharmacy or Veterinary Medicine) in a foreign country
- 9 Those who are qualified, through individual Entrance Qualification Examination, by the



Local tradition, Awa dance

Admission Committee for the Interdisciplinary Health Care Graduate Program in English, Tokushima University, to have academic standard equivalent to or higher than those who are prescribed in Article 1, and those who have reached 24 years of age

出願する者は、次の要件のいずれかを満たす必要があります。

- 1 学校教育法第83条第1項に定める大学の医学、歯学又は修業年限6年の薬学若しくは獣医学を履修する課程を卒業した者及び卒業見込みの者
- 2 学校教育法第104条第4項の規定により学士の学位を授与された者（医学、歯学又は獣医学を履修した者に限る。）及び授与される見込みの者
- 3 外国において、学校教育における18年の課程（最終の課程は医学、歯学、薬学又は獣医学）を修了した者及び修了見込みの者
- 4 外国の学校が行う通信教育における授業科目を我が国において履修することにより当該外国の学校教育における18年の課程（最終の課程は医学、歯学、薬学又は獣医学）を修了した者及び修了見込みの者
- 5 我が国において、外国の大学の課程（その修了者が当該外国の学校教育における18年の課程（最終の課程は医学、歯学、薬学又は獣医学）を修了したとされるものに限る。）を有するものとして当該外国の学校教育制度において位置付けられた教育施設であって、文部科学大臣が指定するものの当該課程を修了した者及び修了見込みの者
- 6 外国の大学その他の外国の学校（その教育研究活動等の総合的な状況について、当該外国の政府又は関係機関の認証を受けた者による評価を受けたもの又はこれに準ずるものとして文部科学大臣が別に指定するものに限る。）において、修業年限が5年以上である課程を修了すること（当該外国の学校が行う通信教育における授業科目を我が国において履修することにより当該課程を修了すること及び当該外国の学校教育制度において位置付けられた教育施設であって前号の指定を受けたものにおいて課程を修了することを含む。）により、学士の学位に相当する学位を授与された者
- 7 学校教育法施行規則第155条第1項第6号の規定に基づき、文部科学大臣が指定した者
- 8 大学（医学、歯学、薬学又は獣医学を履修する課程に限る。）に4年以上在学し、又は外国において学校教育における16年の課程（医学、歯学、薬学又は獣医学を履修する課程を含むものに限る。）を修了し、本特別コース選考委員会において、所定の単位を優れた成績をもって修得したものと認められた者
- 9 本特別コース選考委員会において、個別の入学資格審査により、1に規定する者と同等以上の学力があると認められた者で、24歳に達したもの

#### 【Application Procedure】（出願手続）

Separate brochures with details of application and outlines of the respective graduate schools are available on request to the administrative section (page 5) responsible for the graduate school you wish to enter.

入学を希望する者は、各教育部においてそれぞれに募集要項が発表されておりますので、各教育部担当係まで照会して下さい。

#### 【Selection】（選抜方法）

Applicants must take an entrance examination implemented by Tokushima University. The examination consists of written and verbal examinations, inspection of submitted documents.

入学を希望する者は、本学の実施する入学試験を受けなければなりません。試験の方法は、筆記試験、口述試験、提出された書類審査により行われます。

## Scholarships for International Students (外国人留学生のための奨学金制度)

International students can get Japanese government scholarships and nongovernmental scholarships offered by private organizations.

Consult the International Affairs Division for details.

外国人留学生のための日本政府奨学金制度と民間団体等の奨学金制度があります。詳細については国際課へ照会して下さい。

# Monbukagakusho Scholarships

## (Scholarships of the Japanese Ministry of Education, Science, Sports and Culture)

### (文部科学省留学生奨学金)

There are two different types of governmental scholarships provided by Monbukagakusho. Please note that selection procedures and requirements are different.

日本政府奨学金制度（国費外国人留学生制度と呼びます。）には、大使館推薦、大学推薦の2種類の奨学金があります。それぞれにおいて選抜方法と要件が異なりますので注意して下さい。

#### Recommendation by a Japanese Embassy (大使館推薦による場合)

Diplomatic establishments of the Japanese Government in foreign countries select candidates for the scholarship by the results of three tests: screening test, written test, and an interview. Then, they are recommended to Monbukagakusho, the Japanese Ministry of Education, Culture, Sports, Science, and Technology. Finally, Monbukagakusho selects some candidates as recipients of the scholarship. For more details, contact to the Japanese diplomatic office abroad nearest to you.

在外日本公館は奨学金の候補者を選考します。選考は書類審査、筆記試験及び面接試験により行われます。在外日本公館はその結果により候補者を文部科学省に推薦し、文部科学省が最終合格者を決定することになっています。詳細についてはもよりの日本公館へ照会して下さい。

#### Recommendation by the University (大学推薦による場合)

##### ● For New International Applicants to the University ● (新たに海外から留学する者を採用する場合)

Foreign graduate students with excellent records can be selected as candidates for the scholarship on the basis of exchange agreements made between foreign universities and Tokushima University (see page 44).

After Tokushima University recommends candidates to Monbukagakusho, Monbukagakusho finally selects the recipients of the scholarship.



Graduation / Completion Party for International Students

本学と外国の大学との間で結ばれている交流協定等に基づき、本学が入学を許可しようとする大学院レベルの外国人留学生のうち特に優秀で奨学金の支給を必要とする者を文部科学省に推薦し、文部科学省が最終合格者を決定します。

## ● For Self-supported International Students Already Enrolled in the University ● (在学中の私費留学生から採用する場合)

Self-supported students with excellent records who are enrolled in graduate courses or are in the last year of undergraduate courses in Japan are recommended to Monbukagakusho after selection by their universities.

Recipients for the scholarship are finally selected by Monbukagakusho.

日本の大学院修士課程または博士課程及び学部最終年次生に在学する私費留学生の中から学業成績優秀な者について、学内で選考を行い文部科学省に推薦し、文部科学省が最終合格者を決定します。

# Scholarships For Self-Supported International Students (私費留学生のための奨学金制度)

## 1. Honors Scholarship for Privately Financed International Students

This is for students who are recognized as excellent students and require financial assistance while they are enrolled in universities.

Allowance : 48,000 Yen/month (FY 2017)

## 2. Scholarship Fund of Tokushima University

(1) "Tokushima University Fund for International Education and Research Exchanges" and "Fujii-Otsuka Fund for International Education and Research Exchanges" support international students who require financial assistance. Eligibility: international students enrolled in university at their own expenses.

- Tokushima University Fund for International Education and Research Exchange

Allowance: 30,000 Yen/month or 45,000 Yen/month (FY2017)

- Fujii-Otsuka Fund for International Education and Research Exchange

Allowance: 30,000 Yen/month or 48,000 Yen/month (FY2017)

(2) "The Tokushima University School of Dentistry Scholarship Fund" supports international students enrolled in the School of Dentistry, who require financial assistance. Eligibility: international students enrolled in the School of Dentistry at their own expenses (excluding international students sent by foreign governments).

Allowance : up to 30,000 Yen/month

## 3. Scholarships by Private Scholarship Organizations

These scholarships are granted by private scholarship organizations to international students studying at their own expense.

Since there are different methods for granting scholarships, consult with the registration (student) office of your department for details after matriculation.

## 4. Scholarships offered by Local Public Organizations.

These scholarships are granted by local public organizations to international students studying at their own expenses. Since there are differences in the ways to apply for scholarships, please consult with the registration (student) office of your department for details after matriculation.



1. 文部科学省私費外国人留学生学習奨励費

大学等に在籍している者のうち、経済的援助を必要とする成績優秀者

支給額：月額 48,000 円 (2017 年度)

2. 徳島大学独自の外国人留学生に対する奨学金事業

- (1) 「徳島大学国際教育研究交流資金」・「藤井・大塚国際教育研究交流資金」により、本学に在学する私費外国人留学生で、経済的援助を必要とする者に対して、勉学意欲を高めるために奨学金を支給する事業。

対象留学生：本学に在学する私費外国人留学生（外国政府派遣留学生除く）

・徳島大学国際教育研究交流資金

支給額：月額 30,000 円または 45,000 円 (2017 年度)

・藤井・大塚国際教育研究交流資金

支給額：月額 30,000 円または 48,000 円 (2017 年度)

- (2) 「徳島大学歯学部スカラーシップ助成金」により、本学の歯学部 に在学する私費外国人留学生で、経済的援助を必要とする者に対して、勉学意欲を高めるために奨学金を支給する事業。

対象留学生：歯学部 に在学する私費外国人留学生（外国政府派遣留学生除く）

支給額：月額 上限 30,000 円

3. 民間奨学団体による奨学金（各種の団体等によるもの）

民間の奨学団体等による私費留学生に対する奨学金制度です。

募集・選考・待遇等については、それぞれ異なっておりますので入学後、在籍学部・教育部の担当係に問い合わせてください。

4. 地方公共団体による奨学金制度

地方公共団体が実施する私費留学生に対する奨学金制度です。

募集・選考・待遇等については、それぞれ異なっておりますので入学後、在籍学部・教育部の担当係に問い合わせてください。

## Exemption of Tuition for Self-Supported International Students (私費留学生のための授業料免除制度)

International students in regular courses (except students sent by foreign governments, research students and auditors), who study at their own expense, can be exempted from the tuition (full or half amount) if they have financial difficulties and are recognized as excellent students.

私費留学生（政府派遣留学生・研究生及び科目等履修生は除く）に対して本学に入學後、学業成績が優秀で、経済的な理由により授業料の納付が困難な者については、願い出により選考のうえ、その学期の授業料の全額又は半額が免除される制度があります。

# Tuition and Other Expenses (入学に必要な費用)

Students are required to pay an entrance examination fee at the time of application, an enrollment fee at the time of registration, and a tuition fee.

学生は、出願時に入学検定料、入学時に入学料と授業料を納めることとなっています。

Status (区分)	Entrance Examination Fee (入学検定料)	Enrollment Fee (入学料)	Tuition Fee (授業料)
Undergraduate Student (学部学生)	17,000 Yen	282,000 Yen	535,800 Yen / year
Graduate Student (大学院生)	30,000 Yen	282,000 Yen	535,800 Yen / year
Research Student (研究生)	9,800 Yen	84,600 Yen	29,700 Yen /month
Auditor (科目等履修生)	9,800 Yen	28,200 Yen	14,800 Yen / credit

Note : This list is made up as of April, 2017

# How to Obtain a Visa (在留資格の取得)

It is necessary to obtain a Certificate of Eligibility for Status of Residence in order to enter Japan as a student. In order to obtain it there are 2 methods based on "Letter of Admission" issued by Tokushima University.

- 1 An applicant can apply for a visa at a Japanese Embassy or Consulate in his/her country .  
※ This method takes time to complete.
- 2 A deputy living in Japan can apply on behalf of an applicant at a local immigration bureau (Ministry of Justice) in Japan.  
※ This method is preferable when the time is limited.

日本の高等教育機関において、勉強するために留学生として入国する者は、入国の際に留学生としての在留資格『留学』を取得する必要があります。この在留資格を得るためには、本学が交付した『入学許可書』をもとに次の2通りの方法があります。

- 1 本人が直接日本の在外公館（大使館または領事館）で査証申請を行う方法  
※審査が完了するまでに相当の時間を要します。
- 2 日本国内に在住する本人との関係者（大学の職員、学費または滞在を支弁する者、親族など）が法務省地方入国管理局で本人に代わって申請を行う方法  
※入学手続等で時間が限られている場合はこの方法がよいと思います。

Eligibility for Status of Residence (Student) is defined as follows:  
(在留資格『留学』とは次のとおりです。)

Status (在留資格)	Activities permitted in Japan (本邦において行うことができる行動)	Duration (在留期間)
Student (留学)	Activities to receive an education at a university or an equivalent educational institution in Japan  { 本邦の大学またはこれに準ずる機関において教育を受け る活動 }	4 years and 3 months, 4 years, 3 years and 3 months, 3 years, 2 years and 3 months, 2 years, 1 year and 3 months, 1 year, 6 months, 3 months  { 4年3月, 4年, 3年3月, 3年, 2年3月, 2年, 1年3月, 1年, 6月, 3月 }

# Outlines of Graduate Schools (大学院の概要)

## Graduate School of Integrated Arts and Sciences (総合科学教育部)

(URL: <http://web.ias.tokushima-u.ac.jp/english/>)

To enhance integrated studies in the area of community development, the Graduate School of Human and Natural Environment Sciences was reorganized in 2009 and became the Graduate School of Integrated Arts and Sciences (Master's Program and Doctoral Program). The Master's Program includes study of Regional Sciences (Community Development, Environmental Symbiosis and Advanced Arts and Sciences) and Study of Clinical Psychology. The Doctoral Program includes study of Regional Sciences.

The Regional Sciences Program aims at training teachers, researchers and specialist professionals in community and urban planning on the basis of research in integrated sciences.

Established in 2003, the Clinical Psychology Studies Program aims at developing highly qualified clinical psychologists who have comprehensive understanding of Clinical Psychology and such related fields as Developmental Psychology, Cognitive Psychology and Physiopsychology. This Program also aims at providing more comprehensive psychological assistance to people in local communities who suffer from various mental problems.

大学院総合科学教育部は、人間・自然環境研究科を改組して、2009年4月に発足しました。博士前期課程は、地域科学専攻と臨床心理学専攻から構成され、一定の単位を修得した者には、修士の学位が授与されます。また博士後期課程は地域科学専攻からなり、博士（学術）の学位につながるものです。

地域科学専攻は、「地域創生」「環境共生」「基盤科学」の3分野からなり、「総合科学」の教育研究をさらに高度に促進しつつ、地域づくり・まちづくりの教育研究者・実務家を養成することを目指しています。

「臨床心理専攻」は、広範囲な臨床心理に関する知識と発達心理学、認知心理学、生理心理学に関する知識を有する高度な専門職業人（臨床心理士）の育成、ならびに包括的な心理的援助を地域住民に提供することを目指しています。



The Faculty of Integrated Arts and Sciences  
Building No.1

## Graduate School of Medical Sciences (医科学教育部)

(URL:<http://www.tokushima-u.ac.jp/med/english/graduate/medical/>)

The Graduate School of Medical Sciences has a 4-year doctoral and a 2-year master program of medicine consisting of the Faculty of Medicine, Institute for Enzyme Research, and Institute of Advanced Medical Sciences. There is an extensive cultural exchange not only between the divisions, but also among graduate schools at home and abroad.

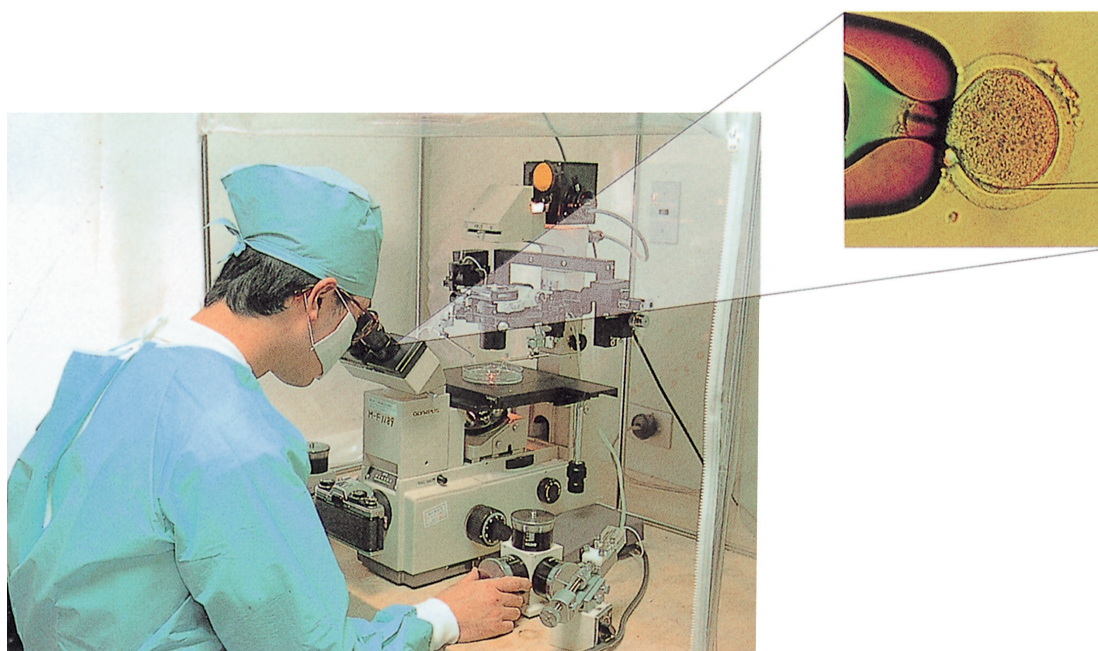
Since the task of the Graduate School is to foster “researchers with creativity who are independent to instruct others”, students will have elaborate daily lives seeking to become “professional researchers competing their research towards the world”.

This is the reason why personnel are consolidated and research facilities and the library are fully equipped. Many doctors playing an important role in the society at home and abroad are being bred.

大学院医科学教育部は、医学科の全講座と先端酵素学研究所で構成され、医学博士課程（4年）と医科学修士課程（2年）を有しています。研究に講座の垣根はなく、全ての講座・部門間はもとより内外の大学間に活発な大学院生の交流があります。

一方大学院の役目は“独創的な研究を行い、かつ、人の研究も指導できる自立した研究者”の育成ですので、院生の生活は必然的に研究一途の“世界相手に研究競争を行うプロの研究者”としての毎日になるでしょう。

そのための指導者陣もますます充実し、研究施設や図書館も完備されています。優れた研究業績が次々と発表され、内外で活躍する医学者が育っています。



Subzonal insemination

## Graduate School of Nutrition and Bioscience (栄養生命科学教育部)

(URL:<http://www.tokushima-u.ac.jp/med/english/graduate/nutrition/>)

In view of the growing importance of nutrition in promoting health and preventing diseases, the Japanese Ministry of Education and Ministry of Health and Welfare jointly decided to establish an academic center for education and research in nutritional science in the national university system. In 1964, Tokushima University was chosen to be the site for the new School of Nutrition. In 1969, the postgraduate course (2 years' master) was initiated and, in 1971, expanded by the addition of a three-year doctoral course, to establish a comprehensive Graduate School of Nutrition and Bioscience as it now stands.

The Graduate School of Nutrition and Biosciences consists of 4 subdivisions (Human Nutritional Science, Food Material and Function, Nutritional Neurology and Psychiatry and Space Nutrition) and 12 departments (Molecular Nutrition Science, Nutritional Physiology, Preventive Environment Nutrition, Food Function, Clinical Nutrition and Food Management, Metabolic Nutrition Science, Practical Nutrition Science, Material Application, Therapeutic Nutrition, Functional Design, Production Science, Treatment Nutrition Research, Space Nutrition).

The Graduate School is now recognized as the leading institution for education and research in nutritional science in Japan, and has been contributing greatly to achieving its initial purpose by preparing graduates to work in other universities, research institutes and nutrition-related companies and by exchanging students and many researchers worldwide.

大学院栄養生命科学教育部は、人間栄養科学専攻の大学院で、博士前期課程（2年）を修了すれば修士、さらに博士後期課程（3年）を修了すれば、博士の学位が与えられます。

この教育部は基幹講座の人間栄養科学講座と連携講座の機能素材開発学講座、精神・神経栄養学講座および宇宙栄養学講座の4講座12分野（分子栄養学、生体栄養学、予防環境栄養学、食品機能学、臨床食管理学、代謝栄養学、実践栄養学、疾患治療栄養学、素材応用学、機能設計生産学、治療栄養学研究、宇宙栄養学）で構成されています。

栄養生命科学教育部に入学する者は、これらのいずれかの研究室（分野）でそれぞれの分野の研究課題に取り組んで研究することとなります。

栄養生命科学教育部では、医学・歯学・薬学ならびに食品素材の応用開発研究を担当する独立行政法人食品総合研究所と連携し、人材の育成をするとともに、研究成果を通じた社会貢献により栄養学の発展に寄与するとともに、総合医療を理解した高度な専門知識を備えた職業人として医療機関や地域社会・産業分野で活躍できる人材の育成を担っております。

さらに、世界各国からの留学生や研究者の往来も盛んに行われ、栄養学の分野では一つの国際的研究センターとして更なる発展を続けています。



Measurement of basal metabolic rate (BMR). BMR is used to determine the energy requirement of humans.

## Graduate School of Health Sciences (保健科学教育部)

(URL:[http://www.tokushima-u.ac.jp/med/english/graduate/health\\_sciences/](http://www.tokushima-u.ac.jp/med/english/graduate/health_sciences/))

Graduate School of Health Sciences has 2-year masters and 3-year doctoral programs of the highest quality in Nursing Sciences, Biomedical Information Sciences and Medical Laboratory Sciences. Candidate for master's and doctor's degrees will be required to undertake a research program and submit a thesis for the final examination, in addition to course work. The thesis should embody the results of an investigation carried out by the candidate under supervision, which shows independence of thought and demonstrates the candidate's ability to carry out research in each field. In master course, degree offered from the graduate school is "Master of Nursing Sciences" or "Master of Health Sciences". In doctoral course, "Doctor of Philosophy in Health Sciences" will be offered.

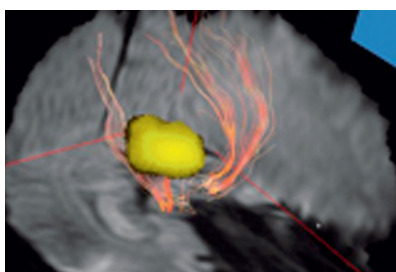
We welcome applications from students with backgrounds in Nursing Sciences, Biomedical Information Sciences and Medical Laboratory Sciences who aspire to obtain advanced skills and pursue original research in each of the above fields.

徳島大学大学院保健科学教育部は、看護学、医用情報科学および医用検査学の3領域からなる2年間の博士前期課程と、さらに生涯健康支援学、医用情報科学および医用検査学の3領域からなる3年間の博士後期課程があります。博士前期課程において、修士の学位を取得するためには講義、演習に加えて特別研究を実施し、最終試験として修士論文を提出する必要があります。修士論文は研究指導教員の指導の下に修士学生により実施された研究の結果を具体化したもので、独創性があり、修士学生が各々の領域で研究を実行できる能力を有していることを示すものであることが必要です。修士(看護学)または修士(保健学)のいずれかの学位が授与されます。博士後期課程は3領域4分野で構成されています。課程を修了し、申請した研究論文が審査に受ければ博士(保健学)の学位が授与されます。

看護学、医用情報科学ならびに医用検査学に関するバックグラウンドを持ち、さらに上記の領域の高度の技術を習得し、独創性のある研究をすることを熱望する学生の応募を歓迎いたします。



Nursing graduate students taking part in a course in methodology of nursing research



Tractography using magnetic resonance imaging examination. Disruption of neuronal fiber caused by infarction (yellow) can be observed clearly. Oocyte manipulation under a dissecting microscope



Oocyte manipulation under a dissecting microscope

## Graduate School of Oral Sciences (口腔科学教育部)

(URL:<http://www.tokushima-u.ac.jp/dent/english/>)

The objective of the educational programs in our Graduate School of Oral Sciences is to bring up international investigators in Dental Science who have highly creative research minds and technological skills.

Doctor Course of Oral Sciences (4-year programs) is composed of 20 departments. Degrees offered from the graduate school are “Doctor of Philosophy (Dental Science)” or “Doctor of Philosophy”.

Master’s Course of Oral Health Science (2-year programs) and Doctor’s Course of Oral Health Science (3-year programs) are composed of 6 departments. Degrees offered from the graduate school are “Master of Oral Health Science”, “Doctor of Oral Health Science” or “Doctor of Philosophy” .

Rapid growth of the aged in Japan will be predicted to bring a profound effect on this population who will suffer from a variety of diseases in the 21<sup>st</sup> century. Thus, the responsibility in dental science will be increasingly required to maintain oral health care in quality of life (QOL).

The Graduate School of Oral Sciences is to make progress and advance in basic and clinical dentistry, and to make efforts to train special scientists who are able to play worldwide roles in the various fields of Dental Science in the near future. Outstanding directors and excellent facilities make possible through research in Dental Science in our Graduate School of Oral Sciences.

大学院口腔科学教育部においては、歯科医学に関する独創的かつ高度な研究業績と専門知識を有する研究者の育成を目的としています。

口腔科学専攻博士課程（4年制）は20分野で構成される大学院で、所定の単位を修得し、研究論文が審査に合格すれば博士（歯学）または博士（学術）の学位が授与されます。口腔保健学専攻博士前期課程（2年制）と博士後期課程（3年制）はいずれも6分野で構成される大学院で、所定の単位を修得し、研究論文が審査に合格すればそれぞれ修士（口腔保健学）、博士（口腔保健学）または博士（学術）の学位が授与されます。

急速に高齢化する我国の21世紀においては有病者人口の増加が予測されています。従って、国民の口腔健康におけるQOLを維持するために歯科医学の果たすべき役割は益々重要となっています。

口腔科学教育部では臨床および基礎歯学の進歩・発展を目指し、歯科医学の各分野において活躍できる専門家の育成に努めています。優れた研究指導者と充実した施設による研究活動が可能となっています。



Department of Molecular Biology



Department of Orthodontics and  
Dentofacial Orthodontics

## Graduate School of Pharmaceutical Sciences (薬科学教育部)

(URL:<http://www.tokushima-u.ac.jp/ph/english/>)

### About Us

The Graduate School of Pharmaceutical Sciences trains professionals with capabilities in various fields of pharmaceuticals, which we named “Interactive YAKUGAGUJIN”. Its philosophy is to contribute to the progress in medicine through pharmaceuticals and to promote the welfare and health of humanity.

The Graduate School of Pharmaceutical Sciences offers two specialized fields of study. The two-year Master’s and three-year doctoral programs in the Course of Pharmaceutical Sciences aim to develop researchers and educators in the fields of drug discovery, development, and manufacture who have abilities and skills to meet today’s diverse medical needs and to be successful throughout the world. The four-year doctoral program in the Course of Pharmacy aims to educate leading pharmacists and clinical pharmacists who have a broad knowledge of medicine and high ethical standards, with the practical research ability to support the cutting-edge drug therapy.

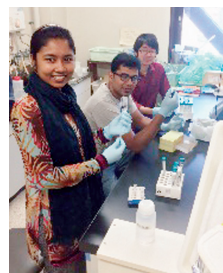
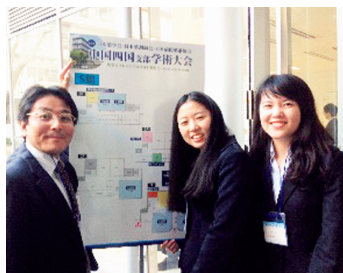
Both courses are designed to promote the systematic knowledge and the ability to carry out research in related fields through the unique curriculums and supervising by academic advisors. The goal of these programs is to develop competent professionals with both interdisciplinary skills and high expertise.

大学院薬科学教育部は、多様な薬学領域の様々な分野に対応可能な人材「インタラクティブ YAKUGAKUJIN」の育成を行い、薬を通じた医療の進歩と人類の福祉および健康の増進に寄与することを理念としています。

薬科学教育部は、生命科学を基盤とする創薬の分野において、多様化した医療ニーズに対応し、国際的に活躍する創薬・育薬・製薬の研究者・教育者の養成を目指した創薬科学専攻（博士前期課程（2年）＋博士後期課程（3年））と、医療における幅広い知識と倫理観を持ち、最先端の薬物治療を支える研究実践能力を備えた指導的薬剤師

や臨床薬剤師の養成を目指した薬学専攻（博士課程（4年））の2専攻から構成されています。

両専攻とも体系的な知識修得と関連分野への研究展開能力の向上を目的として、複数指導教員による研究指導体制や特徴のあるカリキュラム編成により、学際性を保ちつつ専門性を深化させた有為な人材の育成を行っています。



Our international students with their supervisors and laboratory members

We welcome students who are aspiring to study pharmaceutical sciences!



## **Integrated Interdisciplinary Health Care Graduate Program in English**

(統合医療学際教育英語プログラム)

### ◆ Program Overview ◆

This program is the English special graduate program offered by the integrated graduate schools of the Institute of Biomedical Sciences. These include the Graduate Schools of Medical Sciences, Oral Sciences, Pharmaceutical Sciences, Nutrition and Biosciences, Health Sciences and Institute of Advanced Medical Sciences. All these graduate schools and institute are concentrated in the Kuramoto Campus, one of the Japanese centers of excellence in bioscience research.

Conceived as an interdisciplinary program, it is intended to the graduate students from both developing and developed countries and aimed at developing the capacity of students for research and education. The program is also aimed at equipping the future leaders with multiple professional skills including vision development, strategic thinking, communication skills and partnership building. Finally, it is expected that students of this program acquire enough interdisciplinary knowledge to develop high expertise to tackle both local and global health problems of the 21<sup>st</sup> century.

### ◆ The program goal ◆

The main goal of the present program is to train talented students as specialists in various disciplines of biomedical sciences and enhance their capacity to serve as researchers, educators and managers not only their own countries but also the international community.

The objectives of the program are:

#### **1 To contribute to the international society by developing the capacity of future leaders of health care and biomedical sciences.**

The core curriculum titled “International Communication Studies” is aimed at developing the students know-how in their respective fields and at strengthening their linguistic competence. The curriculum also includes the “International Cooperation Studies”. Some subjects are taught by an expatriate teacher and the program encourages the enrollment of Japanese students to enhance their international communication competence.

#### **2 To train multi-competent specialists**

The multi-disciplinary core curriculum offers subjects of common interests to all graduate schools. Being completely taught in English, it is expected to produce specialists with high capacity and international competitiveness in research, education, and health care management.

#### **3 To make students benefit from the unique features of the course**

We offer an integrated interdisciplinary medical research program centered on “Food”, especially functional nutritional research, food safety evaluation, preventive medicine, and oral care management. The program also features fields of herbal medicine and traditional Chinese medicine.

## ◆概 要◆

健康生命科学諸領域を結集した統合生命科学系大学院における英語特別プログラムである。本プログラムでは、医学・歯学・薬学・栄養・保健学を統合した医療分野における学際的領域の教育と研究を中心テーマとして、発展途上国及び先進諸国から若い人材を招き、これらの領域における21世紀における課題についての教育を行い、かつ先進的研究を指導することにより、国際的な立場で活躍できる教育・研究者及び行政の専門家を養成することを目的とする。医・歯学から薬学、栄養学、保健学とともに疾患酵素学並びに疾患プロテオゲノム研究に及ぶバイオメディカルサイエンス分野の幅広い研究者が形成する研究拠点における高度な専門教育と共に、専門分野横断的かつ学際的な共通科目を受講することにより、広い視野を持つ国際的医療人を育成する。

## ◆目 的◆

本プログラムは、バイオメディカルサイエンスに関わる学際領域を含めた幅広い視野と、世界の最先端レベルの専門分野における学識を備えた修了生が、各専門分野での教育・研究者及び行政の専門家として出身国のみならず、国際的な協力機関で活躍することを目的とする。

### 1 国際社会貢献および指導者育成

医学、歯学、薬学、栄養学及び保健学の全専攻系に共通するコアカリキュラム科目「国際コミュニケーション学」を設けて、発信型言語能力の開発・強化を目指すとともに、国際協力学の授業を実施。

これらのコアカリキュラム科目は、外国人教員による授業担当を積極的に導入し、日本人学生にも履修の機会を与えることにより、日本人学生のグローバルリテラシーの強化を図るとともに、国際社会に対する貢献に指導的役割を果たす人材を育成する。

### 2 専門家の養成

医科学・口腔科学（博士課程：4年）／薬科学・栄養生命科学・保健科学（博士後期課程：3年）の各教育部における専門教育共通コアカリキュラム科目を設定し、英語での高度な専門分野、先進的な研究分野の研究能力を育成して、国際競争力のある教育・研究者及び行政の専門家を養成する。

### 3 特色あるプログラム

学際的教育研究領域として「食」を中心とした統合医療研究、とくに食品機能研究、食品の安全性評価と疾病予防、口腔機能管理学、さらに生薬学、漢方医学に及ぶ特色ある教育プログラムを提供する。

## Graduate School of Advanced Technology and Science (先端技術科学教育部)

(URL:[http://www.tokushima-u.ac.jp/e/english/graduate\\_school/](http://www.tokushima-u.ac.jp/e/english/graduate_school/))



The Graduate School of Advanced Technology and Science (GSATS) at Tokushima University offers Master's and Doctoral degrees in seven engineering disciplines. Each of these disciplines is taught by an independent Department. To take advantage of synergies between disciplines, GSATS is organized into three Colleges. The broad goals of each College and the Departments they incorporate are described below.

### ○ College of Intelligent Structures and Mechanics Systems Engineering

The College comprises the Departments of Civil and Environmental Engineering and Mechanical Engineering. Its focus is on training students that are able to produce intelligent structures and advanced mechanical systems. Information systems theory and environmental systems theory are also taught as they are necessary for development in the modern world. The

College aims to produce highly motivated students that can apply their knowledge to meet the infrastructural needs of society.

### ○ College of Life and Materials Systems Engineering

The College comprises the Departments of Chemical Science and Technology and Biological Science and Technology. It aims to produce engineers capable of solving the difficult environmental problems that face today's societies. Students will gain an appreciation of natural systems as well as the impacts that human activity has on them. The College strives to develop processes that meet society's material needs without impacting on the biosphere.

### ○ College of Systems Innovation Engineering

The College comprises the Departments of Electrical and Electronic Engineering, Information Science and Intelligent Systems, and Optical Systems Engineering. The goal of the College is to produce engineers capable of contributing to the modern information economy. A diverse range of technologies are the subject of inquiry, including electronic devices, information and optical circuits, and intelligent software. The College seeks to develop hardware, software, and network solutions for the increasingly sophisticated demands of society.



**[Master's Program]**

College	Department	Description
Intelligent Structures and Mechanics Systems Engineering	Civil and Environmental Engineering	Conducts research and education on the following topics from engineering, social and economic points of view: feasibility investigation, planning, analysis, design, construction, and maintenance/ management of civil engineering facilities for traffic, disaster prevention, environmental conservation, municipality and industry.
	Mechanical Engineering	Aims to train engineers to engage in research and development at companies or public research institutes with specialties in manufacturing and production of industrial products.
Life and Materials Systems Engineering	Chemical Science and Technology	Conducts research and education on a range of topics in science and technology including interdisciplinary fields such as design, composition and analysis of functional materials, and design theory and applications of process plants in chemical industry.
	Biological Science and Technology	Recruits overseas students with an interest in state-of-the-art biotechnologies. Trains students to be scientists/engineers in a range of bioengineering fields. Offers courses in fields such as molecular science of physical chemistry, organic chemistry, microbiology, biochemistry and gene technology.
Systems Innovation Engineering	Electrical and Electronic Engineering	Conducts research and education in the following four areas: materials science and devices, electric energy engineering, electrical and electronic systems, and intelligent networks and computer science.
	Information Science and Intelligent Systems	Conducts education and research in information science with a focus on intelligent information processing technologies to meet the demands of the current society.
	Optical Systems Engineering	Aims to train students to be researchers/engineers in the field of optical science and technology. The areas of education and research covered include photonics of optical materials and devices including inorganic crystals, organic polymers and semiconductors, lasers and nonlinear optics, nanophotonics, information photonics, biomedical optics, three-dimensional displays, medical imaging system, computer aided diagnosis system, photonic network. Considering the cross-disciplinarity of the field applicable to a wide range of research and development fields, the curriculum is designed to give students exposure to such specialties as materials science, device physics, and information system engineering.

**[Doctoral Program]**

College	Department	Description
Intelligent Structures and Mechanics Systems Engineering	Civil and Environmental Engineering	The department conducts research and education on the following topics from engineering, social and economic points of view: feasibility investigation, planning, analysis, design, construction, and maintenance/ management of civil engineering facilities for traffic, disaster prevention, environmental conservation, municipality and industry.
	Mechanical Engineering	The Department consists of the following four major divisions along with one cooperative division (Nano-Processing Engineering): Mechanical Science Division (materials science including metals, ceramics, composites and other materials); Mechanical Systems Division (fluid mechanics, thermodynamics, combustion engineering); Intelligent Mechanics Division (automatic control and measurement); and Production Systems Engineering (machining systems and machine tools).
Life and Materials Systems Engineering	Chemical Science and Technology	The Department consists of the following three major divisions. Synthetic and Polymer Chemistry Division: synthesis of specialty chemicals and functional materials through the application of chemistry; organic and polymer chemistry; structural analysis; and analysis of reaction analytical chemistry mechanisms. Physiochemistry and Material Science Division: physical chemistry; functional characteristics; promising materials. Chemical Process Engineering Division: fundamental theories and applied technology useful in chemical industries. Also, design of new functional materials and design of chemical reactors and process plants.
	Biological Science and Technology	The Department's mission is to incorporate engineering and life sciences to facilitate scientific discoveries and development of new bioengineering technologies through research and education. The curriculum aims to train students to be active scientists/engineers in various fields of bioengineering to solve some of the most challenging problems facing the world (e.g., problems of food, energy, environment, health).
Systems Innovation Engineering	Electrical and Electronic Engineering	The Department consists of the following four major divisions and one cooperative division (Electric Power): Materials Science and Devices Division (studies programs concerning electron devices, semiconductor photonic devices, functional inorganic materials, and plasma); Electric Energy Engineering Division (power system electromagnetic compatibility, power electronics, and mechatronics); Electrical and Electronic Systems Division (communication systems, biomedical electronics, and control system design); Intelligent Networks and Computer Science Division (digital IC design, analog circuit design, design and test of computers and mixed-signal circuits).
	Information Science and Intelligent Systems	The Department aims to train students to understand software and hardware technologies relevant to information science and industrial applications. Students will gain sophisticated computer skills, and an understanding of computer systems. They are also expected to learn the social background and contributions they can make to the society so that they can better cope with technological and social changes.
	Optical Systems Engineering	The department aims to train students to be researchers/engineers in the field of optical science and technology. The areas of education and research covered include photonics of optical materials and devices including inorganic crystals, organic polymers and semiconductors, lasers and nonlinear optics, nanophotonics, information photonics, biomedical optics, three-dimensional displays, medical imaging systems, computer aided diagnosis systems, photonic network. Because cross-disciplinarity is common in this field, the curriculum is designed to give students exposure to such specialties as materials science, device physics, and information system engineering.

平成 18 年 4 月の大学院重点化により、これまでの大学院工学研究科は改組され、新たに大学院先端技術科学教育部が設立されました。この教育部は、3 専攻 7 コースで構成された博士前期課程（修士課程）及び博士後期課程（博士課程）からなっています。各専攻の目的・目標及びそれぞれのコースの概要を次に示します。

#### ○知的力学システム工学専攻

社会基盤を構築する各種大型構造物や自動車・高速車両などに代表される機械は、建設工学、機械工学に関連する構造物である。これらの構造物の設計や製造、保全・補修は力学理論を基礎として行われる。最新の情報システムと環境システムを融合した高度な知的力学システムの発展が社会から要請されている。このような背景から、基礎的知識である力学的理論を学習した上で、豊かな人格と教養及び自発的意欲を持ち、知的力学システムを独創的に創造できる人材を養成することを目的とする。

#### ○物質生命システム工学専攻

現代の環境問題を精査してみると、大気圏、地圏、水圏環境などの生命及び地球環境の保全、食糧、化学物質、廃棄物などの物質循環、生物多様性の保全と同時に、時代とともに変化した生物多様性に適合する新たな生命環境、物質循環を創生する必要が生じている。このような背景から、従来型の環境保全から、積極的に環境創生に適する学生教育を実施するため、化学応用工学、生物工学の各専攻を横断的に融合させて、幅広い分野に関わる環境の問題点に積極的に対応できる人材の養成を目的とする。

#### ○システム創生工学専攻

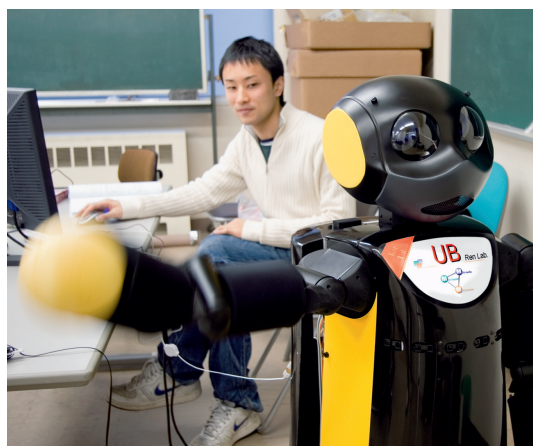
物性・材料・デバイス、電子回路、情報回路、光回路等の機器要素技術、知的ソフトウェア技術を融合した複雑なシステム構成を対象として、現代の情報社会の発展に寄与する人材の養成が社会から切望されている。このような背景から、デバイス、ハードウェア、ソフトウェア、ネットワーク等の基礎技術を体系的に教育したうえで、これらの技術を統合したシステムを創生することのできる総合的な人材を養成することを目的とする。



Information Room for International Students (OASIS)

【博士前期課程】

知的力学システム工学専攻	建設創造システム工学コース	社会的, 経済的, 工学的な広い視野に基づく交通施設, 防災施設, 環境保全施設, 都市・産業基盤施設などの調査・計画, 解析, 設計・施工及び維持管理に関する技術について研究と教育を行う。
	機械創造システム工学コース	民間企業や研究所における製品開発・生産技術開発などの開発研究部門及び国や自治体における各種の研究機関などで主に工業製品の生産・製造に関係する研究者・技術者の養成を目的とする。
物質生命システム工学専攻	化学機能創生コース	境界領域や新しい学術領域を加え, 各種物質・材料の高度機能の設計と合成, その基本的性質の解明及び化学工業における合理的なプロセス・プラントの設計理論と応用等を目指した科学技術分野の研究と教育を行う。
	生命テクノサイエンスコース	生命テクノサイエンスコースは, 最先端のバイオテクノロジーを勉強したい留学生を募集している。このコースの目的は, 多様な生物工学分野で活躍できる科学者や技術者の育成である。この目的のために, 物理化学, 有機化学, 微生物学, 生化学, 遺伝子工学など分子レベルの知識を基礎として, 多くの生物工学分野の研究を進めている。
システム創生工学専攻	電気電子創生工学コース	本コースでは, 物性デバイス, 電気エネルギー, 電気電子システム及び知能電子回路の4分野の教育と研究を行う。
	知能情報システム工学コース	現代社会の要請に対応し, 情報科学及び情報産業に十分適応し, 工業化社会とタイプを異にするソフトウェア技術, とりわけ知的情報処理技術に重点のおかれた情報科学の教育・研究を行う。
	光システム工学コース	光科学技術分野における新しい研究開発を創造できる技術者や研究者を育成するための教育と研究を行う。現在の主な教育研究の活動は, 有機材料, 無機材料, 半導体材料を含む光機能材料・光デバイス, レーザーと非線形光学, ナノフォトニクス, 情報フォトニクス, 生体医用光学, 医用イメージング, 計算機支援診断システム, フォトニックネットワークである。 光技術は, 横断的な技術として広範な研究開発分野に適用できるため, カリキュラムは, 物質科学, デバイス物理, 情報システムのような光科学技術に関連する幅広い専門教育を実施でき, 次世代に向けて光科学技術を革新できるような実践的な知識とスキルを身につけられる構成となっている。



Researching on a robot capable of communicating with humans.



New measurement of optical response.

【博士後期課程】

知的力学システム工学専攻	建設創造システム工学コース	社会的、経済的、工学的な広い視野に基づく交通施設、防災施設、環境保全施設、都市・産業基盤施設などの調査・計画、解析、設計・施工及び維持管理に関わる技術について研究と教育を行う。
	機械創造システム工学コース	本コースは、機械科学、機械システム、知能機械学及び生産システムの4大講座及び連携講座のナノプロセッシング工学講座からなる。機械科学講座では、機械の基盤をなす材料に関する分野を、機械システム講座では生活基盤となるエネルギー利用に関する分野、知能機械学講座では、機械の運動の制御と知能を備えた機械の構築や計測に関連する分野を、そして生産システム講座では、機械を使った生産加工に関する分野を担当している。
物質生命システム工学専攻	化学機能創生コース	本コースは、物質合成化学、物質機能化学、及び化学プロセス工学の3大講座からなる。物質合成化学講座では、有機化合物・高分子物質の合成、構造解析、反応機構の解明などの基礎科学とその手法を応用して、高付加価値物質、高機能性材料の合成について教育・研究している。物質機能化学講座では、分析化学、物理化学の手法を用いて、物質が有する多様な性質・機能について調べ、それらに基づいた物質材料の有効な利用方法について教育・研究している。化学プロセス工学講座は、化学工業における製造プロセスの開発、装置およびプラントの設計・保全ならびに新しい材料の機能設計に関する基礎理論と応用技術について教育・研究している。
	生命テクノサイエンスコース	生命テクノサイエンスコースの使命は、研究と教育を通して、学問的な発見や新しいバイオテクノロジーの創成を進める工学と生命科学の融合を図ることである。このコースでは、現在世界が直面している困難な問題、すなわち食糧、エネルギー、環境、健康問題の解決をめざす、国際的に多様な生物工学の分野で活躍できる科学者や技術者を育成することを目的としている。
システム創生工学専攻	電気電子創生工学コース	本コースは、物性デバイス、電気エネルギー、電気電子システム、知能電子回路の4大講座と、電力エネルギー連携講座からなる。物性デバイス講座では、電子デバイス、光半導体デバイス、無機機能材料、プラズマ物性などについて教育・研究を行う。電気エネルギー講座では、電力系統電磁環境、パワーエレクトロニクス、メカトロニクスなどについて教育・研究を行う。電気電子システム講座では、情報通信システム、医用生体工学、制御システム設計などについて教育・研究を行う。知能電子回路講座では、集積システム設計、電子情報システム設計などについて教育・研究を行う。
	知能情報システム工学コース	進展の著しい情報科学及び情報産業に十分適応し得る、ソフトウェアならびにハードウェア技術を身につけ、システム全体を大局的に把握し、知的で創造的な手法によってコンピュータを使いこなす高度技術者を育成する。そのために、単なるノウハウとしての技術ではなく、社会的背景と貢献を十分に考慮した技術を学ぶことによって、将来の技術的・社会的変化に対応できるようにする。将来にわたって有効な基礎学力を中心とした体系的な学問と、それらを応用する力を身につけた人材を養成する。
	光システム工学コース	<p>光科学技術分野における新しい研究開発を創造できる技術者や研究者を育成するための教育と研究を行う。現在の主な教育研究の活動は、有機材料、無機材料、半導体材料を含む光機能材料・光デバイス、レーザーと非線形光学、ナノフォトニクス、情報フォトニクス、生体医用光学、医用イメージング、計算機支援診断システム、フォトニックネットワークである。</p> <p>光技術は、横断的な技術として広範な研究開発分野に適用できるため、カリキュラムは、物質科学、デバイス物理、情報システムのような光科学技術に関連する幅広い専門教育を実施でき、次世代に向けて光科学技術を革新できるような実践的な知識とスキルを身につけられる構成となっている。</p>



## An Introduction to the Global Double-Degree Program (国際連携大学院)

The Global Double-Degree Program was launched in the Graduate School of Advanced Technology and Science. In this program, students pursue double degrees organized between Tokushima University and one of its 14 international partner institutions; Korea Maritime and Ocean University and Dong-Eui University in Korea; Harbin Institute of Technology, Tongji University, Beijing University of Posts and Telecommunications, Xi'an Jiaotong University, Dalian University of Technology and Nantong University, Beihang University in China; Florida Atlantic University in USA; INSA Toulouse in France; Southern Taiwan University of Science and Technology and National Taiwan University of Science and Technology in Taiwan; Universiti Teknikal Malaysia Melaka in Malaysia. This program aims to train students to become specialized engineers/researchers who can actively work in an international environment using state-of-the-art research training activities.

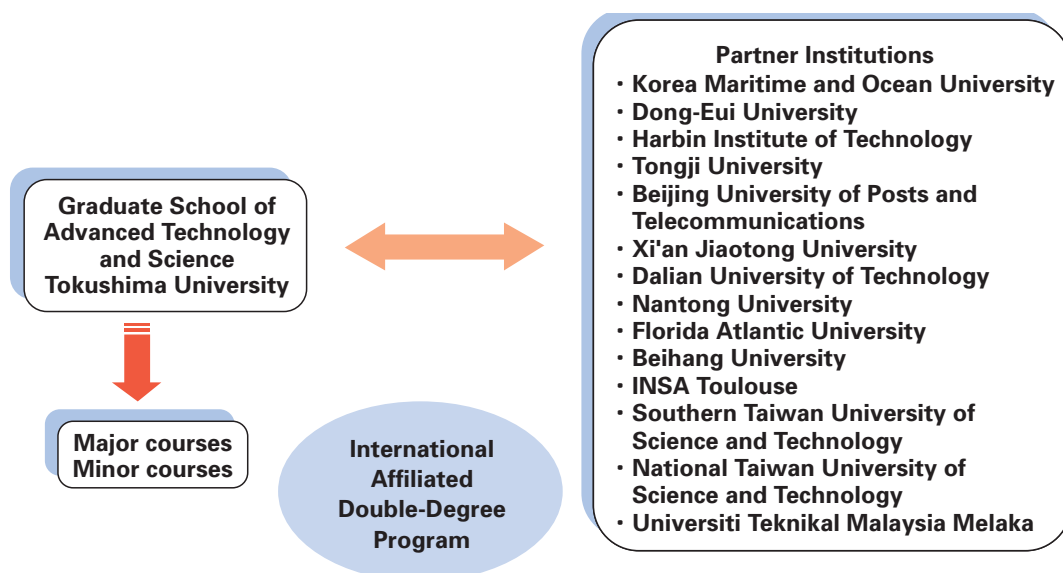
One of the unique features of this program is that the curricula of the existing major courses have been arranged to establish three minor courses: nano-technology engineering, bio-information engineering and environment control engineering. We hope to foster a type of engineer/researcher who has a broad knowledge, in addition to his/her major, and the ability to think flexibly while acquiring two degrees, one from Tokushima University and one from an overseas partner institution.

As a part of the global Double-Degree Program, a short summer school course is held every August; summer school lectures are conducted in English.

徳島大学大学院先端技術科学教育部は韓国海洋大学校（韓国）、東義大学校（韓国）、哈爾濱工業大学（中国）、同濟大学（中国）、北京郵電大学（中国）、西安交通大学（中国）、大連理工大学（中国）、南通大学（中国）、北京航空航天大学（中国）、フロリダアトランティック大学（アメリカ）、トゥールーズ工科大学（フランス）、南台科技大学（台湾）、国立台湾科技大学（台湾）およびマレーシアマラッカ技術大学（マレーシア）の14大学と共同して学位の取得を目指すグローバル大学院工学教育プログラムを実施しています。この教育プログラムでは、学生が本学および上記いずれかの大学に在籍し、最先端の科学技術を学びます。これにより、国際的に活躍する高度な技術者・研究者の養成を目指します。

グローバル大学院工学教育プログラムには、ナノテクノロジー応用工学コース、バイオ情報応用工学コース、地圏環境制御工学コースのマイナーコースを開設しています。これら3つのコースを介して、関係する各外国大学と連携を行います。設置された3つのコースは、既存の主専攻分野のカリキュラムを横断的に組み直したものです。主専攻以外の分野の科目を体系的に履修させ、幅広い知識と柔軟な思考能力をもった人材を育成するメジャー・マイナー履修制度による複数学位（ダブル・ディグリー）の取得を目標としています。

短期集中コースを実施しており、毎年8月にサマースクールを開講しています。これらのいずれのコースも英語で授業を行います。



## Institute of Advanced Medical Sciences (先端酵素学研究所)

(URL: <http://www.iams.tokushima-u.ac.jp/>)

Tokushima University, also known as University of Tokushima, has a long history of advanced medical sciences. Miyoshi muscular dystrophy and adjuvant disease were discovered here. Immunoproteasomes, hepatocyte growth factor, and cathepsin L as well as many other disease-related human molecules have their home in our campus. In 1961, the medical school of Tokushima University founded three laboratories of enzyme research, which successfully formed Institute for Enzyme Research in 1987. In 1998, Institute for Genome Research was founded to extend medical research to focus on genome functions. In 2010, Diabetes Therapeutics and Research Center was formed to overcome the diabetes by creating platform for the collaborations between clinical and basic researchers. In 2013, Fujii Memorial Institute of Medical Sciences was founded in memory of Professor Setsuro Fujii, one of the founding professors of original enzyme research laboratories. In 2016, the University has decided to merge these four institutes to form the Institute of Advanced Medical Sciences, in order to facilitate multi-disciplinary and trans-omic studies for advanced medical sciences. The Institute currently hosts 17 laboratories as follows.

### Laboratories of Genomics and Epigenomics

Division of Genome Medicine  
Division of Epigenome Dynamics

### Laboratories of Proteomics and Cell Signals

Division of Protein Expression  
Division of Disease Proteomics  
Division of Cell Signaling

### Laboratories of Systems Integration

Division of Embryology  
Division of Experimental Immunology  
Division of Molecular Biology  
Division of Inflammation Biology

### Laboratories of Systems Pathogenesis

Division of Enzyme Pathophysiology  
Division of Molecular Neurobiology  
Division of Molecular Immunology  
Division of Molecular Medicine

### Laboratories of Disease Regulation

Division of Immune Regulation  
Division of Pathology and Metabolism for Infectious Disease and Host Defense  
Division of Molecular Endocrinology  
Division of Diabetes Therapeutics

徳島大学は2016年、「先端酵素学研究所」を新設しました。先端酵素学研究所は、1961年設立の「医学部附属酵素研究施設」に端を発する「疾患酵素学研究センター」と「疾患プロテオゲノム研究センター」を統合するとともに、「藤井節郎記念医科学センター」と「糖尿病臨床・研究開発センター」を附属施設とする、新しい研究所です。徳島大学先端酵素学研究所は、上記4研究センターの統合により、酵素をはじめとするタンパク質の分子機能研究を基盤に、ゲノムから個体に至る生命情報を統合的に理解する先端的な基礎医学研究を推進し、国際的に先導的な成果を発信していくことで、健康長寿社会の実現に向けた難治性疾患および慢性疾患、とりわけ免疫難病と糖尿病、の根本的理解と治療法の開発を目指しています。またそのため、文部科学省の「共同利用・共同研究拠点事業」および「トランスオミクス医学研究拠点ネットワーク形成事業」に参画しています。先端酵素学研究所は、教員60名の担う次の17研究分野を擁しています。

### 遺伝子染色体制御研究分野群

ゲノム制御学分野  
エピゲノム動態学分野

### 蛋白質細胞情報研究分野群

蛋白質発現分野  
疾患プロテオミクス研究分野  
細胞情報学分野

### システム統御研究分野群

発生生物学分野  
免疫系発生学分野  
生体機能学分野  
炎症生物学分野

### システム病態研究分野群

病態システム酵素学分野  
神経変性病態学分野  
免疫病態学分野  
免疫アレルギー学分野

### 疾患制御研究分野群

免疫制御学分野  
生体防御病態代謝分野  
分子内分泌学研究分野  
糖尿病診療分野

# University Library (附属図書館)

(URL:<http://www.lib.tokushima-u.ac.jp/>)

The University Library consists of the main library on Josanjima Campus and Life Sciences Library on Kuramoto Campus.

It does the service in order to support education and research.

- 1 Every year, we purchase about 7,000 books at both libraries. There are a lot of books to study Japanese and the Japanese culture, too.
- 2 You can borrow five books in the reading room for two weeks.
- 3 We have online catalog freely available on our web site.
- 4 There are many personal computers by which you can access the Internet and write papers.
- 5 The latest articles can be searched by using the databases such as SciFinder and CiNii. Moreover, about 60,000 kinds of electronic journals can be used.
- 6 When the book and the journal you are looking for are not in the library, you can obtain photocopies or borrow books from other libraries.
- 7 You can stay in touch with our latest news by subscribing to our free email newsletter (In Japanese). Sign up on the web page.
- 8 Please feel free to call on us at anytime.



◎ **Library hours**……The library open for the semester period every day.

	Semester period			University Vacations period	
	Mon-Fri.	Sat.	Sun./National Holiday	Mon.-Fri.	Sat
Main	8:30 ~ 22:00	10:00 ~ 17:00	10:00 ~ 17:00	8:30 ~ 17:00	10:00 ~ 17:00
Life Sciences	8:30 ~ 21:00	10:00 ~ 17:00	10:00 ~ 17:00	8:30 ~ 17:00	10:00 ~ 17:00

◎ **Closed days**

Sunday and National holidays in University Vacations period, Consecutive holidays of May, During campus holidays in August, The end and the beginning of the year (Dec. 28 - Jan. 4), the second Friday morning of each month (except for April, July, January, February)

常三島キャンパスに本館, 蔵本キャンパスに蔵本分館があり, 教育・研究を支援するためのサービスを行っています。

- 1 本分館合わせて毎年約7,000冊の図書を新しく書架に並べています。日本語や日本文化を勉強するための本もたくさんあります。
- 2 閲覧室にある図書は5冊14日間借りられます。
- 3 図書・雑誌の所蔵検索 (OPAC) は図書館ホームページから24時間利用できます。
- 4 館内にはインターネットにアクセスしたり, 論文を作成したりできるパソコンが多数あります。
- 5 SciFinder, CiNii等の文献データベースを利用して, 最新学術論文の検索ができます。また, 約60,000種の電子ジャーナルが利用できます。
- 6 本学にない図書や雑誌が必要な場合は, 他機関からの取寄せ (ILLサービス) が利用できます。
- 7 図書館の最新情報をメールマガジンでお届けしています。ぜひ登録してください。
- 8 資料や論文の入手方法など, 職員に相談してください。



◎ **開館時間**……授業期間中は毎日開館しています。

	授業期			休業期	
	月～金	土	日・祝	月～金	土
本館	8:30 ~ 22:00	10:00 ~ 17:00	10:00 ~ 17:00	8:30 ~ 17:00	10:00 ~ 17:00
分館	8:30 ~ 21:00	10:00 ~ 17:00	10:00 ~ 17:00	8:30 ~ 17:00	10:00 ~ 17:00

◎ **休館日**

学生休業期間中の日曜・祝日, 5月の連休, 8月の徳島大学夏季一斉休業日, 年末年始 (12月28日～1月4日), 蔵書整理日 (毎月第2金曜日の午前中。ただし4・7・1・2月を除く)



# International Center (国際センター)

(URL:<http://www.isc.tokushima-u.ac.jp/english>)

The International Center provides following education and supports for international students, Japanese students and local residents:

## 1. Education and Support for International Students

- (1) Japanese Language Programs for International Students
  - ① Intensive Japanese Language Course
  - ② Zengaku (University-wide) Japanese Language Course for International Students/ Researchers
  - ③ Japanese Language and Culture for advanced-level Students in Institute of Liberal Arts and Sciences
  - ④ Japanese for Job Hunting/Business Communication
- (2) Advising and Consulting for International Students
- (3) Supports for International Alumni Associations
- (4) Support for International Students' Job Hunting in Japan

## 2. Education and Support for Internationalization of Japanese Students and Local Residents and Japanese Language Pedagogy Education

- (1) Activities to Promote Interaction between International Students and Japanese Students
- (2) Summer School
- (3) Student and Local Resident Supporters

## 3. Student Support in Study Abroad Program and Risk Management

- (1) Study abroad consultation
- (2) Study abroad information provision
- (3) Tobitate! Study Abroad Initiative guidance

## 4. Support for International Students' Hands-on Learning on Japanese Culture and Society

- (1) Study Tour in Japanese Companies
- (2) Experiential Tours on Japanese Culture, etc.



国際センターは、以下の活動を行っています。

### 1. 留学生に対する教育・支援

- (1) 留学生に対する日本語教育
  - ① 日本語研修コース (集中)
  - ② 全学日本語コース
  - ③ 教養教育院「日本語・日本事情」「国際交流の扉を拓く」
  - ④ 就活のための日本語
- (2) 生活相談支援
- (3) 留学生同窓会に対する支援
- (4) 留学生に対する就職支援

### 2. 日本人学生および地域に対する日本語教育・国際化支援

- (1) 留学生と日本人学生の交流支援
- (2) サマースクール
- (3) 学生・地域サポーター制度

### 3. 日本人学生の海外留学支援・危機管理

- (1) 海外留学相談
- (2) 海外留学情報発信 (グローバル・スペース, SNS)
- (3) 「トピタテ! 留学 JAPAN」 指導

### 4. 留学生に対する日本文化・社会体験学習

- (1) 国内企業見学
- (2) 日本文化体験旅行など



# International House (留学生宿舎)

(URL:[http://www.isc.tokushima-u.ac.jp/english/02\\_admissions/05\\_housing\\_in\\_tokushima/](http://www.isc.tokushima-u.ac.jp/english/02_admissions/05_housing_in_tokushima/))

The International House of Tokushima University was established to contribute to the promotion of International exchange by providing foreign students and researchers with accommodation.

## OUTLINE

Name	Tokushima University International House	
Address	9-1 Aza Hacchono Higashi, Takabo, Kitajima-cho, Itano-gun, Tokushima-ken 771-0206	
Structure	Four-storied reinforced concrete building (Rooms for Singles) Three-storied reinforced concrete building (Rooms for Families & Couples)	
Opened	April 1, 1995	
Capacity	32 Single Rooms	(32 persons)
	15 Couple Rooms	(30 persons)
	3 Family Rooms	(12 persons)
Name	The International House of NICHIA-KAIKAN of Tokushima University	
Address	2-24, Shinkura-cho, Tokushima 770-8501	
Structure	Four-storied reinforced concrete building	
Opened	April 1, 2006	
Capacity	30 Single Rooms	(30 persons)

徳島大学留学生宿舎は、国際貢献の促進に寄与するため、外国人留学生及び外国人研究者に宿舎を提供するとともに、国際交流に役立てることを目的として設置されました。

## 概 要

名 称	徳島大学国際交流会館
所 在 地	〒771-0206 徳島県板野郡北島町高房字八丁野東9-1
構 造	単身棟 鉄筋コンクリート4階建 世帯棟 鉄筋コンクリート3階建
開 館	平成7年4月1日
収容定員	単身室32室32名 夫婦室15室30名 家族室3室12名

名 称	徳島大学日亜会館留学生宿舎
所 在 地	〒770-8501 徳島市新蔵町2-24
構 造	鉄筋コンクリート4階建
開 館	平成18年4月1日
収容定員	単身室30室30名

Application must be submitted in Jan. or in Jul. to the International Affairs Division.

募集時期 原則として1月、7月の年2回です。  
入居申込み 国際課へ申し込んで下さい。

## Tokushima University International House



International House

### Rooms for Singles (单身室)



Room



Room

## The International House of NICHIA-KAIKAN of Tokushima University



The International House  
of NICHIA-KAIKAN



Courtyard



Room

# International Exchange Agreements (University-Wide)

## 学術交流協定締結校（大学間協定）

平成 29 年 5 月 1 日現在

As of May 1, 2017

	協定校名 Affiliated University	国・地域名 Country/Region	締結年月日 Date concluded	授業料不徴収* Tuition Waiver
1	オークランド大学 The University of Auckland	ニュージーランド New Zealand	1988.10.27	○
2	哈爾濱工業大学 Harbin Institute of Technology	中国 China	1989.11.8	○
3	フロリダアトランティック大学 Florida Atlantic University	アメリカ合衆国 America	1995.3.31	○
4	武漢大学 Wuhan University	中国 China	1995.10.9	○
5	ガジャマダ大学 Gadjah Mada University	インドネシア Indonesia	1996.8.22	○
6	慶北大学校 Kyungpook National University	韓国 Korea	1998.10.28	○
7	韓国海洋大学校 Korea Maritime and Ocean University	韓国 Korea	2001.5.9	○
8	吉林大学 Jilin University	中国 China	2002.7.2	○
9	テキサス大学ヒューストンヘルスサイエンスセンター The University of Texas, Health Science Center at Houston	アメリカ合衆国 USA	2002.11.27	—
10	西安交通大学 Xi'an Jiaotong University	中国 China	2003.8.25	○
11	南通大学 Nantong University	中国 China	2005.9.5	—
12	バーゼル大学 University of Basel	スイス Switzerland	2005.12.20	—
13	北京郵電大学 Beijing University of Posts and Telecommunications	中国 China	2006.4.4	—
14	ゴンドール大学 University of Gondar	エチオピア Ethiopia	2007.6.28	○
15	モンゴル国立医科大学 Mongolian National University of Medical Sciences	モンゴル Mongolia	2007.10.5	○ (医・歯・薬)
16	同済大学 Tongji University	中国 China	2008.2.12	○
17	南京大学 Nanjing University	中国 China	2008.10.21	○
18	ハノーバー医科大学 Hannover Medical School	ドイツ Germany	2009.3.15	○
19	モナシュ大学 Monash University	オーストラリア Australia	2009.7.22	—
20	マレーシアサイエンス大学 University Sains Malaysia	マレーシア Malaysia	2009.12.7	—
21	ソウル国立大学校 Seoul National University	韓国 Korea	2011.10.25	—
22	サビトリバイプーレブネ大学 Savitribai Phule Pune University	インド India	2013.11.21	○
23	マレーシア工科大学 Universiti Teknologi Malaysia	マレーシア Malaysia	2013.12.13	○
24	マレーシア国民大学 Universiti Kebangsaan Malaysia	マレーシア Malaysia	2014.3.3	—
25	四川大学 Sichuan University	中国 China	2014.4.20	○
26	マラヤ大学 University of Malaya	マレーシア Malaysia	2014.4.30	○
27	国立台湾科技大学 National Taiwan University of Science and Technology	台湾 Taiwan	2014.6.27	—
28	マレーシアマラッカ技術大学 Universiti Teknikal Malaysia Melaka	マレーシア Malaysia	2014.9.22	○
29	ムハマディア大学 Universitas Muhammadiyah yogyakarta	インドネシア Indonesia	2015.6.2	—
30	ドンズー日本語学校 Dong Du Japanese Language School	ベトナム Vietnam	2016.1.19	—
31	ベトナム国立栄養院 National Institute of Nutrition	ベトナム Vietnam	2016.3.30	—
32	ベトナム国立農業大学 Vietnam National University of Agriculture	ベトナム Vietnam	2016.10.30	○
33	キングモンクット工科大学トンブリ King Mongkut's University of Technology Thonburi	タイ Thailand	2016.12.2	○
34	ボルドー大学 University of Bordeaux	フランス France	2016.12.21	○
35	ダナン大学 The University of Da Nang	ベトナム Vietnam	2017.3.20	○

\* The tuition waiver is applied to non-degree students who enroll in Tokushima University based on agreement/MoU  
授業料不徴収は協定／覚書に基づく交換留学生（非正規生）に適用する。



# International Exchange Agreements (Faculty-Level)

## 学術交流協定締結校（部局間協定）

平成 29 年 5 月 1 日現在  
As of May 1, 2017

	部局 Faculty/Institute	国・地域名 Country/Region	協定校名 Affiliated University	締結年月日 Date concluded	授業料不徴収* Tuition Waiver
1	総合科学部 Faculty of Integrated Arts and Sciences	台湾 Taiwan	国立嘉義大学人文芸術学院 National Chiayi University	2012.11.1	○
2		台湾 Taiwan	育達科技大学人文社会学院 Yu Da University of Science and Technology	2015.5.28	○
3		台湾 Taiwan	開南大学 KaiNan University	2016.7.29	○
4		中国 China	復旦大学国際文化交流学院 Fudan University	2000.8.3	—
5		カナダ Canada	ビショップス大学 Bishop's University	2013.12.13	○
6		スウェーデン Sweden	ルンド大学 Lund University	2012.4.18	○
7		ポルトガル Portugal	レイリア工科学院 Polytechnic Institute of Leiria	2015.5.20	○
8		ラトビア Latvia	ラトビア農業大学 Latvia University of Agriculture	2016.3.16	—
9		ラトビア Latvia	ラトビア大学 University of Latvia	2017.3.13	○
10	医学部 Faculty of Medicine	ネパール Nepal	トリブバン大学 Tribhuvan University	2012.12.12	—
11		アメリカ合衆国 USA	タフツ大学人間栄養学加齢研究センター Human Nutrition Research Center on Aging at Tufts University	2002.3.14	—
12	フィンランド Finland	メトロポリア応用科学大学 Metropolia University of Applied Sciences	2011.11.8	○	
13	医学部 大学院栄養生命科学教育部 Faculty of Medicine, Graduate School of Nutrition and Bioscience	韓国 Korea	延世大学校バイオメディカル・エンジニアリング研究部 Institute of Biomedical Engineering, Yonsei University at Wonju	2012.8.29	○
14		韓国 Korea	延世大学校スペース・バイオサイエンス研究部 Institute of Space Bioscience, Yonsei University at Wonju	2012.8.29	○
15	医学部 大学院保健科学教育部 Faculty of Medicine, Graduate School of Health Sciences	フィリピン Philippines	セントポール大学フィリピン St. Paul University Philippines	2016.12.5	○
16		タイ Thailand	プリンスオブソングクラ大学 Prince of Songkla University	2016.11.25	○
17		インドネシア Indonesia	ハントゥアー大学 Hang Tuah University	2012.6.1	—
18	スルタンアグンイスラミック大学 The Sultan Agung Islamic University		2014.1.8	—	
19	ハサヌディン大学 Hasanuddin University		2014.4.8	—	
20	韓国 Korea		朝鮮大学校歯科大学 Chosun University (College of Dentistry)	1997.6.13	—
21	歯学部 Faculty of Dentistry	中国 China	中国医科大学口腔医学院 School of Stomatology, China Medical University	2008.4.17	○
22		中国 China	上海交通大学医学院附属第九人民医院 Ninth People's Hospital Medical School of Shanghai jiao Tong University	2010.6.25	—
23		フィンランド Finland	メトロポリア応用科学大学 Metropolia University of Applied Sciences	2010.8.16	○
24		チリ Chile	フィニス テラー工大学 The Finis Terrae University	2013.11.15	○
25	薬学部 Faculty of Pharmaceutical Sciences	韓国 Korea	東國大学校薬学大学 College of Pharmacy, Dongguk University	2012.12.21	—
26		中国 China	大理大学 Dali University	2010.3.24	○
27		中国 China	天津医科大学薬学院 Tianjin Medical University School of Pharmacy	2011.3.7	○
28		アメリカ合衆国 USA	ノースカロライナ大学チャペルヒル校エッセルマン薬学部 The University of North Carolina at Chapel Hill	2009.1.27	○
29		イタリア Italy	ミラノ大学 The University of Milan	2013.9.9	○
30		インド India	ジャダプール大学 Jadavpur University	2015.2.25	○
31		インドネシア Indonesia	スマトラ・ウタラ大学 University of Sumatera Utara	2016.5.24	—
32	薬学部 大学院薬科学教育部 Faculty of Pharmaceutical Sciences, Graduate School of Pharmaceutical Sciences	中国 China	中国科学院広西植物研究所 Guangxi Institute of Botany, Chinese Academy of Science	2017.1.30	—
33	大学院理工学研究部 Institute of Science and Technology	アメリカ合衆国 USA	コロラド大学ボルダー校 The University of Colorado at Boulder	2016.3.28	—
34	大学院先端技術科学教育部 Graduate School of Advanced Technology and Science	中国 China	大連理工大学 Dalian University of Technology	2012.5.29	○
35		ドイツ Germany	ラインマイン応用科学大学 Rhein Main University of Applied Sciences	2002.7.29	○
36		インド India	ノースマハラシュトラ大学 North Maharashtra University	2014.5.4	○
37	理工学部 Faculty of Science and Technology	インド India	ドクターババサヘブアンベドカルマラツワダ大学理学部 Dr. Babasaheb Ambedkar Marathwada University	2013.3.15	○
38		インド India	バラティ ビドゥヤペース ディームド大学 Bharati Vidyapeeth Deemed University	2014.10.13	○
39	理工学部 Faculty of Science and Technology	台湾 Taiwan	南台科技大学 Southern Taiwan University of Science and Technology	2010.3.11	○
40		韓国 Korea	東義大学校大学院 Dong-eui University	2008.12.15	○
41		中国 China	北京航空航天大学自動化科学電気工程学院 Beihang University, School of Automation Science and Electrical Engineering	2011.8.22	○
42		フランス France	トゥールーズ工科大学 Institut National des Sciences Appliquées de Toulouse	1993.4.22	○
43	埋蔵文化財調査室 Archaeological Heritage Management Office	韓国 Korea	東亜大学校考古美術史学科 Dong-A University	2015.7.22	—

\* The tuition waiver is applied to non-degree students who enroll in Tokushima University based on agreement/MoU  
授業料不徴収は協定/覚書に基づく交換留学生（非正規生）に適用する。

# Number of Foreign Students at Tokushima University

## (徳島大学外国人留学生在籍状況)

As of May 1, 2017

Area (地域)	Country・Region (国・地域名)	Undergraduate (学部学生)	Graduate (大学院生)	Research Student (研究生等)	Total (合計)
Asia (アジア)	Taiwan (台湾)		9 (3)	4 (1)	13 (4)
	Korea (韓国)		9 (3)		9 (3)
	China (中国)	6 (1)	91 (32)	25 (15)	122 (48)
	Mongolia (モンゴル)		19 (12)	1 (1)	20 (13)
	India (インド)		5 (2)		5 (2)
	Thailand (タイ王国)		1 (1)		1 (1)
	Bangladesh (バングラデシュ)		10 (6)		10 (6)
	Cambodia (カンボジア)	1			1
	Vietnam (ベトナム)	3 (1)	8 (3)	2 (1)	13 (5)
	Indonesia (インドネシア)		5 (4)		5 (4)
	Malaysia (マレーシア)	4	10 (5)		14 (5)
North America (北米)	Canada (カナダ)		1	2 (2)	3 (2)
Middle East (中東)	Syria (シリア)		1		1
Europe (欧州)	France (フランス)			1	1
	Kazakhstan (カザフスタン)			1	1
	Sweden (スウェーデン)			4 (1)	4 (1)
Africa (アフリカ)	Egypt (エジプト)		6 (2)		6 (2)
	Morocco (モロッコ)	1 (1)			1 (1)
	Mozambique (モザンビーク)		1		1
	Nigeria (ナイジェリア)		1		1
	Rwanda (ルワンダ)		1		1
	Sudan (スーダン)		1 (1)		1 (1)
	Madagascar (マダガスカル)	1 (1)			1 (1)
<b>Total (合計)</b>	<b>23 Countries 23 カ国</b>	<b>16 (4)</b>	<b>179 (74)</b>	<b>40 (21)</b>	<b>235 (99)</b>

The parentheses show the numbers of women.

( ) 内は女子で内数

# Profile of Tokushima Prefecture (徳島県の概要)

(URL:<http://www.pref.tokushima.jp/english/>)

1. POPULATION (徳島県人口)	748,979
(Details) (内 訳)	
Tokushima City (徳島市)	258,191
Naruto City (鳴門市)	58,456
Komatsushima City (小松島市)	38,173
Anan City (阿南市)	72,209
Yoshinogawa City (吉野川市)	40,859
Awa City (阿波市)	36,529
Mima City (美馬市)	29,934
Miyoshi City (三好市)	26,113
Other Areas (その他)	188,515

(As of January 1, 2017)



Awaodori (Traditional dance)

## 2. LOCATION (位置)

Tokushima Prefecture is located in the eastern part of Shikoku Island, with north and south divided by the Shikoku Mountain Range. Bounded by the Seto Inland Sea in the north, Kii Channel in the east and the Pacific Ocean in the South, the area is 4,147 square km, 80% mountainous. Mt. Tsurugi is the highest peak in Tokushima Prefecture, 1,955 meters above the sea. People enjoy mountain climbing, camping and skiing at Mt. Tsurugi. The Yoshino River, at a length of 194 km, is one of the three grand rivers in Japan. There are many riverside resorts for yachting and gathering shells.

徳島県は四国の東部に位置し、四国山脈により南北に分けられています。北は瀬戸内海、東は紀伊水道、南は太平洋に囲まれています。総面積4,147 km<sup>2</sup>のうち80%が山地になっています。剣山は徳島で一番高い山（標高は1,955 m）です。ここでは登山やキャンプ、スキーが楽しめます。

また、川では日本三大暴れ川の1つで全長194 kmの吉野川が流れており、ヨットや潮干狩りを楽しむことができます。

## 3. CLIMATE (気候)

Tokushima has three climate regions, northern, southern and western. The climate in the northern part of the prefecture is known as Setouchi climate, and average yearly rainfall is 1,200 mm, low for Japan. On the other hand, southern Tokushima Prefecture has the most rainfall in Japan, 3,000 mm. Western Tokushima is mountainous, with much snow in winter. There are four seasons in Japan: spring, summer, fall and winter. From the middle of June to early July we have a rainy season with much humidity called "Tsuyu", peculiar to Japan. Tokushima Prefecture is located on about the same latitude as Xian, Baghdad, Casablanca and Atlanta. The annual rainfall and average temperature are below.

徳島県の気候は北部・南部・西部の気候区分に分かれます。北部は瀬戸内気候と呼ばれ、年間降水量は1,200mm、日本の少雨地域の一つとなっています。一方、南部は日本の最多雨地域で降水量はおよそ3,000mmあります。西部は、冬季には雪の多い山岳気候となっています。徳島の気候は温暖で、自然環境に恵まれた景勝の地であります。

なお、日本には、春・夏・秋・冬と四季がありますが6月中旬から7月上旬には梅雨（つゆ）といって雨と湿気の多い日本独特の時期があります。また、徳島県は西安、バグダッド、アトランタなどどだいたい同じ緯度にあります。

# Professors and Their Research Interests (教授名, 研究題目等)

## Graduate School of Integrated Arts and Sciences 総合科学教育部

URL(<http://pub2.db.tokushima-u.ac.jp/ERD/organization/185666/index-en.html>)

### Master Course 博士前期課程

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Community Development Studies	ARATAKE Tatsuro	Modern Chinese History
	ISHIDA Kazuyuki	Analysis on local tax policy, fiscal health, and local government budgeting
	ISHIDA Motohiro	Text Mining, Applied Statistics
	UENO Kayoko	Sociology of Social Problems. Comparative Studies of Child Abuse in US and Japan.
	KISHIE Sinsuke	Sociolinguistic Research in West Japan Dialects
	SATO Mitsuhiro	Junior sports and play in a community, Disabilities and body activity
	TAKAHASHI Shin-ichi	Folk Cultures in East Asia, Urban Cultures
	TAMA Shinnosuke	Rural Economy and Regional planning
	TOYODA Tetsuya	Economic Geography and Urban Studies
	NAKAMURA Yutaka	Archeology of Japan and East Asia
	HIRAI Shogo	Geography of Modern Rural Chawges and Migration
	HIRAKI Mitsuru	Study of Painting Expression
	MIURA Hajime	Exercise Physiology, Cardiovascular Responses During Various Physical Activities
	YAMAGUCHI Tetsuo	Musculoskeletal injury and preventive medicine
	YOSHIDA Atsuya	Community Technology, Interaction Design, Learning Resources & Information
YOSHIMORI Kensuke	Medieval Chinese History	
Environmental Symbiosis Studies	IMAI Shoji	Applied Spectroscopy, Atomic Apectrometry, Trace Analysis
	OOHASHI Makoto	Molecular Analysis of Leucocyte Chemotactic Factors
	OYAMA Yasuo	Pharmacological and toxicological studies on cell functions using fluorescent probes
	KURISU Satoshi	Environmental Politics, Politics
	HAMANO Tatsuo	Aquabiology, Stock-enhancement
	MAKABE Kazuhiro	Molecular and evolutionary developmental biology of lower chordates
	MATSUO Yoshinori	Genetic and Molecular Biology of the Mechanism of Evolution
	MAYUMI Kozo	Natural Resources, Environmental Economics, Energy Analysis, Epistemology in Economic Science
	YOKOIGAWA Kumio	Structure and function of Microbial Enzymes
	WATANABE Minoru	Morecular Biology, Developmental Biology

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Advanced Studies in Arts and Sciences (the Humanities Course)	TAKUBO Hiroshi	18th-19th century British culture and literature Narrative theory
	MIYAZAKI Takayoshi	Thomas Hardy and Other Victorian Novelists
	YORIOKA Ryuji	Contemporary German Literature, Comparative Culture
Advanced Studies in Arts and Sciences (Integrated Natural, Computer and Material Sciences)	IZAWA Kenichi	Theoretical Elementary Particle Physics, Physical Cosmology
	ISHIDA Keisuke	Paleozoic and Mesozoic Stratigraphy, Microfossil Geology, Geological Setting of Shikoku
	IMAI Shoji	Applied Spectroscopy, Atomic Apectrometry, Trace Analysis
	OHBUCHI Akira	Projective Models of Abelian Varieties
	OGASAWARA Masamichi	Design and preparation of organometallic compounds and their uses in stereoselective organic synthesis
	ONO Kosuke	Nonlinear Analysis
	KATAYAMA Shin-ichi	Algebraic Number Theory (Especially on Class Numbers and Units)
	KOYAMA Kuniyuki	Physical Properties of Low-Dimensional Strongly Correlated Electron Systems, Superconductivity and Magnetism
	SAITO Takahito	Solid State Physics
	FUSHIMI Kenichi	Experimental studies of nuclear and particle rate decays, neutrino and cosmic dark matter
	MAGISHI Koichi	Superconductivity and Mognetism in Strongly Correlated Electron System
	MIYOSHI Norikazu	Development of Novel and Efficient Methods in Organic Synthesis
	MURAKAMI Kouichi	Stability and Bifurcation Theory of Differential Equations
	MURATA Akihiro	Geological Structures of the Shimanto Terrane, Active faults in and around Tokushima Prefecture
MORIYASU Kazumine	Stability and Bifurcation for Cr-maps	
Clinical Psychology	UEOKA Yoshinori	Psychological Assessments for Support and Intervention
	SATO Kenji	Clinical and Social Psychology, of Traume, Anxiety, Depression and Sociability
	SATO Yutaka	Experimental Cognitive and Perceptual Psychology
	YAMAMOTO Mayumi	Approach to the Developmental Disorders

#### Doctoral Course 博士後期課程

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Regional Sciences	ISHIDA Kazuyuki	Analysis on local tax policy, fiscal health, and local government budgeting
	IMAI Shoji	Applied Spectroscopy, Atomic Apectrometry, Trace Analysis
	UENO Kayoko	Sociology of Social Problems. Comparative Studies of Child Abuse in US and Japan.
	OGASAWARA Masamichi	Design and preparation of organometallic compounds and their uses in stereoselective organic synthesis
	TAKAHASHI Shin-ichi	Folk Cultures in East Asia, Urban Cultures
	HAMANO Tatsuo	Aquabiology, Stock-enhancement

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Regional Sciences	MAKABE Kazuhiro	Molecular and evolutionary developmental biology of lower chordates
	MATSUO Yoshinori	Genetic and Molecular Biology of the Mechanism of Evolution
	MAYUMI Kozo	Natural Resources, Environmental Economics, Energy Analysis, Epistemology in Economic Science
	MIURA Hajime	Exercise Physiology, Cardiovascular Responses During Various Physical Activities
	MIYAZAKI Takayoshi	Thomas Hardy and Other Victorian Novelists
	YOKOIGAWA Kumio	Structure and function of Microbial Enzymes
	YORIOKA Ryuji	Contemporary German Literature, Comparative Culture

## Graduate School of Medical Sciences 医科学教育部

URL(<http://pub2.db.tokushima-u.ac.jp/ERD/organization/148410/index-en.html>)

Master Course 修士課程

Medical Science (医科学専攻)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Anatomy and Developmental Neurobiology	TOMITA Koichi	Investigation of the mechanisms involved in cortical development and sensory processing in the visual system
Pediatrics	KAGAMI Shoji	Pediatric nephrology, cardiology, hematology, neurology, endocrinology and metabolism
Obstetrics and Gynecology	IRAHARA Minoru	Reproductive medicine and endocrinology, Women's health care, Gynecologic oncology
Cell Biology	YONEMURA Shigenobu	Molecular mechanism of epithelial polarization, mechanobiology of 3-D morphogenesis through adherens junctions
Gastroenterology and Oncology	TAKAYAMA Tetsuji	Molecular analysis of gastrointestinal cancer, chemotherapy and chemoprevention of gastrointestinal cancer
Experimental Immunology	TAKAHAMA Yousuke	Understanding how Tcell repertoire is formed in health and disease.
Immune Regulation	OKAZAKI Taku	Elucidation of the regulatory mechanisms of autoimmunity and cancer immunity
Preventive Medicine	ARISAWA Kokichi	Environmental epidemiology, Epidemiology of chronic disrupters
General Medicine	TANI Kenji	Community Medicine, Rheumatology, Respiriology
Immunology and Parasitology	YASUTOMO Koji	Immunology, T-cell development. Cell differentiation, Human genetics
Microbiology	NOMAGUCHI Masako	Molecular genetics of human and simian immunodeficiency viruses, Structural virology
Anatomy and Cell Biology	TSURUO Yoshihiro	Functional morphology of endocrine cells, Neurosteroids and sexual differentiation
Integrative Physiology	SEI Hiroyoshi	Integrative Neuronal Physiology, Sleep and biological clock, Behavioral control of CNS, Cardiovascular and respiratory control of CNS
Psychiatry	OHMORI Tetsuro	Psychiatry, Psychosomatic medicine, Psychopharmacology
Neurosurgery	to be appointed	Cerebrovascular disease, Brain tumor, Functional neurosurgery

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Molecular Biology	OYADOMARI Seiichi	Endoplasmic reticulum stress in health and disease
Medical Informatics	to be appointed	a-Learning, Hospital IT management, Simulation, Other medical IT related fields
Pharmacology	TAMAKI Toshiaki	Renal pharmacology, Cardiovascular pharmacology, Oxidative Stress, Nitrite
Anesthesiology	TANAKA Katsuya	Electrophysiology and electropharmacology of the heart, Ventriculo-arterial coupling, Transesophageal echocardiography, Effects of anesthetics on cytosolic Ca concentrations during myocardial ischemia
Nephrology	DOI Toshio	Nephrology, Diabetic Nephropathy
Emergency and Critical Care Medicine	NISHIMURA Masaji	Mechanical ventilation, Ventilator-induced lung injury, Acute stroke care, Infection control
Department of Clinical Pharmacology and Therapeutics	ISHIZAWA Keisuke	Cardiovascular pharmacology, Neuropharmacology, Management of Chemotherapy-induced side effects
Ophthalmology	MITAMURA Yoshinori	Ocular infections, Keratoprosthesis, Glaucoma, Uveitis, Diabetic retinopathy, Vitrectomy, Orbital diseases, Strabismus
Otorhinolaryngology and Communicative Neuroscience	TAKEDA Noriaki	Neurotology, Neurolaryngology, Head and neck surgery
Neurology	KAJI Ryuji	Pathophysiology of movement disorders, Physiology of nerve conduction, Molecular genetics of neurological diseases
Molecular Pathology	SAKASHITA Naomi	Cell Biology of Macrophage, Lipid Metabolism, Amyloidosis, General Pathology
Digestive Surgery and Transplantation	SHIMADA Mitsuo	FACS Regenerative medicine: Transplantation (liver, pancreas and islet cell), Hepatic regeneration Oncology: Molecular biology based clinical oncology (carcinogenesis, organotrophism), Development of a new minimum invasive surgery
Cardiovascular Surgery	KITAGAWA Tetsuya	Pediatric cardiac surgery, Surgery for acquired cardiovascular disease, Vascular surgery, and Lymphology, Cellular biology of allograft valve, Pulmonary blood flow, Cardioplegia
Urology	KANAYAMA Hiro-omi	Renal cell carcinoma. Bladder cancer. Tumor invasion and metastasis, Molecular targeted therapy, Laparoscopic surgery, Pediatric urology, Andrology
Cardiovascular Medicine	SATA Masataka	Cardiology, Atherosclerosis, Coronary Intervention, Regenerative Medicine, Stem Cell
Pathology and Laboratory Medicine	TSUNEYAMA kouichi	General pathology, Cancer pathology, Liver pathology, Environmental pathology, Allergy and autoimmune diseases, Metabolic syndrome-related diseases
Radiology and Radiation Oncology	HARADA Masafumi	Mapping of the function and metabolism using MRI, MRS, and RI, Clinical utility of 3-D medical images
Respiratory Medicine and Rheumatology	NISHIOKA Yasuhiko	Lung cancer. Cancer metastasis, Molecular targeted therapy, Interstitillung disease. Bronchial asthma. Immunotherapy, Rheumatology
Thoracic Endocrine Surgery and Oncology	TANGOKU Akira	Esophageal cancer, lung cancer, breast cancer and thyroid cancer therapy. Less invasive surgery. Pathophysiology of postoperative state
Forensic Medicine	NISHIMURA Akiyoshi	Forensic pathology, Neuropathology
Dermatological Science	KUBO Yoshiaki	Skin carcinogenesis, Molecular diagnosis, Stem cell, Hair biology, Cutaneous physiology, Differentiation mechanism of the skin

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Orthopedics	SAIRYO Koichi	Bone lengthening, Distraction osteogenesis
Plastic and Reconstructive Surgery	HASHIMOTO Ichiro	Microsurgery for tissue transplantation, Microcirculation of skin flap, perforator flap, Lymph edema
Institute for animal Experimentation	MATSUMOTO Takahiro	
Biochemistry	SASAKI Takuya	Int racellular signal transduction, Molecular mechanisms of vesicle transport and cytoskeletal control
Human Genetics	IMOTO Issei	Molecular human genetics, Genetic disease, Oncology, Common disease. Epigenetics, Bioinformatics
Hematology, Endocrinology and Metabolism	ABE Masahiro	Endocrinology, Metabolism, Hematology, Vascular biology, Bone biology, Gerontology
Pathophysiology	ROKUTAN Kazuhito	Post-transcriptional regulation of Stress-related genes, stress genomics
Genetic Information	MINEGISHI Yoshiyuki	Identify causing genes of immunodeficiencies and elucidate molecular mechanisms underlying allergic diseases
Genome Medicine	KATAGIRI Toyomasa	Investigation of molecular mechanisms underlying carcinogenesis through comprehensive human genome analysis
Epigenome Dynamics	TACHIBANA Makoto	Investigation of molecular mechanisms of epigenetic gene regulation
Disease Proteomics	TANIGUCHI Hisaaki	Mass Spectrometry, Proteomics, Protein 3D-Structure
Molecular Immunology	MATSUMOTO Mitsuru	Autoimmune disease, Lymphoid organogenesis, Transgenic mouse, Knockout mouse
Molecular Neurobiology	SAKAGUCHI Suehiro	Prion protein signaling, Molecular pathogenesis of prion diseases, Prion vaccines
Molecular Genetics	SAITOH Tatsuya	Understanding and manipulation of inflammation
Enzyme Pathophysiology	FUKUI Kiyoshi	Translational Enzymology on D-Amino Acid Metabolism and Apoptosis Systems

**Doctoral Course 博士課程**  
**Medical Sciences (医学専攻)**

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Anatomy and Developmental Neurobiology	TOMITA Koichi	Investigation of the mechanisms involved in cortical development and sensory processing in the visual system
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Obstetrics and Gynecology	IRAHARA Minoru	Reproductive medicine and endocrinology, Women's health care, Gynecologic oncology
Cell Biology	YONEMURA Shigenobu	Molecular mechanism of epithelial polarization, mechanobiology of 3-D morphogenesis through adherens junctions
Gastroenterology and Oncology	TAKAYAMA Tetsuji	Molecular analysis of gastrointestinal cancer, chemotherapy and chemoprevention of gastrointestinal cancer
Experimental Immunology	TAKAHAMA Yousuke	Understanding how Tcell repertoire is formed in health and disease.
Immune Regulation	OKAZAKI Taku	Elucidation of the regulatory mechanisms of autoimmunity and cancer immunity
Preventive Medicine	ARISAWA Kokichi	Environmental epidemiology, Epidemiology of chronic disrupters



Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Medical Education	AKAIKE Masashi	Simulation-based medical education, Inter professional education
General Medicine	TANI Kenji	Community Medicine, Rheumatology, Respiriology
Immunology and Parasitology	YASUTOMO Koji	Immunology, T-cell development. Cell differentiation, Human genetics
Microbiology	NOMAGUCHI Masako	Molecular genetics of human and simian immunodeficiency viruses, Structural virology
Anatomy and Cell Biology	TSURUO Yoshihiro	Functional morphology of endocrine cells, Neurosteroids and sexual differentiation
Integrative Physiology	SEI Hiroyoshi	Integrative Neuronal Physiology, Sleep and biological clock, Behavioral control of CNS, Cardiovascular and respiratory control of CNS
Psychiatry	OHMORI Tetsuro	Psychiatry, Psychosomatic medicine, Psychopharmacology
Neurosurgery	to be appointed	Cerebrovascular disease, Brain tumor, Functional neurosurgery
Molecular Biology	OYADOMARI Seiichi	Endoplasmic reticulum stress in health and disease
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Emergency and Critical Care Medicine	NISHIMURA Masaji	Mechanical ventilation, Ventilator-induced lung injury, Acute stroke care, Infection control
Department of Clinical Pharmacology and Therapeutics	ISHIZAWA Keisuke	Cardiovascular pharmacology, Neuropharmacology, Management of chemotherapy-induced side effects
Ophthalmology	MITAMURA Yoshinori	Ocular infections, Keratoprosthesis, Glaucoma, Uveitis, Diabetic retinopathy, Vitrectomy, Orbital diseases, Strabismus
Otorhinolaryngology and Communicative Neuroscience	TAKEDA Noriaki	Neurotology, Neurolaryngology, Head and neck surgery
Neurology	KAJI Ryuji	Pathophysiology of movement disorders, Physiology of nerve conduction, Molecular genetics of neurological diseases
Molecular Pathology	SAKASHITA Naomi	Cell Biology of Macrophage, Lipid Metabolism, Amyloidosis, General Pathology
Digestive Surgery and Transplantation	SHIMADA Mitsuo	FACS Regenerative medicine: Transplantation (liver, pancreas and islet cell), Hepatic regeneration Oncology: Molecular biology based clinical oncology (carcinogenesis, organotrophism), Development of a new minimum invasive surgery
Minimum-invasion and Tele-mentoring Surgery	IMURA Satoru	
Cardiovascular Surgery	KITAGAWA Tetsuya	Pediatric cardiac surgery, Surgery for acquired cardiovascular disease, Vascular surgery, and Lymphology, Cellular biology of allograft valve, Pulmonary blood flow, Cardioplegia
Urology	KANAYAMA Hiro-omi	Renal cell carcinoma. Bladder cancer. Tumor invasion and metastasis, Molecular targeted therapy, Laparoscopic surgery, Pediatric urology, Andrology

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Cardiovascular Medicine	SATA Masataka	Cardiology, Atherosclerosis, Coronary Intervention, Regenerative Medicine, Stem Cell
Pathology and Laboratory Medicine	TSUNEYAMA Kouichi	General pathology, Cancer pathology, Liver pathology, Environmental pathology, Allergy and autoimmune diseases, Metabolic syndrome-related diseases
Radiology and Radiation Oncology	HARADA Masafumi	Mapping of the function and metabolism using MRI, MRS, and RI, Clinical utility of 3-D medical images
Respiratory Medicine and Rheumatology	NISHIOKA Yasuhiko	Lung cancer. Cancer metastasis, Molecular targeted therapy, Interstitillung disease. Bronchial asthma. Immunotherapy, Rheumatology
Thoracic Endocrine Surgery and Oncology	TANGOKU Akira	Esophageal cancer, lung cancer, breast cancer and thyroid cancer therapy. Less invasive surgery. Pathophysiology of postoperative state
Forensic Medicine	NISHIMURA Akiyoshi	Forensic pathology, Neuropathology
Dermatological Science	KUBO Yoshiaki	Skin carcinogenesis, Molecular diagnosis, Stem cell, Hair biology, Cutaneous physiology, Differentiation mechanism of the skin
Orthopedics	SAIRYO Koichi	Bone lengthening, Distraction osteogenesis
Plastic and Reconstructive Surgery	HASHIMOTO Ichiro	Microsurgery for tissue transplantation, Microcirculation of skin flap, Perforator flap, Lymph edema
Biochemistry	SASAKI Takuya	Int racellular signal transduction, Molecular mechanisms of vesicle transport and cytoskeletal control
Human Genetics	IMOTO Issei	Molecular human genetics, Genetic disease, Oncology, Common disease. Epigenetics, Bioinformatics
Hematology, Endocrinology and Metabolism	ABE Masahiro	Endocrinology, Metabolism, Hematology, Vascular biology, Bone biology, Gerontology
Pathophysiology	ROKUTAN Kazuhito	Post-transcriptional regulation of Stress-related genes, stress genomics
Genetic Information	MINEGISHI Yoshiyuki	Identify causing genes of immunodeficiencies and elucidate molecular mechanisms underlying allergic diseases
Genome Medicine	KATAGIRI Toyomasa	Investigation of molecular mechanisms underlying carcinogenesis through comprehensive human genome analysis
Molecular Function Analysis	HORIKAWA Kazuki	
Epigenome Dynamics	TACHIBANA Makoto	Investigation of molecular mechanisms of epigenetic gene regulation
Pathology and Metabolome Research for Infectious Disease and Host Defense	KIDO Hiroshi	Medical Application of Proteases and Its Inhibitors, Mucosal Vaccination, Allergy, Mechanism of Influenza Virus Infection
Disease Proteomics	TANIGUCHI Hisaaki	Mass Spectrometry, Proteomics, Protein 3D-Structure
Molecular Immunology	MATSUMOTO Mitsuru	Autoimmune disease, Lymphoid organogenesis, Transgenic mouse, Knockout mouse
Molecular Neurobiology	SAKAGUCHI Suehiro	Prion protein signaling, Molecular pathogenesis of prion diseases, Prion vaccines
Molecular Genetics	SAITOH Tatsuya	Understanding and manipulation of inflammation
Enzyme Pathophysiology	FUKUI Kiyoshi	Translational Enzymology on D-Amino Acid Metabolism and Apoptosis Systems
Genomics	TANIGAMI Akira	
Space Medical Science	ISHIOKA Noriaki	
Imaging Probe Sciences	TAKAHASHI Kazuhiro	
Molecular Imaging Sciences	WATANABE Yasuyoshi	

## Graduate School of Nutrition and Bioscience 栄養生命科学教育部

URL(<http://pub2.db.tokushima-u.ac.jp/ERD/organization/148408/index-en.html>)

### Master Course 博士前期課程

#### Nutrition and Bioscience (人間栄養科学専攻)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Molecular Nutrition Science	MIYAMOTO Ken-ichi	Mineral and bone/kidney metabolism, Nutritional biochemistry of calcium, phosphorus and amino acids, Physiological regulation of phosphate transporters
Nutritional Physiology	NIKAWA Takeshi	Space biology, mechano-biology, and mitochondrial biology of skeletal muscle, Functional foods in space, Chrono-nutrition of skeletal muscle, Structural biology
Food Science	KAWAI Yoshichika	Molecular mechanism of oxidative stress-related chronic diseases, Physiological functions of dietary polyphenols and other antioxidants
Metabolic Nutrition Science	SAKAUE Hiroshi	Diabetes and cardiovascular disease, Exercise physiology, Adiposceince, Clinical Nutrition
Preventive Environment Nutrition	TAKAHASHI Akira	Pathogenicity of Food poisoning bacteria
Clinical Nutrition and Food Management	TAKETANI Yutaka	Nutritional assessment and management of life-style related diseases, Evaluation and development of functional foods in humans, Metabolism of calcium / phosphorus / vitamin D and dietary management of ageing, osteoporosis and chronic kidney disease, Dietary habit and palatability
Public Health and Applied Nutrition	SAKAI Tohru	Nutritional Immunology, Mucosal Immunity, Tumor and Nutrition, Public Health Nutrition
Therapeutic Nutrition	HAMADA Yasuhiro	Research of nutrition support team, Clinical research for medical nutrition, Protein energy wasting in patients with chronic kidney disease

### Doctoral Course 博士後期課程

#### Nutrition and Bioscience (人間栄養科学専攻)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Molecular Nutrition Science	MIYAMOTO Ken-ichi	Mineral and bone/kidney metabolism, Nutritional biochemistry of calcium, phosphorus and amino acids, Physiological regulation of phosphate transporters
Nutritional Physiology	NIKAWA Takeshi	Space biology, mechano-biology, and mitochondrial biology of skeletal muscle, Functional foods in space, Chrono-nutrition of skeletal muscle, Structural biology
Food Science	KAWAI Yoshichika	Molecular mechanism of oxidative stress-related chronic diseases, Physiological functions of dietary polyphenols and other antioxidants
Metabolic Nutrition Science	SAKAUE Hiroshi	Diabetes and cardiovascular disease, Exercise physiology, Adiposceince, Clinical Nutrition
Preventive Environment Nutrition	TAKAHASHI Akira	Pathogenicity of Food poisoning bacteria
Clinical Nutrition and Food Management	TAKETANI Yutaka	Nutritional assessment and management of life-style related diseases, Evaluation and development of functional foods in humans, Metabolism of calcium / phosphorus / vitamin D and dietary management of ageing, osteoporosis and chronic kidney disease, Dietary habit and palatability
Public Health and Applied Nutrition	SAKAI Tohru	Nutritional Immunology, Mucosal Immunity, Tumor and Nutrition, Public Health Nutrition
Therapeutic Nutrition	HAMADA Yasuhiro	Research of nutrition support team, Clinical research for medical nutrition, Protein energy wasting in patients with chronic kidney disease

## Graduate School of Health Sciences 保健科学教育部

URL(<http://pub2.db.tokushima-u.ac.jp/ERD/organization/131051/index-en.html>)

Master Course 博士前期課程

Health Sciences (保健学専攻)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Advanced Nursing	LOCSIN Rozzano	Technology and Caring in Nursing, Art and Aesthetics in Nursing, International Nursing Practice
	IWASA Yukie	Nursing education, Nursing physiology
	TANIOKA Tetsuya	Outcome Management, Psychiatric & Mental Health Nursing
Well-being Nursing	TAMURA Ayako	Adult nursing, Critical nursing, Rehabilitation nursing
	ONISHI Chiemi	Oncology nursing, Medical-surgical nursing
	IWAMOTO Saori	Public Health Nursing, Community Health Nursing
	OKUDA Kikuko	School nursing and health education
	TANI Hiroe	Child and family nursing, Family care nursing
Health and Medical Care	TOMOTAKE Masahito	Mental Health, Psychological Medicine
	MORI Kenji	Medicine on Developmental Disabilities
	KONDO Kazuya	Estimating QOL of the patients with cancer using patient related QOL questionnaire
Women's Health・Midwifery	KISHIDA Sachi	Women's health, Maternity nursing and fertility nursing
	HAKU Mari	Midwifery, Midwifery Education, Breastfeeding
	YASUI Toshiyuki	Reproductive Medicine, Perimenopausal Medicine
Medical Information Science and Engineering	YOSHINAGA Tetsuya	Medical image reconstruction, Biological engineering, Nonlinear dynamical system
	SAKAMA Minoru	Radioanalytical chemistry, nuclear chemistry and nuclear physics, radiological protection, environmental radioactivity
	MORITA Akinori	Radiation Biology, Molecular Oncology
Radiological Science	UENO Junji	Diagnostic Radiology, Body Imaging, Clinical Utility of 3-D Medical Images
	OTSUKA Hideki	Nuclear Medicine, Molecular Imaging, Magnetic Resonance in Medicine
	IKUSHIMA Hitoshi	Radiation Oncology, Radiation Therapy Technology
Advanced Medical Technology Science	ENDO Itsuro	Translational and clinical research for Endocrine disorder and Metabolic bone diseases
	KATAOKA Keiko	Commensal bacteria and human health, Host-bacteria interaction in opportunistic infection, Prebiotics and disease prevention
	KAGAWA Noriko	Human pathology, Progressive muscular dystrophy, Autopsy
	HOSOI Eiji	Genetic analysis of the ABO blood group, Mechanisms of expression of ABO blood group antigens, Ca <sup>2+</sup> signal transduction system in immune cells
	YASUI Toshiyuki	Reproductive Medicine, Perimenopausal Medicine
	KONDO Kazuya	Molecular research for thoracic malignancies-lung cancer, thymoma, etc

Doctoral Course 博士後期課程  
Health Sciences (保健学専攻)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Lifelong Health Nursing	LOCSIN Rozzano	Technology and Caring in Nursing, Art and Aesthetics in Nursing, International Nursing Practice
	IWASA Yukie	Nursing education, Nursing physiology
	TAMURA Ayako	Adult nursing, Critical nursing, Rehabilitation nursing
	TANIOKA Tetsuya	Outcome Management, Psychiatric & Mental Health Nursing
	ONISHI Chiemi	Medical-Surgical nursing, Oncology nursing
	IWAMOTO Saori	Public Health Nursing, Community Health Nursing
	HAKU Mari	Midwifery, Development of Midwifery care model
	TANI Hiroe	Child and family nursing, Family care nursing
Lifelong Health and Medical Science	YASUI Toshiyuki	Reproductive Medicine, Perimenopausal Medicine
	TOMOTAKE Masahito	Mental Health, Psychological Medicine
	MORI Kenji	Medicine on Developmental Disabilities
	KONDO Kazuya	Molecular research for thoracic malignancies-lung cancer, thymoma, etc
Biomedical Information Sciences	YOSHINAGA Tetsuya	Medical image reconstruction, Medical engineering, Medical imaging equipment, Nonlinear dynamical system
	SAKAMA Minoru	Radioanalytical chemistry, nuclear chemistry and nuclear physics, radiological protection, environmental radioactivity
	IKUSHIMA Hitoshi	Radiation Oncology, Radiation Therapy Technology
	OTSUKA Hideki	Nuclear Medicine, Molecular Imaging, Magnetic Resonance in Medicine
	UENO Junji	Diagnostic Radiology, Body Imaging, Clinical utility of 3-D medical images
	MORITA Akinori	Radiation biology, Molecular oncology
Pathophysiological Laboratory Sciences	ENDO Itsuro	Translational and clinical research for Endocrine disorder and Metabolic bone diseases
	KATAOKA Keiko	Commensal bacteria and human health, Host-bacteria interaction in opportunistic infection, Probiotics and disease prevention
	KAGAWA Noriko	Human pathology, Progressive muscular dystrophy, Autopsy
	KONDO Kazuya	Molecular research for thoracic malignancies-lung cancer, thymoma, etc
	HOSOI Eiji	Genetic analysis of the ABO blood group, Mechanisms of expression of ABO blood group antigens, Ca <sup>2+</sup> signal transduction system in immune cells

## Graduate School of Oral Sciences 口腔科学教育部

URL(<http://pub2.db.tokushima-u.ac.jp/ERD/organization/148409/index-en.html>)

### Master's Course 博士前期課程

#### Oral Health Science (口腔保健学専攻)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Hygiene and Oral Health Science	HINODE Daisuke	Halitosis, Professional oral health care, Oral health promotion
Oral Health Care Education	IGA Hiroki	Oral care education, Development of educational system for dental hygienists
Oral Health Care Promotion	OZAKI Kazumi	Periodontal Medicine, Antibacterial material, OSCE method, ICT support services on oral care
Oral Health Care and Rehabilitation	MATSUYAMA Miwa	Gerodontology, Dysphagia Rehabilitation, Disability Oral Health, Oral Health Care and Oral Rehabilitation
Oral Health Science and Social Welfare	SHIRAYAMA Yasuhiko	Oral Health Care, Public Oral Health
Community Medical and Welfare	SHIRAYAMA Yasuhiko	Higher brain dysfunction, Burnout, Care burden

### Doctor's Course 博士後期課程

#### Oral Health Science (口腔保健学専攻)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Hygiene and Oral Health Science	HINODE Daisuke	Halitosis, Professional oral health care, Oral health promotion
Oral Health Care Education	IGA Hiroki	Oral care education, Development of educational system for dental hygienists
Oral Health Care Promotion	OZAKI Kazumi	Periodontal Medicine, Antibacterial material, OSCE method, ICT support services on oral care
Oral Health Care and Rehabilitation	MATSUYAMA Miwa	Gerodontology, Dysphagia Rehabilitation, Disability Oral Health, Oral Health Care and Oral Rehabilitation
Oral Health Science and Social Welfare	SHIRAYAMA Yasuhiko	Oral Health Care, Public Oral Health
Community Medical and Welfare	SHIRAYAMA Yasuhiko	Higher brain dysfunction, Burnout, Care burden

### Doctoral Course 博士課程

#### Oral Sciences (口腔科学専攻)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Oral and Maxillofacial Anatomy	BABA Otto	Gross anatomy of the head and neck, Development of teeth and periodontium, Preventive medicine by far infrared ray and antioxidant
Tissue-regeneration	YAMAMOTO Akihito	Protein phosphatases and cell differentiation, Apoptosis in osteoblastic cells
Molecular Oral Physiology	YOSHIMURA Hiroshi	Integration of oral sensory information, Aquaporins and exocrine function, Salivary gland and defense system of oral cavity
Molecular Biology	NOMA Takafumi	Energy metabolism, Cell differentiation & Development, Tissue regeneration, Applied stem cell technology
Oral Molecular Pathology	ISHIMARU Naozumi	Pathogenesis of autoimmunity and carcinogenesis
Oral Microbiology	FUJII Hideki (from July 1, 2017)	Oral bacteria, Pathogenesis, Antibiotic tolerance, Bacterial adherence

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Medical Pharmacology	YOSHIMOTO Katsuhiko	Endocrine tumors, Pancreatic islet $\beta$ cells, Obesity, Saliva
Biomaterials and Bioengineering	HAMADA Kenichi	R & D of biomedical/dental alloys, ceramics and composite materials.
Preventive Dentistry	ITO Hiro-O	Saliva and mucosal immunity, Oxidative stress and oral health, Public dental health promotion
Conservative Dentistry	MATSUO Takashi	Cariology, Pulp pathology, Pathogenesis of apical and marginal periodontitis
Periodontology and Endodontology	to be appointed	Bone metabolism, Gingival overgrowth, Diagnostic indicators in periodontal disease, Diabetes and periodontitis
Oral and Maxillofacial Prosthodontics	ICHIKAWA Tetsuo	Removable Prosthodontics, Gerodontology, Oral Implantology, CAD/CAM technology, Food oral processing
Stomatognathic Function and Occlusal Reconstruction	MATSUKA Yoshizo	Fixed Prosthodontics, Jaw movement, Occlusion, Temporomandibular disorders, Neurobiology
Oral Medicine	AZUMA Masayuki	Cell biology, Bone metabolism, Functional regeneration of salivary glands, Prevention of cancer development
Oral Surgery	MIYAMOTO Youji	Oncology, Molecular target treatment for oral cancer, Oral surgery, Regenerative medicine, Biomaterials, Dental implant
Orthodontics and Dentofacial Orthopedics	TANAKA Eiji	Craniofacial growth and development, Biological response to mechanical stress, Bone cell biology
Pediatric Dentistry	IWAMOTO Tsutomu	Tooth and craniofacial development, Dental pulp stem cell research
Oral and Maxillofacial Radiology	HONDA Eiichi	Digital radiography, Image analysis, Interpretation of oral lesions by CT or MRI
Dental Anesthesiology	KITAHATA Hiroshi	Myocardial protection, Role of sirtuin in anesthetic preconditioning, Angiogenesis and anesthetics
Comprehensive Dentistry	KAWANO Fumiaki	Biomechanics, Biomaterials, Occlusal schemes of prosthesis, Sleep Bruxism

## Graduate School of Pharmaceutical Sciences 薬科学教育部

URL(<http://pub2.db.tokushima-u.ac.jp/ERD/organization/148357/index-en.html>)

### Master Course 博士前期課程

#### Pharmaceutical Chemistry (創薬科学専攻)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Analytical Science	TANAKA Hideji	Flow-based analysis (Flow injection analysis, Feedback-based flow ratiometry, Amplitude-modulated flow analysis), Analysis of aquatic environment
Molecular Physical Pharmaceutics	OKUHIRA Keiichiro (Associate Professor)	Biophysical chemistry, Structure and function of apolipoproteins, lipoproteins, lipid transporters
Molecular Medicinal Chemistry	SANO Shigeki	Organic chemistry, Medicinal chemistry, Functionalized heterocycles, Bioactive Compounds
Molecular Design and Synthesis	OTAKA Akira	Peptide & Protein Chemistry, Peptide-based chemical biology, Bioorganic medicinal chemistry
Pharmaceutical Organic Chemistry	YAMADA Ken-ichi	Organic synthesis, Methodology development, Asymmetric synthesis
Pharmacognosy	KASHIWADA Yoshiki	Natural products chemistry, Bioactive natural products from plants and marine organisms, Pharmacognosy, Ethnobotany
Synthetic Organic Chemistry	NAMBA Kosuke	Total synthesis, Practical synthesis, Molecular probes

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Bioorganic Chemistry	MINAKAWA Noriaki	Nucleic acid chemistry, Nucleoside, Nucleotide, Oligonucleotide, Medicinal chemistry
Medicinal Biotechnology	ITOU Kouji	Medicinal biotechnology, Molecular and cell biology, Human molecular genetics, Genetical metabolic diseases, Gene and cell therapy, Medicinal resources from natural products
Clinical Pharmacology	TAKIGUCHI Yoshiharu	Pharmacotherapeutic design, Drug. evaluation method, Drug interaction, Drug monitoring, Ischemia-reperfusion injury, Oxidative stress
Pharmaceutical Information Science	YAMAUCHI Aiko	Drug informatics, Computational clinical toxicology, Structure-based risk assessment, Pharmacoepidemiologic study.
Pharmacokinetics and Biopharmaceutics	ISHIDA Tatsuhiro	Drug delivery with liposome, Tumor targeting, Pharmacokinetic, Innate immunity to nanocarriers Drug delivery with albumin, Antioxidants, Nitric Oxide, Reactive sulfur
Neurobiology and Therapeutics	KASAHARA Jiro (Associate Professor)	Pathophysiological analysis of Parkinson's Disease, ischemia/reperfusion-induced neurodegeneration, depression, and development of novel therapeutics for them.
Molecular & Cellular Pharmacology	FUJINO Hiromichi	Understanding of the molecular & cellular pharmacology of G protein coupled receptors (GPCRs) is one of the goals for our research. To understand roles of prostanoid receptor signaling in cancer malignancy, especially in the early stages of development as well as the alternative functions of endogenous prostanoids as biased ligands are the main researches. Histamine H1 receptors, their signaling and gene expression in allergy are also studying.
Medical Pharmacology	TSUCHIYA Koichiro	Electron paramagnetic resonance, Free radicals, Nitric oxide, Oxidative stress, I-R Stress, Nitrite metabolism
Molecular Cell Biology Medicine	YAMAZAKI Tetsuo	Cell Biology, Immunology, Signaling properties of the endoplasmic reticulum and mitochondria
Pharmaceutical Health Chemistry	KOGURE Kentaro	Antioxidants, Biomembranes, Cytoplasmic delivery by electric treatment, Mass spectrometry of lipids, Bioactive phospholipid
Clinical Pharmacy Practice Pedagogy	KUME Tetsuya	Evaluation of risk factors for adverse drug reactions, Clinical pharmacy education, Cancer immunotherapy
Physical Pharmacy	UENO Satoru (Associate Professor)	Membrane interaction of polypeptides and macromolecules
Natural Products Chemistry	OOI Takashi (Associate Professor)	Isolation and structure elucidation of bioactive natural products especially from marine organisms
Medicinal Biochemistry	SHINOHARA Yasuo	Studies on the regulation of energy metabolism and mitochondrial functions

## Doctoral Course 博士後期課程

### Pharmaceutical Chemistry (創薬科学専攻)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Synthetic Organic Chemistry	NAMBA Kosuke	Total synthesis, Practical synthesis, Molecular probes
Molecular Physical Pharmaceutics	OKUHIRA Keiichiro (Associate Professor)	Biophysical chemistry, Structure and function of apolipoproteins, lipoproteins, lipid transporters
Analytical Science	TANAKA Hideji	Flow-based analysis (Flow injection analysis, Feedback-based flow ratiometry, Amplitude-modulated flow analysis), Analysis of aquatic environment
Bioorganic Chemistry	MINAKAWA Noriaki	Nucleic acid chemistry, Nucleoside, Nucleotide, Oligonucleotide, Medicinal chemistry



Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Pharmaceutical Organic Chemistry	YAMADA Ken-ichi	Organic synthesis, Methodology development, Asymmetric Synthesis
Pharmacognosy	KASHIWADA Yoshiki	Natural products chemistry, Bioactive natural products from plants and marine organisms, Pharmacognosy, Ethnobotany
Medicinal Biotechnology	ITOU Kouji	Medicinal biotechnology, Molecular and cell biology, Human molecular genetics, Genetical metabolic diseases, Gene and cell therapy, Medicinal resources from natural products
Molecular Medicinal Chemistry	SANO Shigeki	Organic chemistry, Medicinal chemistry, Functionalized heterocycles, Bioactive Compounds
Molecular & Cellular Pharmacology	FUJINO Hiromichi	Understanding of the molecular & cellular pharmacology of G protein coupled receptors (GPCRs) is one of the goals for our research. To understand roles of prostanoid receptor signaling in cancer malignancy, especially in the early stages of development as well as the alternative functions of endogenous prostanoids as biased ligands are the main researches. Histamine H1 receptors, their signaling and gene expression in allergy are also studying.
Molecular Design and Synthesis	OTAKA Akira	Peptide & Protein Chemistry, Peptide-based chemical biology, Bioorganic medicinal chemistry
Pharmaceutical Health Chemistry	KOGURE Kentaro	Antioxidants, Biomembranes, Cytoplasmic delivery by electric treatment, Mass spectrometry of lipids, Bioactive phospholipid
Physical Pharmacy	UENO Satoru (Associate Professor)	Membrane interaction of polypeptides and macromolecules
Natural Products Chemistry	OOI Takashi	Isolation and structure elucidation of bioactive natural products especially from marine organisms
Medicinal Biochemistry	SHINOHARA Yasuo	Studies on mitochondrial functions and regulation of energy metabolism

## Doctoral Course 博士課程

### Pharmaceutical Life Sciences (薬学専攻)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Clinical Pharmacology	TAKIGUCHI Yoshiharu	Pharmacotherapeutic design, Drug. evaluation method, Drug interaction, Drug monitoring, Ischemia-reperfusion injury, Oxidative stress
Pharmaceutical Information Science	YAMAUCHI Aiko	Drug informatics, Computational clinical toxicology, Structure-based risk assessment, Pharmacoepidemiologic study.
Pharmacokinetics and Biopharmaceutics	ISHIDA Tatsuhiko	Drug delivery with liposome, Tumor targeting, Pharmacokinetic, Innate immunity to nanocarriers Drug delivery with albumin, Antioxidants, Nitric oxide, Reactive sulfur
Neurobiology and Therapeutics	KASAHARA Jiro (Associate Professor)	Pathophysiological analysis of Parkinson's Disease, ischemia/reperfusion-induced neurodegeneration, depression, and development of novel therapeutics for them.
Medical Pharmacology	TSUCHIYA Koichiro	Electron paramagnetic resonance, Free radicals, Nitric oxide, Oxidative stress, I-R Stress, Nitrite metabolism
Molecular Cell Biology Medicine	YAMAZAKI Tetsuo	Cell Biology, Immunology, Signaling properties of the endoplasmic reticulum and mitochondria
Clinical Pharmacy Practice Pedagogy	KUME Tetsuya	Evaluation of risk factors for adverse drug reactions, Clinical pharmacy education, Cancer immunotherapy

## Graduate School of Advanced Technology and Science 先端技術科学教育部

URL(<http://pub2.db.tokushima-u.ac.jp/ERD/organization/124873/index-en.html>)

### Master Course 博士前期課程

#### Civil and Environmental Engineering (建設創造システム工学コース)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Structural Engineering	HASHIMOTO Chikanori	High performance of concrete machine with help of the visualization technique of fresh concrete
	NAGAO Fumiaki	Wind resistant design, Wind disaster, Wind environment
	NARIYUKI Yoshifumi	Earthquake disaster prevention of city and region, seismic design and life extension of road bridge
Environmental Conservation Engineering	NAKANO Susumu	Natural disaster risk management, Business continuity management
	KAMADA Mahito	Conservation and restoration of regional ecosystems
	MUTO Yasunori	Fluvial Process on Environment Restoration and Disaster Mitigation
	KOZUKI Yasunori	Study on Coexistence of People and Nature (Nature Conservation and Disaster Mitigation)
Geotechnical and Geoenvironmental Engineering	BABA Toshitaka	Seismogenic process of the subduction zone earthquakes and Tsunami prediction
Planning and Design Systems Engineering for Infrastructures	YAMANAKA Hideo	Transport planning and road design for safety, elderly, disabled, and environment
	TAKEUCHI Toshiki	High Precision Numerical Computation
	UEDA Takao	Durability evaluation and rehabilitation techniques of concrete structures
	OGAWA Hiroki	Architectural planning and design for dwellings and public facilities
	OHYAMA Yousuke	Classical analysis on nonlinear integrable systems

#### Mechanical Engineering (機械創造システム工学コース)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Mechanical Science	TAKAGI Hitoshi	Development of environment-friendly ecomaterials
	OKADA Tatsuya	Plasticity and recrystallization of metal single- and bi-crystal
	NISHINO Hideo	Ultrasonic material measurement and evaluation
Mechanical Systems	HASEZAKI kazuhiko	Fundamental research of Space Solar Power System (SSPS)
	DEGUCHI Yoshihiro	Development of energy and environmental devices using laser diagnostics
	KIDOGUCHI Yoshiyuki	Combustion Improvement and Reduction of Exhaust Emissions
	OHTA Mitsuhiro	Gas-liquid/liquid-liquid two-phase flows and non-Newtonian fluid dynamics
	MATSUMOTO Takeshi	Biomedical engineering approach to study bone/microcirculation-related diseases
	ICHIMIYA Masashi	Laminar-turbulent transition in fluid flow
Intelligent Machines	IWATA Tetsuo	Instrumentation for scientific measurements
	HINO Junichi	Dynamic design and vibration control of machinery
	TAKAIWA Masahiro	Development of Human Support Robot System

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Production Systems Engineering	YASUI Takeshi	Intelligent terahertz instrumentation and biomedical optics
	ISHIDA Tohru	Development of EDM system for fabricating complicatedly shaped holes
	NAKAMURA Koichi	NMR and ultrasonic studies on materials for energy devices
	YONEKURA Daisuke	Surface engineering for functional materials

### Chemical Science and Technology (化学機能創生コース)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Synthetic and Polymer Chemistry	KAWAMURA Yasuhiko	Organic photochemical reactions, electron-transfer reactions, and chemical modification of carbon allotropes such as fullerenes
	UTE Kohichi	Synthesis and characterization of polymers with controlled structure
	IMADA Yasushi	Development of environmentally friendly Synthetic method
	MINAGAWA Keiji	Synthesis and property of stimuli-responsive and other functional materials
Physicochemistry and Material Science	TAKAYANAGI Toshio	Development of analytical and separation methods on the basis of chemical affinity
	YASUZAWA Mikito	Research and development of biosensors and biomaterials
	MIYOSHI Hirokazu	Functionalization of nanoparticles by radioisotopes
	OKAMURA Hidekazu	Infrared and optical studies of solid material
Chemical Process Engineering	SUGIYAMA Shigeru	Development of advanced materials for catalysts and environmental cleanup
	MORIGA Toshihiro	Materials chemistry on oxynitride/oxide semiconductors and phosphors
	SOTOWA Ken-Ichiro	Application of microreactor technology

### Biological Science and Technology (生命テクノサイエンスコース)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Biological Functions	MATSUKI Hitoshi	Biophysicochemical study on aggregate systems of amphiphilic molecules
	UTO Yoshihiro	Study on medicinal chemistry of anticancer drugs based on developing egg
	NAGAMUNE Hideaki	Study on function of microbial toxins and their application in medicine and cell technology
Biological Reactions	TSUJI Akihiko	Study on post-translational regulation of enzyme activity
	SAKURADANI Eiji	Study on screening of unique reactions for lipid conversion and microbial production of useful lipids
	NAKAMURA Yoshitoshi	Study on effective utilization of biomass and environmental bioremediation technology

### Electrical and Electronic Engineering (電気電子創生工学コース)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Material and Device Science	NAGASE Masao	Study on graphene
	NAOI Yoshiki	New advanced materials, nano structure and photonic devices

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Electric Energy Engineering	SHIMOMURA Naoyuki	Applications of pulsed power and discharge plasma, visible environment design
	YASUNO Takashi	Intelligent systems (robotic systems, human friendly motion control systems, renewable energy systems)
	HOJO Masahide	Analysis and control of modern and advanced power system
	KAWADA Masatake	Diagnostic techniques for power equipment, measurement of electromagnetic waves, computational electromagnetics, signal processing
Electrical and Electronic Systems	TAKADA Atsushi	Optical fiber transmission, optical signal processing
	KUBO Tomohiro	Control of time-delay and distributed-parameter systems
	OIE Takahiro	UWB communication and Internet telecommunication
	TAKAHASHI Hiroki	Number theory and applications of algebraic systems
Intelligent Networks and Computer Science	HASHIZUME Masaki	Design and test of electronic circuits
	SHIMAMOTO Takashi	Research on CAD algorithms for VLSI layout design
	NISHIO Yoshifumi	Nonlinear circuit technology, chaos engineering, cognitive engineering

#### Information Science and Intelligent Systems (知能情報システム工学コース)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Information Science	REN Fuji	Research on language understanding and knowledge-intelligence engineering
	KITA Kenji	Research on multimedia information retrieval
	ONO Norihiko	Emergent Design of Intelligent Systems
	UETA Tetsushi	Bifurcation problems and visualization of nonlinear dynamical system
	MATSUURA Kenji	Research on Multimedia Applications and ICT Infrastructure
	KITAOKA Norihide	Research on speech information processing and human-machine interaction
Intelligent Systems	FUKUMI Minoru	Softcomputing and Signal Processing
	TERADA Kenji	Research on image processing and computer vision
	KINOSHITA Kazuhiko	Research on information network
	FUKETA Masao	Natural language processing and information retrieval
	SHISHIBORI Masami	Research on multimedia information retrieval techniques

#### Optical Systems Engineering (光システム工学コース)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Optical Materials and Devices	HARAGUCHI Masanobu	Photon localization in nano-scale plasmonic structure and its application
	KISHIMOTO Yutaka	Research on the electronic states of strong coupling superconductors
	FURUBE Akihiro	Advanced laser spectroscopy for optical nanomaterials
Optical Information Systems	SUYAMA Shiro	Information display system & 3D display system
	GOTO Nobuo	Study on optical communications and optical information networks
	KAWATA Yoshiki	Medical image processing, Intelligent computer-aided diagnosis (CAD) system

## Nano-Materials Technology (フロンティア研究センター寄付講座)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Nano-Materials Technology Nichia Contribution Laboratory	KITADA Takahiro	Fabrication of semiconductor quantum nanostructures and its device application

## Doctoral Course 博士後期課程

### Civil and Environmental Engineering (建設創造システム工学コース)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Structural Engineering	HASHIMOTO Chikanori	High performance of concrete machine with help of the visualization technique of fresh concrete
	NAGAO Fumiaki	Wind resistant design, Wind disaster, Wind environment
	NARIYUKI Yoshifumi	Earthquake disaster prevention of city and region, seismic design and life extension of road bridge
Environmental Conservation Engineering	NAKANO Susumu	Natural disaster risk management, Business continuity management
	KAMADA Mahito	Conservation and restoration of regional ecosystems
	MUTO Yasunori	Fluvial Process on Environment Restoration and Disaster Mitigation
	KOZUKI Yasunori	Study on Coexistence of People and Nature ( Nature Conservation and Disaster Mitigation)
Geotechnical and Geoenvironmental Engineering	BABA Toshitaka	Seismogenic process of the subduction zone earthquakes and Tsunami prediction
Planning and Design Systems Engineering for Infrastructures	YAMANAKA Hideo	Transport planning and road design for safety, elderly, disabled, and environment
	TAKEUCHI Toshiki	High Precision Numerical Computation
	UEDA Takao	Durability evaluation and rehabilitation techniques of concrete structures
	OGAWA Hiroki	Architectural planning and design for dwellings and public facilities
	OHYAMA Yousuke	Classical analysis on nonlinear integrable systems

### Mechanical Engineering (機械創造システム工学コース)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Mechanical Science	TAKAGI Hitoshi	Development of environment-friendly ecomaterials
	OKADA Tatsuya	Plasticity and recrystallization of metal single-and bi-crystal
	NISHINO Hideo	Ultrasonic material measurement and evaluation
Mechanical Systems	HASEZAKI kazuhiko	Fundamental research of Space Solar Power System (SSPS)
	DEGUCHI Yoshihiro	Development of energy and environmental devices using laser diagnostics
	KIDOGUCHI Yoshiyuki	Combustion Improvement and Reduction of Exhaust Emissions
	OHTA Mitsuhiro	Gas-liquid / liquid-liquid two-phase flows and non-Newtonian fluid dynamics
	MATSUMOTO Takeshi	Biomedical engineering approach to study bone/ microcirculation-related diseases
	ICHIMIYA Masashi	Laminar-turbulent transition in fluid flow

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Intelligent Machines	HINO Junichi	Dynamic design and vibration control of machinery
	TAKAIWA Masahiro	Development of Human Support Robot System
Production Systems Engineering	YASUI Takeshi	Intelligent terahertz instrumentation and biomedical optics
	ISHIDA Tohru	Development of EDM system for fabricating complicatedly shaped holes
	NAKAMURA Koichi	NMR and ultrasonic studies on materials for energy devices
	YONEKURA Daisuke	Surface engineering for functional materials

### Chemical Science and Technology (化学機能創生コース)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Synthetic and Polymer Chemistry	KAWAMURA Yasuhiko	Organic photochemical reactions, electron-transfer reactions, and chemical modification of carbon allotropes such as fullerenes
	UTE Kohichi	Synthesis and characterization of polymers with controlled structure
	IMADA Yasushi	Development of environmentally friendly Synthetic method
	MINAGAWA Keiji	Synthesis and property of stimuli-responsive and other functional materials
Physicochemistry and Material Science	TAKAYANAGI Toshio	Development of analytical and separation methods on the basis of chemical affinity
	YASUZAWA Mikito	Research and development of biosensors and biomaterials
	MIYOSHI Hirokazu	Functionalization of nanoparticles by radioisotopes
	OKAMURA Hidekazu	Infrared and optical studies of solid material
Chemical Process Engineering	SUGIYAMA Shigeru	Development of advanced materials for catalysts and environmental cleanup
	MORIGA Toshihiro	Materials chemistry on oxynitride / oxide semiconductors and phosphors
	SOTOWA Ken-Ichiro	Application of microreactor technology

### Biological Science and Technology (生命テクノサイエンスコース)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Biological Functions	MATSUKI Hitoshi	Biophysicochemical study on aggregate systems of amphiphilic molecules
	UTO Yoshihiro	Study on medicinal chemistry of anticancer drugs based on developing egg
	NAGAMUNE Hideaki	Study on function of microbial toxins and their application in medicine and cell technology
Biological Reactions	TSUJI Akihiko	Study on post-translational regulation of enzyme activity
	SAKURADANI Eiji	Study on screening of unique reactions for lipid conversion and microbial production of useful lipids
	NAKAMURA Yoshitoshi	Study on effective utilization of biomass and environmental bioremediation technology
	OTOI Takeshige	Studies on the production of valuable animals

## Electrical and Electronic Engineering (電気電子創生工学コース)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Material and Device Science	NAGASE Masao	Study on graphene
	NAOI Yoshiki	New advanced materials, nano structure and photonic devices
Electric Energy Engineering	SHIMOMURA Naoyuki	Applications of pulsed power and discharge plasma, visible environment design
	YASUNO Takashi	Intelligent systems (robotic systems, human friendly motion control systems, renewable energy systems)
	HOJO Masahide	Analysis and control of modern and advanced power system
	KAWADA Masatake	Diagnostic techniques for power equipment, measurement of electromagnetic waves, computational electromagnetics, signal processing
Electrical and Electronic Systems	TAKADA Atsushi	Optical fiber transmission, optical signal processing
	KUBO Tomohiro	Control of time-delay and distributed-parameter systems
	TAKAHASHI Hiroki	Number theory and applications of algebraic systems
Intelligent Networks and Computer Science	HASHIZUME Masaki	Design and test of electronic circuits
	SHIMAMOTO Takashi	Research on CAD algorithms for VLSI layout design
	NISHIO Yoshifumi	Nonlinear circuit technology, chaos engineering, cognitive engineering

## Information Science and Intelligent Systems (知能情報システム工学コース)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Information Science	REN Fuji	Research on language understanding and knowledge-intelligence engineering
	KITA Kenji	Research on multimedia information retrieval
	UETA Tetsushi	Bifurcation problems and visualization of nonlinear dynamical system
	MATSUURA Kenji	Research on Multimedia Applications and ICT Infrastructure
	KITAOKA Norihide	Research on speech information processing and human-machine interaction
Intelligent Systems	FUKUMI Minoru	Softcomputing and Signal Processing
	TERADA Kenji	Research on image processing and computer vision
	KINOSHITA Kazuhiko	Research on information network
	FUKETA Masao	Natural language processing and information retrieval
	SHISHIBORI Masami	Research on multimedia information retrieval techniques

## Optical Systems Engineering (光システム工学コース)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Optical Materials and Devices	HARAGUCHI Masanobu	Photon localization in nano-scale plasmonic structure and its application
	KISHIMOTO Yutaka	Research on the electronic states of strong coupling superconductors
	HASHIMOTO Shuichi	Photochemistry in micro-nanosystems and laser nanofabrication
	FURUBE Akihiro	Advanced laser spectroscopy for optical nanomaterials

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Optical Information Systems	SUYAMA Shiro	Information display system & 3D display system
	NIKI Noboru	Medical images, Medical information system
	GOTO Nobuo	Study on optical communications and optical information networks

### Nano-Materials Technology (フロンティア研究センター寄付講座)

Field of Research 研究分野	Faculty 担当教員	Detailed Description of Research Field 研究内容
Nano-Materials Technology Nichia Contribution Laboratory	KITADA Takahiro	Fabrication of semiconductor quantum nanostructures and its device application

### International Center 国際センター

URL(<http://www.isc.tokushima-u.ac.jp/english/>)

Faculty 教員名	Main Research Field / Job Contents 担当分野
JIN Cheng-hai	Numerical Analysis, Advising for International Students
MISUMI Gehrtz Tomoko	Japanese Language and Culture Education
SAKATA Hiroshi	Intercultural Communication Studies, Support for Japanese Students' Study Abroad
HASHIMOTO Satoshi	Japanese Language and Culture Education
NAITO Takeshi	Retina and Vitreous, Ocular Infection, International Cooperation
TRAN Hoang Nam	Academic Globalization, Advising for International Students
FUKUOKA Yuko	Japanese Language Education, Study Abroad Promotion



## Useful URLs (学内ホームページアドレス)

**Tokushima University (徳島大学)**

<http://www.tokushima-u.ac.jp/english/>

**Faculty of Integrated Arts and Sciences (総合科学部)**

**Graduate School of Integrated Arts and Sciences (総合科学教育部)**

<http://www.web.ias.tokushima-u.ac.jp/english/>

**Faculty of Science and Technology (理工学部)**

**Graduate School of Advanced Technology and Science (先端技術科学教育部)**

<http://www.tokushima-u.ac.jp/st/>

**Faculty of Bioscience and Bioindustry (生物資源産業学部)**

<http://www.bb.tokushima-u.ac.jp/> (in Japanese)

**Institute of Biomedical Sciences (医歯薬学研究部)**

<http://www.tokushima-u.ac.jp/hbs/> (in Japanese)

**Faculty of Medicine (医学部)**

**Graduate School of Medical Sciences (医科学教育部)**

**Graduate School of Nutrition and Bioscience (栄養生命科学教育部)**

**Graduate School of Health Sciences (保健科学教育部)**

<http://www.tokushima-u.ac.jp/med/english/>

**Faculty of Dentistry (歯学部)**

**Graduate School of Oral Sciences (口腔科学教育部)**

<http://www.tokushima-u.ac.jp/dent/english/>

**Faculty of Pharmaceutical Sciences (薬学部)**

**Graduate School of Pharmaceutical Sciences (薬科学教育部)**

<http://www.tokushima-u.ac.jp/ph/english/>

**University Library (附属図書館)**

<http://www.lib.tokushima-u.ac.jp/>

**Institute of Advanced Medical Sciences (先端酵素学研究所)**

<http://www.iams.tokushima-u.ac.jp/>

Center for University Extension (大学開放実践センター)

<http://www.cue.tokushima-u.ac.jp/> (in Japanese)

Center for Administration of Information Technology (情報センター)

<http://www.tokushima-u.ac.jp/ait/> (in Japanese)

Advanced Radiation Research, Education, and Management Center (放射線総合センター)

<http://ric6.ri.tokushima-u.ac.jp/eRIRC.html>

International Center (国際センター)

<http://www.isc.tokushima-u.ac.jp/english/>

## Access Ways to Tokushima University (徳島大学への経路)

